

Project

December 12, 2017

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In [1]: import matplotlib.pyplot as plt
        %matplotlib inline
        plt.style.use('ggplot')
        from datascience import *
        import numpy as np
        from scipy.spatial.distance import cosine
        import gensim
        import nltk
        from string import punctuation
```

Using TensorFlow backend.

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In [2]: UN_final_draft = """PARIS AGREEMENT\
The Parties to this Agreement,\
Being Parties to the United Nations Framework Convention on Climate\
Change, hereinafter referred to as the Convention,\
Pursuant to the Durban Platform for Enhanced Action established by\
decision 17 of the Conference of the Parties to the Convention at its\
seventeenth session,\
In pursuit of the objective of the Convention, and being guided by its\
principles, including the principle of equity and common but differentiated\
responsibilities and respective capabilities, in the light of different national\
circumstances,\
Recognizing the need for an effective and progressive response to the\
urgent threat of climate change on the basis of the best available scientific\
knowledge,\
Also recognizing the specific needs and special circumstances of\
developing country Parties, especially those that are particularly vulnerable to the\
adverse effects of climate change, as provided for in the Convention,\
Taking full account of the specific needs and special situations of the least\
developed countries with regard to funding and transfer of technology,\
Recognizing that Parties may be affected not only by climate change, but\
also by the impacts of the measures taken in response to it,\
Emphasizing the intrinsic relationship that climate change actions,\
responses and impacts have with equitable access to sustainable development and\
eradication of poverty,\
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Recognizing the fundamental priority of safeguarding food security and ending hunger, and the particular vulnerabilities of food production systems to the adverse impacts of climate change, Taking into account the imperatives of a just transition to the creation of decent work and quality jobs in accordance with nationally defined development priorities,

Acknowledging that climate change is a common concern of humankind,

Parties should, when taking action to address climate change, respect, promote and consider their respective obligations on human rights, the right to health, the rights of indigenous peoples, local communities, migrants, children, persons with disabilities and people in vulnerable situations and the right to development, as well as gender equality, empowerment of women and intergenerational equity,

Recognizing the importance of the conservation and enhancement, as appropriate, of sinks and reservoirs of the greenhouse gases referred to in the Convention,

Noting the importance of ensuring the integrity of all ecosystems, including oceans, and the protection of biodiversity, recognized by some cultures as Mother Earth, and noting the importance for some of the concept of "climate justice", when taking action to address climate change,

Affirming the importance of education, training, public awareness, public participation, public access to information and cooperation at all levels on the matters addressed in this Agreement,

Recognizing the importance of the engagements of all levels of government and various actors, in accordance with respective national legislations of Parties, in addressing climate change,

Also recognizing that sustainable lifestyles and sustainable patterns of consumption and production, with developed country Parties taking the lead, play an important role in addressing climate change,

Have agreed as follows:

Article 1

For the purpose of this Agreement, the definitions contained in Article 1 of the Convention shall apply. In addition: (a) "Convention" means the United Nations Framework Convention on Climate Change, adopted in New York on 9 May 1992;

(b) "Conference of the Parties" means the Conference of the Parties to the Convention;

(c) "Party" means a Party to this Agreement.

Article 2

1. This Agreement, in enhancing the implementation of the Convention, including its objective, aims to strengthen the global response to the threat of climate change, in the context of sustainable development and efforts to eradicate poverty, including by:

(a) Holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change;

(b) Increasing the ability to adapt to the adverse impacts of climate change and foster climate resilience and low greenhouse gas emissions development, in a manner that does not threaten food production; and

(c) Making finance flows consistent with a pathway towards low

greenhouse gas emissions and climate-resilient development.\

2. This Agreement will be implemented to reflect equity and the principle of\ common but differentiated responsibilities and respective capabilities, in the light\ of different national circumstances.\

Article 3\

As nationally determined contributions to the global response to climate\ change, all Parties are to undertake and communicate ambitious efforts as defined\ in Articles 4, 7, 9, 10, 11 and 13 with the view to achieving the purpose of this\ Agreement as set out in Article 2. The efforts of all Parties will represent a\ progression over time, while recognizing the need to support developing country\ Parties for the effective implementation of this Agreement.\

Article 23\

1. In order to achieve the long-term temperature goal set out in Article 2,\ Parties aim to reach global peaking of greenhouse gas emissions as soon as\ possible, recognizing that peaking will take longer for developing country Parties,\ and to undertake rapid reductions thereafter in accordance with best available\ science, so as to achieve a balance between anthropogenic emissions by sources\ and removals by sinks of greenhouse gases in the second half of this century, on the\ basis of equity, and in the context of sustainable development and efforts to\ eradicate poverty.\

2. Each Party shall prepare, communicate and maintain successive nationally\ determined contributions that it intends to achieve. Parties shall pursue domestic\ mitigation measures, with the aim of achieving the objectives of such\ contributions.\

3. Each Party's successive nationally determined contribution will represent a\ progression beyond the Party's then current nationally determined contribution and\ reflect its highest possible ambition, reflecting its common but differentiated\ responsibilities and respective capabilities, in the light of different national\ circumstances.\

4. Developed country Parties should continue taking the lead by undertaking\ economy-wide absolute emission reduction targets. Developing country Parties\ should continue enhancing their mitigation efforts, and are encouraged to move\ over time towards economy-wide emission reduction or limitation targets in the\ light of different national circumstances.\

5. Support shall be provided to developing country Parties for the\ implementation of this Article, in accordance with Articles 9, 10 and 11,\ recognizing that enhanced support for developing country Parties will allow for\ higher ambition in their actions.\

6. The least developed countries and small island developing States may\ prepare and communicate strategies, plans and actions for low greenhouse gas\ emissions development reflecting their special circumstances.\

7. Mitigation co-benefits resulting from Parties' adaptation actions and/or\ economic diversification plans can contribute to mitigation outcomes under this\ Article. \

8. In communicating their nationally determined contributions, all Parties shall\ provide the information necessary for clarity, transparency and understanding in\ accordance with decision 1/CP.21 and any relevant decisions of the Conference of\ the Parties serving as the meeting of the Parties to this Agreement.\

9. Each Party shall communicate a nationally determined contribution every five years in accordance with decision 1/CP.21 and any relevant decisions of the Conference of the Parties serving as the meeting of the Parties to this Agreement and be informed by the outcomes of the global stocktake referred to in Article 14.

10. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall consider common time frames for nationally determined contributions at its first session.

11. A Party may at any time adjust its existing nationally determined contribution with a view to enhancing its level of ambition, in accordance with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

12. Nationally determined contributions communicated by Parties shall be recorded in a public registry maintained by the secretariat.

13. Parties shall account for their nationally determined contributions. In accounting for anthropogenic emissions and removals corresponding to their nationally determined contributions, Parties shall promote environmental integrity, transparency, accuracy, completeness, comparability and consistency, and ensure the avoidance of double counting, in accordance with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

14. In the context of their nationally determined contributions, when recognizing and implementing mitigation actions with respect to anthropogenic emissions and removals, Parties should take into account, as appropriate, existing methods and guidance under the Convention, in the light of the provisions of paragraph 13 of this Article.

15. Parties shall take into consideration in the implementation of this Agreement the concerns of Parties with economies most affected by the impacts of response measures, particularly developing country Parties.

16. Parties, including regional economic integration organizations and their member States, that have reached an agreement to act jointly under paragraph 2 of this Article shall notify the secretariat of the terms of that agreement, including the emission level allocated to each Party within the relevant time period, when they communicate their nationally determined contributions. The secretariat shall in turn inform the Parties and signatories to the Convention of the terms of that agreement.

17. Each party to such an agreement shall be responsible for its emission level as set out in the agreement referred to in paragraph 16 of this Article in accordance with paragraphs 13 and 14 of this Article and Articles 13 and 15.

18. If Parties acting jointly do so in the framework of, and together with, a regional economic integration organization which is itself a Party to this Agreement, each member State of that regional economic integration organization individually, and together with the regional economic integration organization, shall be responsible for its emission level as set out in the agreement communicated under paragraph 16 of this Article in accordance with paragraphs 13 and 14 of this Article and Articles 13 and 15.

19. All Parties should strive to formulate and communicate long-term low greenhouse gas emission development strategies, mindful of Article 2 taking into account their common but differentiated responsibilities and respective capabilities, in the light of different national circumstances.

Article 5

1. Parties should take action to conserve and enhance, as appropriate, sinks and reservoirs of greenhouse gases as referred to in Article 4, paragraph 1 (d), of the Convention, including forests.\

2. Parties are encouraged to take action to implement and support, including through results-based payments, the existing framework as set out in related guidance and decisions already agreed under the Convention for: policy approaches and positive incentives for activities relating to reducing emissions from deforestation and forest degradation, and the role of conservation, sustainable management of forests and enhancement of forest carbon stocks in developing countries; and alternative policy approaches, such as joint mitigation and adaptation approaches for the integral and sustainable management of forests, while reaffirming the importance of incentivizing, as appropriate, non-carbon benefits associated with such approaches. \

Article 23\

1. Parties recognize that some Parties choose to pursue voluntary cooperation in the implementation of their nationally determined contributions to allow for higher ambition in their mitigation and adaptation actions and to promote sustainable development and environmental integrity.\

2. Parties shall, where engaging on a voluntary basis in cooperative approaches that involve the use of internationally transferred mitigation outcomes towards nationally determined contributions, promote sustainable development and ensure environmental integrity and transparency, including in governance, and shall apply robust accounting to ensure, inter alia, the avoidance of double counting, consistent with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to this Agreement.\

3. The use of internationally transferred mitigation outcomes to achieve nationally determined contributions under this Agreement shall be voluntary and authorized by participating Parties.\

4. A mechanism to contribute to the mitigation of greenhouse gas emissions and support sustainable development is hereby established under the authority and guidance of the Conference of the Parties serving as the meeting of the Parties to this Agreement for use by Parties on a voluntary basis. It shall be supervised by a body designated by the Conference of the Parties serving as the meeting of the Parties to this Agreement, and shall aim:\

(a) To promote the mitigation of greenhouse gas emissions while fostering sustainable development;\

(b) To incentivize and facilitate participation in the mitigation of greenhouse gas emissions by public and private entities authorized by a Party;\

(c) To contribute to the reduction of emission levels in the host Party, which will benefit from mitigation activities resulting in emission reductions that can also be used by another Party to fulfil its nationally determined contribution; and\

(d) To deliver an overall mitigation in global emissions. \

5. Emission reductions resulting from the mechanism referred to in paragraph 4 of this Article shall not be used to demonstrate achievement of the host Party's nationally determined contribution if used by another Party to demonstrate achievement of its nationally determined contribution.\

6. The Conference of the Parties serving as the meeting of the Parties to this\

Agreement shall ensure that a share of the proceeds from activities under the mechanism referred to in paragraph 4 of this Article is used to cover administrative expenses as well as to assist developing country Parties that are particularly vulnerable to the adverse effects of climate change to meet the costs of adaptation.

7. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall adopt rules, modalities and procedures for the mechanism referred to in paragraph 4 of this Article at its first session.

8. Parties recognize the importance of integrated, holistic and balanced non-market approaches being available to Parties to assist in the implementation of their nationally determined contributions, in the context of sustainable development and poverty eradication, in a coordinated and effective manner, including through, inter alia, mitigation, adaptation, finance, technology transfer and capacitybuilding, as appropriate. These approaches shall aim to:

- (a) Promote mitigation and adaptation ambition;
- (b) Enhance public and private sector participation in the implementation of nationally determined contributions; and
- (c) Enable opportunities for coordination across instruments and relevant institutional arrangements.

9. A framework for non-market approaches to sustainable development is hereby defined to promote the non-market approaches referred to in paragraph 8 of this Article.

Article 23

1. Parties hereby establish the global goal on adaptation of enhancing adaptive capacity, strengthening resilience and reducing vulnerability to climate change, with a view to contributing to sustainable development and ensuring an adequate adaptation response in the context of the temperature goal referred to in Article 2.

2. Parties recognize that adaptation is a global challenge faced by all with local, subnational, national, regional and international dimensions, and that it is a key component of and makes a contribution to the long-term global response to climate change to protect people, livelihoods and ecosystems, taking into account the urgent and immediate needs of those developing country Parties that are particularly vulnerable to the adverse effects of climate change.

3. The adaptation efforts of developing country Parties shall be recognized, in accordance with the modalities to be adopted by the Conference of the Parties serving as the meeting of the Parties to this Agreement at its first session.

4. Parties recognize that the current need for adaptation is significant and that greater levels of mitigation can reduce the need for additional adaptation efforts, and that greater adaptation needs can involve greater adaptation costs.

5. Parties acknowledge that adaptation action should follow a country-driven, gender-responsive, participatory and fully transparent approach, taking into consideration vulnerable groups, communities and ecosystems, and should be based on and guided by the best available science and, as appropriate, traditional knowledge, knowledge of indigenous peoples and local knowledge systems, with a view to integrating adaptation into relevant socioeconomic and environmental policies and actions, where appropriate.

6. Parties recognize the importance of support for and international cooperation on adaptation efforts and the importance of taking into account the needs of developing country Parties, especially those that are particularly vulnerable to the

adverse effects of climate change.\

7. Parties should strengthen their cooperation on enhancing action on\ adaptation, taking into account the Cancun Adaptation Framework, including with\ regard to: \

(a) Sharing information, good practices, experiences and lessons learned,\ including, as appropriate, as these relate to science, planning, policies and\ implementation in relation to adaptation actions;\

(b) Strengthening institutional arrangements, including those under the\ Convention that serve this Agreement, to support the synthesis of relevant\ information and knowledge, and the provision of technical support and guidance to\ Parties;\

(c) Strengthening scientific knowledge on climate, including research,\ systematic observation of the climate system and early warning systems, in a\ manner that informs climate services and supports decision-making;\

(d) Assisting developing country Parties in identifying effective\ adaptation practices, adaptation needs, priorities, support provided and received for\ adaptation actions and efforts, and challenges and gaps, in a manner consistent with\ encouraging good practices; and\

(e) Improving the effectiveness and durability of adaptation actions.\

8. United Nations specialized organizations and agencies are encouraged to\ support the efforts of Parties to implement the actions referred to in paragraph 7 of\ this Article, taking into account the provisions of paragraph 5 of this Article.\

9. Each Party shall, as appropriate, engage in adaptation planning processes\ and the implementation of actions, including the development or enhancement of\ relevant plans, policies and/or contributions, which may include:\

(a) The implementation of adaptation actions, undertakings and/or efforts;\

(b) The process to formulate and implement national adaptation plans;\

(c) The assessment of climate change impacts and vulnerability, with a\ view to formulating nationally determined prioritized actions, taking into account\ vulnerable people, places and ecosystems;\

(d) Monitoring and evaluating and learning from adaptation plans,\ policies, programmes and actions; and \

(e) Building the resilience of socioeconomic and ecological systems,\ including through economic diversification and sustainable management of natural\ resources.\

10. Each Party should, as appropriate, submit and update periodically an\ adaptation communication, which may include its priorities, implementation and\ support needs, plans and actions, without creating any additional burden for\ developing country Parties.\

11. The adaptation communication referred to in paragraph 10 of this Article\ shall be, as appropriate, submitted and updated periodically, as a component of or\ in conjunction with other communications or documents, including a national\ adaptation plan, a nationally determined contribution as referred to in Article 4,\ paragraph 2, and/or a national communication.\

12. The adaptation communications referred to in paragraph 10 of this Article\ shall be recorded in a public registry maintained by the secretariat.\

13. Continuous and enhanced international support shall be provided to\ developing country Parties for the implementation of paragraphs 7, 9, 10 and 11 of\

this Article, in accordance with the provisions of Articles 9, 10 and 11.\

14. The global stocktake referred to in Article 14 shall, inter alia:\

- (a) Recognize adaptation efforts of developing country Parties;\
- (b) Enhance the implementation of adaptation action taking into account\ the adaptation communication referred to in paragraph 10 of this Article;\
- (c) Review the adequacy and effectiveness of adaptation and support\ provided for adaptation; and\
- (d) Review the overall progress made in achieving the global goal on\ adaptation referred to in paragraph 1 of this Article. \

Article 8\

1. Parties recognize the importance of averting, minimizing and addressing loss\ and damage associated with the adverse effects of climate change, including\ extreme weather events and slow onset events, and the role of sustainable\ development in reducing the risk of loss and damage.\
2. The Warsaw International Mechanism for Loss and Damage associated with\ Climate Change Impacts shall be subject to the authority and guidance of the\ Conference of the Parties serving as the meeting of the Parties to this Agreement\ and may be enhanced and strengthened, as determined by the Conference of the\ Parties serving as the meeting of the Parties to this Agreement.\
3. Parties should enhance understanding, action and support, including through\ the Warsaw International Mechanism, as appropriate, on a cooperative and\ facilitative basis with respect to loss and damage associated with the adverse\ effects of climate change.\
4. Accordingly, areas of cooperation and facilitation to enhance understanding,\ action and support may include:\
 - (a) Early warning systems;\
 - (b) Emergency preparedness;\
 - (c) Slow onset events;\
 - (d) Events that may involve irreversible and permanent loss and damage;\
 - (e) Comprehensive risk assessment and management;\
 - (f) Risk insurance facilities, climate risk pooling and other insurance\ solutions;\
 - (g) Non-economic losses; and\
 - (h) Resilience of communities, livelihoods and ecosystems. \
5. The Warsaw International Mechanism shall collaborate with existing bodies\ and expert groups under the Agreement, as well as relevant organizations and\ expert bodies outside the Agreement.\

Article 9\

1. Developed country Parties shall provide financial resources to assist\ developing country Parties with respect to both mitigation and adaptation in\ continuation of their existing obligations under the Convention.\
2. Other Parties are encouraged to provide or continue to provide such support\ voluntarily.\
3. As part of a global effort, developed country Parties should continue to take\ the lead in mobilizing climate finance from a wide variety of sources, instruments\ and channels, noting the significant role of public funds, through a variety of\ actions, including supporting country-driven strategies, and taking into account the\ needs and priorities of developing country Parties. Such mobilization of climate\

finance should represent a progression beyond previous efforts.\

4. The provision of scaled-up financial resources should aim to achieve a\ balance between adaptation and mitigation, taking into account country-driven\ strategies, and the priorities and needs of developing country Parties, especially\ those that are particularly vulnerable to the adverse effects of climate change and\ have significant capacity constraints, such as the least developed countries and\ small island developing States, considering the need for public and grant-based\ resources for adaptation.\

5. Developed country Parties shall biennially communicate indicative\ quantitative and qualitative information related to paragraphs 1 and 3 of this\ Article, as applicable, including, as available, projected levels of public financial\ resources to be provided to developing country Parties. Other Parties providing\ resources are encouraged to communicate biennially such information on a\ voluntary basis.\

6. The global stocktake referred to in Article 14 shall take into account the\ relevant information provided by developed country Parties and/or Agreement\ bodies on efforts related to climate finance\

7. Developed country Parties shall provide transparent and consistent\ information on support for developing country Parties provided and mobilized\ through public interventions biennially in accordance with the modalities,\ procedures and guidelines to be adopted by the Conference of the Parties serving as\ the meeting of the Parties to this Agreement, at its first session, as stipulated in\ Article 13, paragraph 13. Other Parties are encouraged to do so.\

8. The Financial Mechanism of the Convention, including its operating entities,\ shall serve as the financial mechanism of this Agreement.\

9. The institutions serving this Agreement, including the operating entities of\ the Financial Mechanism of the Convention, shall aim to ensure efficient access to\ financial resources through simplified approval procedures and enhanced readiness\ support for developing country Parties, in particular for the least developed\ countries and small island developing States, in the context of their national\ climate strategies and plans.\

Article 10\

1. Parties share a long-term vision on the importance of fully realizing\ technology development and transfer in order to improve resilience to climate\ change and to reduce greenhouse gas emissions.\

2. Parties, noting the importance of technology for the implementation of\ mitigation and adaptation actions under this Agreement and recognizing existing\ technology deployment and dissemination efforts, shall strengthen cooperative\ action on technology development and transfer.\

3. The Technology Mechanism established under the Convention shall serve\ this Agreement.\

4. A technology framework is hereby established to provide overarching\ guidance to the work of the Technology Mechanism in promoting and facilitating\ enhanced action on technology development and transfer in order to support the\ implementation of this Agreement, in pursuit of the long-term vision referred to in\ paragraph 1 of this Article\

5. Accelerating, encouraging and enabling innovation is critical for an\ effective, long-term global response to climate change and promoting economic\

growth and sustainable development. Such effort shall be, as appropriate, supported, including by the Technology Mechanism and, through financial means, by the Financial Mechanism of the Convention, for collaborative approaches to research and development, and facilitating access to technology, in particular for early stages of the technology cycle, to developing country Parties.

6. Support, including financial support, shall be provided to developing country Parties for the implementation of this Article, including for strengthening cooperative action on technology development and transfer at different stages of the technology cycle, with a view to achieving a balance between support for mitigation and adaptation. The global stocktake referred to in Article 14 shall take into account available information on efforts related to support on technology development and transfer for developing country Parties.

Article 11

1. Capacity-building under this Agreement should enhance the capacity and ability of developing country Parties, in particular countries with the least capacity such as the least developed countries, and those that are particularly vulnerable to the adverse effects of climate change, such as small island developing States, to take effective climate change action, including, inter alia, to implement adaptation and mitigation actions, and should facilitate technology development, dissemination and deployment, access to climate finance, relevant aspects of education, training and public awareness, and the transparent, timely and accurate communication of information.

2. Capacity-building should be country-driven, based on and responsive to national needs, and foster country ownership of Parties, in particular, for developing country Parties, including at the national, subnational and local levels. Capacity-building should be guided by lessons learned, including those from capacity-building activities under the Convention, and should be an effective, iterative process that is participatory, cross-cutting and gender-responsive.

3. All Parties should cooperate to enhance the capacity of developing country Parties to implement this Agreement. Developed country Parties should enhance support for capacity-building actions in developing country Parties.

4. All Parties enhancing the capacity of developing country Parties to implement this Agreement, including through regional, bilateral and multilateral approaches, shall regularly communicate on these actions or measures on capacitybuilding. Developing country Parties should regularly communicate progress made on implementing capacity-building plans, policies, actions or measures to implement this Agreement.

5. Capacity-building activities shall be enhanced through appropriate institutional arrangements to support the implementation of this Agreement, including the appropriate institutional arrangements established under the Convention that serve this Agreement. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall, at its first session, consider and adopt a decision on the initial institutional arrangements for capacity-building.

Article 12

Parties shall cooperate in taking measures, as appropriate, to enhance climate change education, training, public awareness, public participation and public access to information, recognizing the importance of these steps with respect to enhancing actions under this Agreement.

Article 13\

1. In order to build mutual trust and confidence and to promote effective\ implementation, an enhanced transparency framework for action and support, with\ built-in flexibility which takes into account Parties' different capacities and builds\ upon collective experience is hereby established.\
2. The transparency framework shall provide flexibility in the implementation\ of the provisions of this Article to those developing country Parties that need it in\ the light of their capacities. The modalities, procedures and guidelines referred to\ in paragraph 13 of this Article shall reflect such flexibility.\
3. The transparency framework shall build on and enhance the transparency\ arrangements under the Convention, recognizing the special circumstances of the\ least developed countries and small island developing States, and be implemented\ in a facilitative, non-intrusive, non-punitive manner, respectful of national\ sovereignty, and avoid placing undue burden on Parties. \
4. The transparency arrangements under the Convention, including national\ communications, biennial reports and biennial update reports, international\ assessment and review and international consultation and analysis, shall form part\ of the experience drawn upon for the development of the modalities, procedures\ and guidelines under paragraph 13 of this Article.\
5. The purpose of the framework for transparency of action is to provide a clear\ understanding of climate change action in the light of the objective of the\ Convention as set out in its Article 2, including clarity and tracking of progress\ towards achieving Parties' individual nationally determined contributions under\ Article 4, and Parties' adaptation actions under Article 7, including good practices,\ priorities, needs and gaps, to inform the global stocktake under Article 14.\
6. The purpose of the framework for transparency of support is to provide\ clarity on support provided and received by relevant individual Parties in the\ context of climate change actions under Articles 4, 7, 9, 10 and 11, and, to the\ extent possible, to provide a full overview of aggregate financial support provided,\ to inform the global stocktake under Article 14.\
7. Each Party shall regularly provide the following information:\
 - (a) A national inventory report of anthropogenic emissions by sources and\ removals by sinks of greenhouse gases, prepared using good practice\ methodologies accepted by the Intergovernmental Panel on Climate Change and\ agreed upon by the Conference of the Parties serving as the meeting of the Parties\ to this Agreement; and\
 - (b) Information necessary to track progress made in implementing and\ achieving its nationally determined contribution under Article 4.\
8. Each Party should also provide information related to climate change\ impacts and adaptation under Article 7, as appropriate.\
9. Developed country Parties shall, and other Parties that provide support\ should, provide information on financial, technology transfer and capacity-building\ support provided to developing country Parties under Articles 9, 10 and 11. \
10. Developing country Parties should provide information on financial,\ technology transfer and capacity-building support needed and received under\ Articles 9, 10 and 11.\
11. Information submitted by each Party under paragraphs 7 and 9 of this Article\ shall undergo a technical expert review, in accordance with decision 1/CP.21. For\

those developing country Parties that need it in the light of their capacities, the review process shall include assistance in identifying capacity-building needs. In addition, each Party shall participate in a facilitative, multilateral consideration of progress with respect to efforts under Article 9, and its respective implementation and achievement of its nationally determined contribution.

12. The technical expert review under this paragraph shall consist of a consideration of the Party's support provided, as relevant, and its implementation and achievement of its nationally determined contribution. The review shall also identify areas of improvement for the Party, and include a review of the consistency of the information with the modalities, procedures and guidelines referred to in paragraph 13 of this Article, taking into account the flexibility accorded to the Party under paragraph 2 of this Article. The review shall pay particular attention to the respective national capabilities and circumstances of developing country Parties.

13. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall, at its first session, building on experience from the arrangements related to transparency under the Convention, and elaborating on the provisions in this Article, adopt common modalities, procedures and guidelines, as appropriate, for the transparency of action and support.

14. Support shall be provided to developing countries for the implementation of this Article.

15. Support shall also be provided for the building of transparency-related capacity of developing country Parties on a continuous basis.

Article 14

1. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall periodically take stock of the implementation of this Agreement to assess the collective progress towards achieving the purpose of this Agreement and its long-term goals (referred to as the "global stocktake"). It shall do so in a comprehensive and facilitative manner, considering mitigation, adaptation and the means of implementation and support, and in the light of equity and the best available science.

2. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall undertake its first global stocktake in 2023 and every five years thereafter unless otherwise decided by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

3. The outcome of the global stocktake shall inform Parties in updating and enhancing, in a nationally determined manner, their actions and support in accordance with the relevant provisions of this Agreement, as well as in enhancing international cooperation for climate action.

Article 15

1. A mechanism to facilitate implementation of and promote compliance with the provisions of this Agreement is hereby established.

2. The mechanism referred to in paragraph 1 of this Article shall consist of a committee that shall be expert-based and facilitative in nature and function in a manner that is transparent, non-adversarial and non-punitive. The committee shall pay particular attention to the respective national capabilities and circumstances of Parties.

3. The committee shall operate under the modalities and procedures adopted by

the Conference of the Parties serving as the meeting of the Parties to this Agreement at its first session and report annually to the Conference of the Parties serving as the meeting of the Parties to this Agreement.

Article 16

1. The Conference of the Parties, the supreme body of the Convention, shall serve as the meeting of the Parties to this Agreement.

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in the proceedings of any session of the Conference of the Parties serving as the meeting of the Parties to this Agreement. When the Conference of the Parties serves as the meeting of the Parties to this Agreement, decisions under this Agreement shall be taken only by those that are Parties to this Agreement.

3. When the Conference of the Parties serves as the meeting of the Parties to this Agreement, any member of the Bureau of the Conference of the Parties representing a Party to the Convention but, at that time, not a Party to this Agreement, shall be replaced by an additional member to be elected by and from amongst the Parties to this Agreement.

4. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall keep under regular review the implementation of this Agreement and shall make, within its mandate, the decisions necessary to promote its effective implementation. It shall perform the functions assigned to it by this Agreement and shall:

(a) Establish such subsidiary bodies as deemed necessary for the implementation of this Agreement; and

(b) Exercise such other functions as may be required for the implementation of this Agreement.

5. The rules of procedure of the Conference of the Parties and the financial procedures applied under the Convention shall be applied mutatis mutandis under this Agreement, except as may be otherwise decided by consensus by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

6. The first session of the Conference of the Parties serving as the meeting of the Parties to this Agreement shall be convened by the secretariat in conjunction with the first session of the Conference of the Parties that is scheduled after the date of entry into force of this Agreement. Subsequent ordinary sessions of the Conference of the Parties serving as the meeting of the Parties to this Agreement shall be held in conjunction with ordinary sessions of the Conference of the Parties, unless otherwise decided by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

7. Extraordinary sessions of the Conference of the Parties serving as the meeting of the Parties to this Agreement shall be held at such other times as may be deemed necessary by the Conference of the Parties serving as the meeting of the Parties to this Agreement or at the written request of any Party, provided that, within six months of the request being communicated to the Parties by the secretariat, it is supported by at least one third of the Parties.

8. The United Nations and its specialized agencies and the International Atomic Energy Agency, as well as any State member thereof or observers thereto not party to the Convention, may be represented at sessions of the Conference of the Parties serving as the meeting of the Parties to this Agreement as observers. Any body or

agency, whether national or international, governmental or non-governmental, which is qualified in matters covered by this Agreement and which has informed the secretariat of its wish to be represented at a session of the Conference of the Parties serving as the meeting of the Parties to this Agreement as an observer, may be so admitted unless at least one third of the Parties present object. The admission and participation of observers shall be subject to the rules of procedure referred to in paragraph 5 of this Article.

Article 17

1. The secretariat established by Article 8 of the Convention shall serve as the secretariat of this Agreement.

2. Article 8, paragraph 2, of the Convention on the functions of the secretariat, and Article 8, paragraph 3, of the Convention, on the arrangements made for the functioning of the secretariat, shall apply mutatis mutandis to this Agreement. The secretariat shall, in addition, exercise the functions assigned to it under this Agreement and by the Conference of the Parties serving as the meeting of the Parties to this Agreement.

Article 18

1. The Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation established by Articles 9 and 10 of the Convention shall serve, respectively, as the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement. The provisions of the Convention relating to the functioning of these two bodies shall apply mutatis mutandis to this Agreement. Sessions of the meetings of the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement shall be held in conjunction with the meetings of, respectively, the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of the Convention.

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in the proceedings of any session of the subsidiary bodies. When the subsidiary bodies serve as the subsidiary bodies of this Agreement, decisions under this Agreement shall be taken only by those that are Parties to this Agreement.

3. When the subsidiary bodies established by Articles 9 and 10 of the Convention exercise their functions with regard to matters concerning this Agreement, any member of the bureaux of those subsidiary bodies representing a Party to the Convention but, at that time, not a Party to this Agreement, shall be replaced by an additional member to be elected by and from amongst the Parties to this Agreement.

Article 19

1. Subsidiary bodies or other institutional arrangements established by or under the Convention, other than those referred to in this Agreement, shall serve this Agreement upon a decision of the Conference of the Parties serving as the meeting of the Parties to this Agreement. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall specify the functions to be exercised by such subsidiary bodies or arrangements.

2. The Conference of the Parties serving as the meeting of the Parties to this Agreement may provide further guidance to such subsidiary bodies and

institutional arrangements.\

Article 20\

1. This Agreement shall be open for signature and subject to ratification,\ acceptance or approval by States and regional economic integration organizations\ that are Parties to the Convention. It shall be open for signature at the United\ Nations Headquarters in New York from 22 April 2016 to 21 April 2017.\

Thereafter, this Agreement shall be open for accession from the day following the\ date on which it is closed for signature. Instruments of ratification, acceptance,\ approval or accession shall be deposited with the Depositary.\

2. Any regional economic integration organization that becomes a Party to this\ Agreement without any of its member States being a Party shall be bound by all the\ obligations under this Agreement. In the case of regional economic integration\ organizations with one or more member States that are Parties to this Agreement, \ the organization and its member States shall decide on their respective\ responsibilities for the performance of their obligations under this Agreement. In\ such cases, the organization and the member States shall not be entitled to exercise\ rights under this Agreement concurrently.\

3. In their instruments of ratification, acceptance, approval or accession,\ regional economic integration organizations shall declare the extent of their\ competence with respect to the matters governed by this Agreement. These\ organizations shall also inform the Depositary, who shall in turn inform the Parties,\ of any substantial modification in the extent of their competence.\

Article 21\

1. This Agreement shall enter into force on the thirtieth day after the date on\ which at least 55 Parties to the Convention accounting in total for at least an\ estimated 55 per cent of the total global greenhouse gas emissions have deposited\ their instruments of ratification, acceptance, approval or accession.\

2. Solely for the limited purpose of paragraph 1 of this Article, "total global\ greenhouse gas emissions" means the most up-to-date amount communicated on or\ before the date of adoption of this Agreement by the Parties to the Convention.\

3. For each State or regional economic integration organization that ratifies,\ accepts or approves this Agreement or accedes thereto after the conditions set out\ in paragraph 1 of this Article for entry into force have been fulfilled, this\ Agreement shall enter into force on the thirtieth day after the date of deposit by\ such State or regional economic integration organization of its instrument of\ ratification, acceptance, approval or accession.\

4. For the purposes of paragraph 1 of this Article, any instrument deposited by\ a regional economic integration organization shall not be counted as additional to\ those deposited by its member States.\

Article 22\

The provisions of Article 15 of the Convention on the adoption of\ amendments to the Convention shall apply mutatis mutandis to this Agreement.\

Article 23\

1. The provisions of Article 16 of the Convention on the adoption and\ amendment of annexes to the Convention shall apply mutatis mutandis to this\ Agreement.\

2. Annexes to this Agreement shall form an integral part thereof and, unless\ otherwise expressly provided for, a reference to this Agreement constitutes at the\

same time a reference to any annexes thereto. Such annexes shall be restricted to\ lists, forms and any other material of a descriptive nature that is of a scientific,\ technical, procedural or administrative character.\

Article 24\

The provisions of Article 14 of the Convention on settlement of disputes\ shall apply mutatis mutandis to this Agreement.\

Article 25\

1. Each Party shall have one vote, except as provided for in paragraph 2 of this\ Article.\

2. Regional economic integration organizations, in matters within their\ competence, shall exercise their right to vote with a number of votes equal to the\ number of their member States that are Parties to this Agreement. Such an\ organization shall not exercise its right to vote if any of its member States exercises its right, and vice versa.\

Article 26\

The Secretary-General of the United Nations shall be the Depositary of this\ Agreement.\

Article 27\

No reservations may be made to this Agreement. \

Article 23\

1. At any time after three years from the date on which this Agreement has\ entered into force for a Party, that Party may withdraw from this Agreement by\ giving written notification to the Depositary.\

2. Any such withdrawal shall take effect upon expiry of one year from the date\ of receipt by the Depositary of the notification of withdrawal, or on such later date\ as may be specified in the notification of withdrawal.\

3. Any Party that withdraws from the Convention shall be considered as also\ having withdrawn from this Agreement.\

Article 29\

The original of this Agreement, of which the Arabic, Chinese, English,\ French, Russian and Spanish texts are equally authentic, shall be deposited with the\ Secretary-General of the United Nations.\

DONE at Paris this twelfth day of December two thousand and fifteen.\

IN WITNESS WHEREOF, the""

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In [3]: UN_draft1 = """"DRAFT AGREEMENT\
[The Parties to this Agreement,\
Pp1 Being Parties to the United Nations Framework Convention on Climate Change, herein\
Convention,\
Pp2 Pursuant to the Durban Platform for Enhanced Action established by decision 1/CP.1\
Parties to the Convention at its seventeenth session,\
Pp3\
In pursuit of the objective of the Convention, and being guided by its principles, inc\
equity and common but differentiated responsibilities and respective capabilities, in t\
national circumstances,\
Pp4 Also recognizing the need for an effective and progressive response to the urgent t\
on the basis of the best available scientific knowledge,\
Pp5 Recognizing the specific needs and special circumstances and situations of develop
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all those that, as provided for in the Convention, are particularly vulnerable to the change,\

Pp6\

Taking account of the specific needs of developing country Parties, especially those that are particularly vulnerable to climate-related events, and are most capacity constrained,\

Pp7 Also taking account of the specific needs and special situations of the least developed countries, and the specific circumstances of small island developing States,\

Pp8 Emphasizing the intrinsic relationship that climate change actions, responses and adaptation measures have with access to sustainable development and eradication of poverty,\

Pp9 Recognizing the fundamental priority of safeguarding food security and ending hunger, and the vulnerabilities of food production systems to the adverse impacts of climate change,\

Pp10\

Taking into account the imperatives of a just transition of the workforce and the creation of decent and quality jobs in accordance with nationally defined development priorities,\

Pp11 Acknowledging that climate change is a common concern to humankind, Parties should, consistent with the obligations on human rights, promote, respect and take into account the rights and interests of all people,\

Pp12 Also acknowledging the importance for Parties, when taking action to address climate change, to respect and consider, in accordance with their respective obligations, the right to health, the rights of indigenous peoples, local communities, migrants, children, persons with disabilities and people in vulnerable situations, the right to development, as well as gender equality, empowerment of women and intergenerational equity,\

Pp13 Also recognizing the importance of the conservation and enhancement, as appropriate, of ecosystems, including forests, to address greenhouse gases referred to in the Convention,\

Pp14 Noting the importance of ensuring the integrity of all ecosystems, including oceans and mountains, and biodiversity, recognized by some cultures as Mother Earth, when taking action to address climate change,\

Pp15 Affirming the importance of education, training, public awareness, public participation, access to information and cooperation at all levels on the matters addressed in this Agreement, and the importance of engagements of all levels of government and various actors, in accordance with the national legislations of Parties, in addressing climate change,\

Pp16 Recognizing that sustainable lifestyles and sustainable patterns of consumption and production in all countries taking the lead, play an important role in addressing climate change,\

Have agreed as follows:\

Article 1\

For the purpose of this Agreement, the definitions contained in Article 1 of the Convention shall apply. COP 21 - Draft text agenda item 4 (b) - version 2\

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1. "Convention" means the United Nations Framework Convention on Climate Change, adopted at the Conference of the Parties on 21 May 1992;\

2. "Conference of the Parties" means the Conference of the Parties to the Convention;\

3. Party means a Party to this Agreement.\

Article 2\

1. The purpose of this Agreement is to further implement the objective of the Convention, to stabilize the concentration of greenhouse gases in the atmosphere through enhanced action, cooperation and support, in the context of sustainable development and eradicating poverty, so as to:\

(a) Hold the increase in the global average temperature to well below 2 °C above pre-industrial levels, and pursue efforts to limit the temperature increase to 1.5 °C, recognizing that this would significantly reduce the risks and impacts of climate change;\

(b) Increase the ability to adapt to the adverse impacts of climate change and foster climate resilience and low-carbon development;\

greenhouse gas emissions development, in a manner that does not threaten food production.
(d) Make finance flows consistent with a pathway towards such low greenhouse gas emissions development.\

2. This Agreement [will be implemented on the basis of] [reflects] equity and common but differentiated responsibilities and respective capabilities, in the light of different national circumstances and capabilities.\

Article 2bis\
Option 1:\

All Parties shall undertake efforts defined in Articles 3, 4, 6, 7, 8 and 9 progressively towards the purpose of this Agreement as set out in Article 2, while recognizing that enhanced support to developing country Parties will allow for higher ambition in their actions. Over time efforts of all Parties shall progress taking into account Parties different national circumstances and stages of development.\

Option 2:\

1. All Parties shall regularly prepare and communicate their nationally determined contributions in accordance with the purpose of this Agreement as set out in its Article 2, recognizing that the ambition of the contributions of all Parties in relation to their contributions will depend on the extent of support they receive.\

2. Subsequent nationally determined contributions should be informed by the results of the global stock take defined in Article 10, and represent a progression taking into account Parties common but differentiated responsibilities and respective capabilities, in light of different national circumstances and capabilities.\

Article 3\
Option 1:\

1. In order to achieve the long-term global temperature goal set in Article 2 of this Agreement, Parties shall limit the peaking of greenhouse house gas emissions as soon as possible, recognizing that peaking will occur at different times for developing country Parties, and to undertake rapid reductions thereafter towards reaching greenhouse gas emissions neutrality in the second half of the century on the basis of equity and guidance from the global stock take of sustainable development and poverty eradication.\

2. Each Party shall prepare, communicate and maintain successive nationally determined contributions that it intends to achieve and shall pursue domestic measures to do so.\

3. Developed country Parties should continue to take the lead. Each Party that has previously communicated absolute economy-wide emission reduction or limitation targets should continue to do so and should aim to do so over time in light of different national circumstances and stages of development.\

4. Support shall be provided to developing country Parties for the implementation of this paragraph 3, in accordance with Articles 6, 7 and 8 of this Agreement, recognizing that the ambition of the contributions of all Parties in relation to their contributions will allow for higher ambition in their actions.\

5. The least developed countries [and small island developing States][and African States] shall, at their discretion, including information on strategies, plans and actions for low carbon development.\

6. Each Party's successive contribution should represent a progression beyond the Party's previous contribution, reflecting its highest possible ambition.\

7. In communicating their contribution, all Parties shall provide the information necessary for transparency and understanding in accordance with decision X/CP.21 and any decisions of the Conference of the Parties serving as the meeting of the Parties to the Agreement.\

8. Parties shall communicate an contribution every five years in accordance with decision X/CP.21, with the Conference of the Parties serving as the meeting of the Parties to the Agreement being held in parallel with the global stock take referred to in Article 10.\

9. The Conference of the Parties serving as the meeting of the Parties to the Agreement shall determine timeframes for contributions no later than at its first session.\

10. A Party may at any time adjust its existing contribution with a view to enhancing its level of ambition.\

11. The contribution communicated by Parties shall be recorded in a public registry maintained by the secretariat.\

12. Parties shall account for their contribution. In accounting for their contribution, Parties shall provide information on transparency, accuracy, completeness, comparability and consistency, and ensure the availability of data and information.\

counting, in accordance with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to the Agreement.\

13. In the context of their ###, when recognizing and implementing mitigation actions with respect to emissions and removals, Parties should take into account, as appropriate, existing methodologies and the Convention in light of the provisions of paragraph 12 of this Article.\

14. Parties shall take into consideration in the implementation of this Agreement the needs and circumstances of the economies most affected by the impacts of response measures, particularly developing countries.\

15. Parties agree to enhance actions under this Agreement, including by strengthening existing arrangements and to adopt modalities and procedures for enhancing those arrangements. To this end the Parties serving as the meeting of the Parties to the Agreement shall establish a cooperative mechanism to address the adverse impacts of the implementation of response measures on developing country Parties.\

16. Parties, including regional economic integration organizations and their member States, which have entered into an agreement to act under Article 3, paragraph 2, jointly, shall notify the secretariat of the agreement, including the emission level allocated to each Party within the relevant time period, with respect to their ###s. The secretariat shall in turn inform the Parties and signatories to the Convention of the agreement.\

17. In the event of failure by the Parties to such an agreement, each party to that agreement shall maintain its emission level as set out in that agreement in accordance with paragraph 14 of this Article.\

18. If Parties acting jointly do so within the framework of, and together with, a regional economic integration organization that is itself a Party to this Agreement, each member State of that regional economic integration organization individually, and together with the regional economic integration organization, shall be responsible for its emission level set out in the agreement, in the event of failure to achieve the common ###s, be responsible for its emission level set out in the agreement, in accordance with paragraph 14 of this Article and Articles 9 and 11.\

19. If Parties acting jointly do so within the framework of, and together with, a regional economic integration organization, any alteration in the composition of that organization shall not affect the application of the agreement for the purpose of those ###s that are communicated subsequent to the alteration.\

20. [Cooperation between Parties in the implementation of ### includes approaches that promote sustainable development and environmental integrity and adaptation ambition, promote sustainable development and environmental integrity and adaptation, consistent with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to the Agreement. Parties shall, where engaging on a voluntary basis in cooperative approaches, promote sustainable development and environmental integrity, and apply robust accounting to ensure, inter alia, the avoidance of double counting, consistent with guidance adopted by the Conference of the Parties serving as the meeting of the Parties to the Agreement, and ensure transparency in the governance of the approaches.\

21. The use of internationally transferred emission reductions to achieve ### under this Agreement shall be voluntary and authorized by participating Parties.]\

22. All Parties should strive to formulate and communicate long-term low-greenhouse gas development strategies mindful of Article 2 of this Agreement taking into account Parties different development stages.\

Article 3 bis

1. Parties should take action to conserve and enhance, as appropriate, sinks and reservoirs of greenhouse gases referred to in Article 4, paragraph 1(d), of the Convention.\

2. Parties may take action to implement and support, including by scaling up resources and providing positive incentives for reducing emissions from deforestation and forest degradation, and for the conservation, sustainable management of forests and enhancement of forest carbon stocks in all countries; as well as alternative policy approaches, such as joint mitigation and adaptation.\

integral and sustainable management of forests; while reaffirming the importance of not
associated with such approaches; as set out in related guidance and decisions already a
Convention.\

Article 3 ter\

1. [A mechanism to contribute to the mitigation of greenhouse gas emissions and support
[in developing country Parties] is hereby established under the authority and guidance
Parties serving as the meeting of the Parties to the Agreement, shall be supervised by
Conference of the Parties serving as the meeting of the Parties to the Agreement, and s

(a) Promote the mitigation of greenhouse gas emissions [in developing country Parties]
sustainable development;\

(b) Incentivise and facilitate participation in the mitigation of greenhouse gas emissi
entities authorized by a Party;\

(c) Contribute to the reduction of emission levels in the [developing country] host Par
from mitigation activities resulting in emission reductions that can also be used by an
its ###;\

(d) Promote a net contribution to the mitigation of greenhouse gas emissions;\

2. Emission reductions resulting from this mechanism shall not be used to demonstrate a
Partys ###, if used by another Party to demonstrate achievement of its ###.\

3. The Conference of the Parties serving as the meeting of the Parties to the Agreement
the proceeds from activities under the mechanism are used to cover administrative exper
developing country Parties that are particularly vulnerable to the adverse effects of c
costs of adaptation.\

4. The Conference of the Parties serving as the meeting of the Parties to the Agreement
procedures for this mechanism at its first session.]\

5. [A mechanism is hereby established to support holistic and integrated approaches to
harmony with nature, to be available to assist [developing country] Parties in fulfill
balanced manner, mitigation, adaptation, provision of finance, technology transfer and
mechanism shall be under the authority and guidance of the Conference of the Parties s
the Parties to the Agreement, shall be supervised by a body designated by the Conferen
as the meeting of the Parties to the Agreement, and shall aim to:\

(a) Enhance mitigation and adaptation ambition and the provision or mobilization of pul
technology transfer and capacity building, in an integrated manner for climate action;\

(b) Enhance non-market-based approaches and enable participation in joint cost-effectiv
adaptation actions by public and private entities acting authorized by a Party;\

(c) Support implementation of the joint mitigation and adaptation approach for the inte
management of forests as an alternative policy approach to results-based payments;\

(d) Fully respect mitigation contributions of participating Parties to ensure that the
not undermined.\

6. The Conference of the Parties serving as the meeting of the Parties to the Agreement
procedures for the mechanism at its first session.]\

Article 4\

1. Parties hereby establish the global goal of enhancing adaptive capacity, strengthen
vulnerability to climate change, with a view to contributing to sustainable development
in the context of the temperature goal referred to in Article 2.\

2. Parties recognize that adaptation is a global challenge faced by all with local, sub
international dimensions, and that it is a key component of and makes a contribution to
response to climate change to protect people, livelihoods and ecosystems, taking into a
immediate needs of those developing country Parties that are particularly vulnerable.\

3. Adaptation efforts of developing country Parties shall be recognized, in accordance with the decision adopted by the Conference of the Parties serving as the meeting of the Parties to the Convention, at its first session.\

4. Parties recognize the need for adaptation regardless of the level of mitigation reached, and that greater adaptation can reduce the need for additional adaptation efforts, and that greater adaptation efforts can reduce adaptation costs and that greater rates and magnitude of climate change increase the level of adaptation limits.\

Parties acknowledge that adaptation action should follow a country-driven, gender-responsive and fully transparent approach, taking into consideration vulnerable groups, communities and ecosystems, and should be based on and guided by the best available science and, as appropriate, traditional knowledge of indigenous peoples and local knowledge systems, with a view to integrating adaptation action with socioeconomic and environmental policies and actions, where appropriate.\

6. Parties recognize the importance of support for and international cooperation on adaptation, and the importance of taking into account the needs of those developing country Parties that are particularly vulnerable, recognizing the particular vulnerabilities of the least developed countries and small island developing States.\

7. Parties should strengthen their cooperation on enhancing action on adaptation, taking into account the Adaptation Framework, including with regard to:\

- (a) Sharing information, good practices, experiences and lessons learned, including, as appropriate, those that relate to science, planning, policies and implementation in relation to adaptation actions;\
- (b) Strengthening institutional arrangements, including those under the Convention, to facilitate the exchange of relevant information and knowledge and the provision of technical support and guidance;\
- (c) Strengthening scientific knowledge on climate, including research, systematic observation, monitoring system and early warning systems, in a manner that informs climate services and support;\
- (d) Assisting developing country Parties in identifying effective adaptation practices and measures, priorities, support provided and received for adaptation actions and efforts, and challenges, in a manner consistent with encouraging good practices;\
- (e) Improving the effectiveness and durability of adaptation actions.\

8. United Nations specialized organizations and agencies are encouraged to support the implementation of the actions referred to in paragraph 7 of this Article, taking into account the needs of those Parties of this Article.\

9. Each Party shall, as appropriate, engage in the implementation of adaptation planning, including the development or enhancement of relevant plans, policies and/or contributions.\

- (a) The implementation of adaptation actions, undertakings and/or efforts;\
- (b) The process to formulate and implement national adaptation plans;\
- (c) The assessment of climate change impacts and vulnerability, with a view to formulating and implementing determined prioritized actions, taking into account vulnerable people, places and ecosystems;\
- (d) Monitoring and evaluating and learning from adaptation plans, policies, programmes and/or activities;\
- (e) Building the resilience of socioeconomic and ecological systems, including through diversification and sustainable management of natural resources.\

10. Each Party shall, as appropriate, submit an adaptation communication, which may include information on needs, plans and actions, without creating any additional burden for developing country Parties.\

11. The adaptation communication referred to in paragraph 10 of this Article shall be updated independently, or as a component of or in conjunction with other communications, including the national adaptation plan, or a ### as referred to in Article 3, paragraph 2 [and 2 bis.], and/or other relevant information.\

12. The adaptation communication referred to in paragraph 10 of this Article shall be made available to the Parties.\

13. Developing country Parties shall receive continuous and enhanced international support for the implementation of paragraphs 9, 10 and 11 of this Article, in accordance with the provisions of Article 12.\

14. The global stocktake referred to in Article 10 shall:\

(a) Recognize and enhancing the implementation of adaptation action on the basis of the communication referred to in paragraph 10 of this Article;\

(b) Assess the adequacy and effectiveness of support provided for adaptation;\

(c) Review the overall progress made in achieving the global goal referred to in paragraph 10 of Article 5\

Option 1:\

4\

Parties recognize the importance of averting, minimizing and addressing loss and damage associated with the adverse effects of climate change, including extreme events and slow onset events, and development in reducing the risk of loss and damage\

Option 2:\

1. Parties recognize the importance of averting, minimizing and addressing loss and damage associated with the adverse effects of climate change, including extreme events and slow onset events, and development in reducing the risk of loss and damage.\

2. Accordingly, Parties, in the context of international cooperation and solidarity[, and in accordance with the principle and provisions of the Convention, including common but differentiated responsibilities and respective capabilities] shall, as appropriate, enhance and, where needed, develop and implement action to address loss and damage associated with the adverse effects of climate change, including as the following:\

(a) Early warning systems;\

(b) Slow onset events, including those that may involve irreversible and permanent loss;\

(c) Comprehensive risk assessment and management;\

(d) Risk insurance facilities, climate risk pooling and other insurance solutions;\

(e) Non-economic losses;\

(f) Climate change induced displacement, migration and planned relocation.\

3. Parties shall enhance action and support, on a cooperative and facilitative basis, to address loss and damage associated with the adverse effects of climate change, and in a manner that does not increase the legal liability for liability or compensation nor prejudice existing rights under international law.5\

4. Option 1:\

An international mechanism to address loss and damage is hereby defined under this Agreement to be bound by the principles and provisions of the Convention.\

The international mechanism on loss and damage shall draw upon, further develop and elaborate the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts, taking into account relevant COP decisions, including the development of modalities and procedures for the mechanism, and support. It can involve, as appropriate, existing bodies and expert groups under the Convention, relevant organizations and expert bodies outside the Convention, and be informed by relevant international law.\

Option 2:\

The Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts, as established in accordance with the Convention, shall serve this Agreement.\

Parties shall continue to implement the Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts, in accordance with decisions 3/CP.18 and 2/CP. 20. It shall be supported, as appropriate, in order to avert, minimize and address loss and damage associated with the adverse effects of climate change.\

5. The [Warsaw International Mechanism, as referred to in paragraph 4 above,][international mechanism, as referred to in paragraph 4 above,] shall promote and support the development and implementation of action to address loss and damage associated with the adverse effects of climate change in particular in developing countries.\

Article 6\

1. Developed country Parties shall provide [new,] [additional,] [adequate,] [predictable,] and [scaled-up] financial resources to assist developing country Parties with respect to adaptation. Other Parties may on a voluntary, complementary basis, provide resources to developing country Parties, including through South-South cooperation initiatives.\
 2. Developed country Parties should take the lead in mobilizing and facilitating the mobilization of financial resources from a wide variety of sources, instruments and channels, noting the significant role of the private sector and shared effort by all Parties, through a variety of actions, including, inter alia, the development of enabling environments, supporting country-driven strategies, and taking into account the needs and capacities of developing country Parties.\
 3. The provision and mobilization of climate finance to enhance adaptation action in developing country Parties shall represent a progression beyond the current level, with a floor of USD \$100 billion per year, which is to be mobilized by developed country Parties, taking into account meaningful mitigation action and transparency on implementation, towards achieving short-term goals and quantified goals for the post 2020 period to be periodically established and reviewed by the Parties serving as the meeting of the Parties to the Agreement, in the context of the global stocktake referred to in Article 10.\
 4. Parties should integrate climate considerations, including resilience, into international and domestic policies and planning.\
 5. The provision of scaled-up financial resources should aim to achieve a balance between support for mitigation, taking into account country-driven strategies, and the priorities and needs of developing country Parties, especially those that are particularly vulnerable to the adverse effects of climate change, including developed countries, small island developing States and African States], considering the role of grant-based resources for adaptation.\
 6. To enhance predictability, developed country Parties shall biennially communicate qualitative information related to paragraphs 1 and 2 of this Article, as applicable, on the amount of public financial resources to be provided to developing country Parties, taking into account the global stocktake referred to in Article 10.\
 7. The global stocktake referred to in Article 10 shall take into account the relevant information provided by developed country Parties, including Agreement bodies, on efforts related to climate finance.\
 8. Transparent, complete, consistent, comparable, and accurate information on support for developing country Parties provided, mobilized through public interventions and received shall biennially be reported by developed country Parties in accordance with the modalities, procedures and guidelines to be adopted by the Parties serving as the meeting of the Parties to the Agreement, at its first session after the entry into force of paragraph 8.\
 9. The Financial Mechanism of the Convention, including its operating entities, shall serve as the financial mechanism of this Agreement.\
 10. The institutions serving this Agreement, including the operating entities of the Financial Mechanism, shall ensure efficient access to financial resources through simplified approval procedures and streamlined support for developing country Parties[, in particular for LDCs, SIDS and African States], in line with their national climate strategies and plans.\
- Article 7\
1. Parties, noting the importance of technology for the implementation of mitigation and adaptation under this Agreement and recognizing existing technology deployment and dissemination efforts, shall promote and support cooperative action on technology development and transfer.\
 2. Parties share a long-term vision on the importance of fully realizing technology development and transfer in order to improve resilience to climate change and to reduce greenhouse gas emissions.\
 3. A technology framework is hereby established to provide overarching guidance to the Financial Mechanism in promoting and facilitating enhanced action on technology development and transfer, to support the implementation of this Agreement, in pursuit of the long-term vision referred to in paragraph 2 of this Article.\

4. Accelerating, encouraging and enabling innovation is critical for an effective, long-term response to climate change and promoting economic growth and sustainable development. Such effort should be appropriate, supported, including through financial means by the Technology Mechanism and the Finance Mechanism of the Convention, for collaborative approaches to research and development, and to technology, in particular for early stages of the technology cycle, to developing countries.

5. The Technology Mechanism shall serve this Agreement.\

6. Developed country Parties shall provide support, including financial support, for the implementation of this Article, including for strengthening cooperative action on technology development and transfer in the early stages of the technology cycle, ensuring the balance between mitigation and adaptation. The support referred to in Article 10 shall take into account available information by developed countries. The Agreement bodies on efforts related to support on technology development and transfer shall be established under Article 8\

1. Capacity-building under this Agreement should enhance the capacity and ability of developing countries, in particular countries with the least capacity, such as least developed countries and small island developing States and African States [in accordance with the principles and provisions of the Convention], to take climate change action, including, inter alia, to implement adaptation and mitigation actions, technology development, dissemination and deployment, access to climate finance, relevant education, training and public awareness, and the transparent, timely and accurate communication of information.\

2. Capacity-building should be country-driven, based on and responsive to national needs, and the ownership of Parties, including at the national, subnational and local levels. Capacity-building should be based on lessons learned, including those from capacity-building activities under the Convention, and should be an effective, iterative process that is participatory, cross-cutting and gender-responsive.

3. All Parties should cooperate to enhance the capacity of developing country Parties. Developed country Parties should enhance support for actions for capacity-building in developing countries.

4. All Parties enhancing the capacity of developing country Parties to implement this Agreement should, through regional, bilateral and multilateral approaches, shall regularly communicate on these actions. Developed country Parties should regularly communicate progress made in capacity-building. Developing country Parties should regularly communicate progress made in capacity-building plans, policies, actions or measures to implement this Agreement.\

5. Capacity-building activities shall be enhanced through appropriate institutional arrangements for the implementation of this Agreement, including the appropriate institutional arrangements under the Convention that serve this Agreement. The Conference of the Parties serving as the meeting of the Parties to this Agreement shall at its first session take an initial decision on the institutional arrangements under Article 8 bis\

Parties shall cooperate in taking measures, as appropriate, to enhance climate change education, public awareness, public participation and public access to information, recognizing the importance of these measures with respect to enhancing actions under this Agreement.\

Article 9\

1. Option 1: A robust transparency framework covering both action and support, differentiating between developed and developing countries, building on the arrangements under the Convention, related decision-making mechanisms established by the Cancun Agreements (decision 1/CP.16), applicable to all Parties, with flexibility to developing countries is hereby established.\

Option 2: A unified and robust transparency framework, covering both action and support, differentiating between developed and developing countries, and applicable to all Parties, with flexibility to take into account Parties differing capacities, and applicable to all Parties.

Option 3: Building on existing arrangements under the Convention, a transparency framework covering both action and support that takes into account Parties different capacities and is applicable to all Parties.

2. The transparency framework shall provide flexibility in the implementation of the provisions of the framework to developing country Parties in the light of their capacities. The modalities, procedures

in paragraph 8 of this Article shall reflect such flexibility.\

3. The transparency framework shall recognize the special circumstances of the least developed countries and small island developing States, and be implemented in a facilitative, non-intrusive, non-punitive manner, respecting national sovereignty, and avoid placing undue burden on Parties.\

4. The purpose of the framework for transparency of action is:\

(a) To provide a clear understanding of climate change actions in the light of the objectives of the Agreement, as set out on its Article 2;\

(b) To provide a clear understanding of the anthropogenic emissions by sources and removals by sinks of greenhouse gases at individual Parties;\

(c) To facilitate understanding of global aggregate emissions and removals to inform the global stocktake under Article 10;\

(d) To ensure clarity and tracking of progress made towards ### and achieving individual contributions towards the global mitigation ### under Article 3;\

(e) To provide clarity on Parties adaptation actions under Article 4, including good practices and lessons learned, needs and gaps.\

5. The purpose of the framework for transparency of support is:\

(a) To provide a clear understanding of the support provided and received by relevant Parties, in the context of climate change actions under Articles 3 and 4;\

(b) To achieve, to the extent possible, a full overview of aggregate financial support provided and received, global stocktake under Article 10;\

(c) To ensure clarity and tracking of progress made in providing support in accordance with the Agreement; 8;\

(d) To ensure clarity and tracking of support needed and received by developing countries, in accordance with Articles 6, 7 and 8;\

(e) To ensure the avoidance of double counting of financial resources provided.\

6. Each Party shall regularly provide the following information in accordance with guidance in paragraph 8 of this Article:\

(a) Its national inventory of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(b) Projections of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(c) Progress made towards achieving its respective mitigation ### under Article 3 including information specific to the type of ###;\

(d) Climate change impacts and actions taken to build resilience and reduce vulnerability, including adaptation actions under Article 4;\

(e) Support provided and received, as relevant, including specific information required under Articles 6.14, 7 and 8.\

7. Option 1: The information provided by each Party as required under this Article shall be subject to expert review, in accordance with guidelines and procedures adopted by the Conference of the Parties at the meeting of the Parties to the Agreement, with additional flexibility to be given to the least developed countries and small island developing States.\

The review shall provide a thorough, objective and comprehensive technical assessment of the implementation and achievement of its ### and other requirements of the Agreement, analyzing the information which the Parties reporting is in line with the guidelines adopted by the Conference of the Parties at the meeting of the Parties to the Agreement, and identify any areas for improvement in reporting, capacity building, in consultation with the Party concerned. The technical expert review shall be conducted by an expert review team that shall produce a report, to be consulted on with the Party concerned, and the secretariat and consideration by the Conference of the Parties serving as the meeting of the Parties to the Agreement. The report shall identify any issues related to compliance in accordance with the Agreement. The multilateral and facilitative examination shall consider the information above.\

Option 2: All information provided by developed country Parties shall be reviewed through a review process followed by a multilateral assessment process, and result in a conclusion on compliance. All information provided by developing country Parties should be analysed through an analysis process followed by a multilateral facilitative sharing of views, and result in a conclusion in a manner that is nonintrusive, non-punitive and respectful of national sovereignty, according to the information received from developed country Parties.\

8. The Conference of the Parties serving as the meeting of the Parties to the Agreement shall, building on experience from the arrangements related to transparency under the Convention, and in accordance with the provisions in this Article, adopt common modalities, procedures and guidelines, as well as measures for transparency of action and support.\

9. The transparency arrangements under the Convention, including national communication and consultation, biennial update reports, international assessment and review and international consultation, shall form part of the experience drawn upon for the development of modalities, procedures and guidelines in paragraph 8 of this Article.\

10. Support shall be provided to developing countries for the implementation of paragraph 8.\

11. Developed country Parties shall provide support to developing country Parties in the implementation of paragraph 8 of this Article.\

12. Support shall also be provided for the building of transparency-related capacity on a continuous basis.\

Article 10\

1. The Conference of the Parties serving as the meeting of the Parties to the Agreement shall, at the request of the Parties, review the implementation of this Agreement to assess the collective progress towards achieving the objectives of the Agreement and its long-term goals. It shall do so in a comprehensive and facilitative manner, taking into account mitigation, adaptation and the means of implementation and support, and in the light of equity and equity.\

2. The Conference of the Parties serving as the meeting of the Parties to the Agreement shall convene a global stocktake in 2023 and every five years thereafter unless otherwise decided by the Parties serving as the meeting of the Parties to the Agreement.\

3. The outcome of the stocktake shall guide and inform Parties in updating and enhancing their national contributions in a determined manner, their actions and support in accordance with the relevant provisions of the Agreement, as well as in enhancing international cooperation for climate action.\

Article 11\

1. A mechanism to facilitate implementation of [and promote compliance with] the provisions of the Agreement shall be hereby established.\

The mechanism referred to in paragraph 1 of this Article shall consist of a committee of experts, which shall be independent and facilitative in nature and function in a manner that is transparent, non-adversarial and non-punitive. The committee shall pay particular attention to the respective national capabilities and circumstances of Parties.\

3. The committee shall operate under modalities and procedures adopted by the Conference of the Parties serving as the meeting of the Parties to the Agreement at its first session and report annually to the Parties serving as the meeting of the Parties to the Agreement.\

Article 12\

1. The Conference of the Parties, the supreme body of the Convention, shall serve as the meeting of the Parties to this Agreement.\

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in any session of the Conference of the Parties serving as the meeting of the Parties to this Agreement. The Conference of the Parties serves as the meeting of the Parties to this Agreement, decisions on matters relating to the Agreement shall be taken only by those that are Parties to this Agreement.\

3. When the Conference of the Parties serves as the meeting of the Parties to this Agreement, the

Bureau of the Conference of the Parties representing a Party to the Convention but, at this Agreement, shall be replaced by an additional member to be elected by and from among the Parties to the Agreement.\

4. The Conference of the Parties serving as the meeting of the Parties to the Agreement shall review the implementation of this Agreement and shall make, within its mandate, the decisions necessary to promote its effective implementation. It shall perform the functions assigned to it by the Convention and shall:

(a) Establish such subsidiary bodies as deemed necessary for the implementation of this Agreement;

(b) Exercise such other functions as may be required for the implementation of this Agreement.

5. The rules of procedure of the Conference of the Parties and the financial procedures of the Convention shall be applied mutatis mutandis under this Agreement, except as may be otherwise decided by consensus by the Conference of the Parties serving as the meeting of the Parties to the Agreement.

6. The first session of the Conference of the Parties serving as the meeting of the Parties to the Agreement shall be convened by the secretariat in conjunction with the first session of the Conference of the Parties after the date of entry into force of this Agreement. Subsequent ordinary sessions of the Conference of the Parties serving as the meeting of the Parties to the Agreement shall be held in conjunction with the sessions of the Conference of the Parties, unless otherwise decided by the Conference of the Parties serving as the meeting of the Parties to the Agreement.\

7. Extraordinary sessions of the Conference of the Parties serving as the meeting of the Parties to the Agreement shall be held at such other times as may be deemed necessary by the Conference of the Parties serving as the meeting of the Parties to the Agreement or at the written request of any Party, provided that the request is supported by at least one third of the Parties by the secretariat, it is supported by the Conference of the Parties.\

8. The United Nations, its specialized agencies and the International Atomic Energy Agency and any member thereof or observers thereto not party to the Convention, may be represented at sessions of the Conference of the Parties serving as the meeting of the Parties to the Agreement as observers. Such agencies, whether national or international, governmental or non-governmental, which are not covered by this Agreement and which have informed the secretariat of their wish to be represented at sessions of the Conference of the Parties serving as the meeting of the Parties to the Agreement as observers, may be admitted unless at least one third of the Parties present object. The admission and participation of such observers shall be subject to the rules of procedure referred to in paragraph 5 of this Article.\

Article 13\

1. The secretariat established by Article 8 of the Convention shall serve as the secretariat of the Conference of the Parties.

2. Article 8, paragraph 2, of the Convention on the functions of the secretariat, and the rules of procedure of the Convention on arrangements made for the functioning of the secretariat shall apply mutatis mutandis under this Agreement. The secretariat shall, in addition, exercise the functions assigned to it under this Agreement by the Conference of the Parties serving as the meeting of the Parties to the Agreement.\

Article 14

1. The Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation established by Articles 9 and 10 of the Convention shall serve, respectively, as the subsidiary body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement. The rules of procedure of the Convention relating to the functioning of these two bodies shall apply mutatis mutandis under this Agreement.

2. Sessions of the meetings of the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement shall be held in conjunction with the meetings of the Conference of the Parties. Sessions of the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement shall be held in conjunction with the meetings of the Conference of the Parties.\

3. Parties to the Convention that are not Parties to this Agreement may participate as observers in any session of the subsidiary bodies. When the subsidiary bodies serve as the subsidiary bodies of the Conference of the Parties to this Agreement, decisions under this Agreement shall be taken only by those that are Parties to this Agreement.

procedural or administrative character.\

2. The provisions of Article 16 of the Convention on the adoption and amendment of annexes shall apply mutatis mutandis to this Agreement.\

Article 21\

The provisions of Article 14 of the Convention on settlement of disputes shall apply mutatis mutandis to this Agreement.\

Article 22\

1. Each Party shall have one vote, except as provided for paragraph 2 of this Article.\

2. Regional economic integration organizations, in matters within their competence, shall exercise one vote with a number of votes equal to the number of their member States that are Parties to this Agreement. An organization shall not exercise its right to vote if any of its member States exercises its right.\

Article 23\

The Secretary-General of the United Nations shall be the Depositary of this Agreement.\

Article 24\

No reservations may be made to this Agreement.\

Article 25\

1. At any time after three years from the date on which this Agreement has entered into force, any Party may withdraw from this Agreement by giving written notification to the Depositary.\

2. Any such withdrawal shall take effect upon expiry of one year from the date of receipt of the notification of withdrawal, or on such later date as may be specified in the notification.\

3. Any Party that withdraws from the Convention shall be considered as also having withdrawn from this Agreement.\

Article 26\

The original of this Agreement, of which the Arabic, Chinese, English, French, Russian and Spanish texts are equally authentic, shall be deposited with the Secretary-General of the United Nations.

In [79]: UN_draft2 = ""A. DRAFT AGREEMENT

[The Parties to this Agreement,\

Pp1 Being Parties to the United Nations Framework Convention on Climate Change, hereinafter referred to as the Convention,\

Pp2 In pursuit of the objective of the Convention, and being guided by its principles and common but differentiated responsibilities and respective capabilities, in the light of the specific circumstances,\

Pp3 Pursuant to the Durban Platform for Enhanced Action established by decision 1/CP.17, and the decisions of the Parties to the Convention at its seventeenth session,\

Pp4 Recognizing the intrinsic relationship between climate change, poverty eradication, sustainable development, and reaffirming that responses to climate change should aim to address the needs and concerns arising from the adverse impacts of response measures,\

Pp5 Taking account of the specific needs of developing country Parties, and especially the most vulnerable to climate-related events,\

Pp6 Also taking account of the specific needs and special situations of the least developed countries, as set out in Article 4, paragraph 9, of the Convention, and the specific circumstances of small island developing States (SIDS),\

Pp7 Emphasizing the need to respond to the urgent threat of climate change on the basis of the best available scientific knowledge, in particular, the assessment reports of the Intergovernmental Panel on Climate Change,\

Pp8 [Noting that the largest share of historical global emissions of greenhouse gases has been from developed countries, that per capita emissions in developing countries are still relatively low and that global emissions originating in developing countries will grow to meet their social and development needs,\

Pp9 [Recognizing that Parties should take action to address climate change in accordance with current and emission trends, which will continue to evolve post-2020,]\

Pp10 [Emphasizing the importance of Parties promoting, protecting and respecting all human rights, and the rights of indigenous peoples, migrants, children, persons with disabilities and other vulnerable groups, in particular in situations and under occupation, and the right to development, in accordance with the principles of the Declaration on the Rights of Women, promoting gender equality and the empowerment of women, when taking action to address climate change,]\

Pp11 Noting the needs and integrity of terrestrial ecosystems, oceans and Mother Earth, and the need to protect and restore ecosystems, Taking into account the imperatives of a just transition of the workforce and the creation of decent and quality jobs in accordance with nationally defined development priorities,]\

Pp13 Recognizing the fundamental priority of safeguarding food security and ending hunger, and the need to protect the vulnerabilities of food production systems to the adverse impacts of climate change,]\

Pp14 Also recognizing the importance of the conservation and enhancement, as appropriate, of sinks of greenhouse gases referred to in Article 4, paragraph 1(d), of the Convention, including forests, and agreed approaches,]\

Pp15 Affirming the importance of education, training, public awareness, public participation, information and cooperation at all levels on the matters addressed in this Agreement, and the importance of engagements of all levels of government and various actors, in accordance with the national legislations of Parties, in addressing climate change,]\

Have agreed as follows:\

Article 1 (DEFINITIONS)\

For the purposes of this Agreement, the definitions contained in Article 1 of the Convention shall apply.\

Article 2 (PURPOSE)\

1. The purpose of this Agreement is to [enhance the implementation of the Convention and to achieve the objective of the Convention set out in its Article 2 [through the implementation of response measures and support]] so as:\

(a) To hold the increase in the global average temperature to\

Option 1: below 2 °C above pre-industrial levels,\

Option 2: well below 2°C above pre-industrial levels [and to [rapidly] scale up global efforts to limit the temperature increase to below 1.5 °C] [,while recognizing that in some regions and vulnerable sectors high risks are projected even for warming above 1.5 °C],\

Option 3: below 1.5°C above pre-industrial levels,\

taking into account the best available science, equity, sustainable development, the need to protect food security and the availability of means of implementation, by ensuring deep reductions in global greenhouse gas [net] emissions;\

(b) To increase their ability to adapt to the adverse impacts of climate change [and to protect themselves from the impacts of the implementation of response measures and to loss and damage];\

(c) To pursue sustainable development in a manner that fosters climate resilience and sustainable economic growth, and that does not threaten food production and distribution;\

(d) To make finance flows consistent with a pathway towards low-emission and climate-resilient sustainable development, in the context of sustainable development priorities and efforts to eradicate poverty;\

2. [This Agreement will be implemented on the basis of equity and in accordance with the principle of common but differentiated responsibilities and respective capabilities, in the light of different national circumstances, on the basis of respect for human rights.]\

Article 2bis (GENERAL)\

Option 1:\

1. [All Parties shall undertake efforts defined in Articles 3, 4, 6, 7, 8 and 9 towards achieving the objective of the Agreement as set out in its Article 2, and communicate such efforts in accordance with the provisions of the Agreement. Over time such efforts will represent a progression taking into account Parties' national circumstances and capabilities, and the need to protect food security and the availability of means of implementation, by ensuring deep reductions in global greenhouse gas [net] emissions;\

circumstances and development stages while recognizing that the extent of the efforts of developed country Parties will depend on the extent of support they receive.]\

2. Subsequent efforts will be informed by the results of the global stocktake as defined in Article 10 of the Convention, and shall be a progression taking into account Parties common but differentiated responsibilities and capabilities, in light of different national circumstances.]\

Option 2:\

1. [All Parties [shall] regularly prepare, communicate [and implement] [intended] national contributions][components] [on [mitigation] and adaptation] [undertakings in adaptation and mitigation] of implementation]3\

[towards achieving the [purpose of this Agreement as set out in Article 2 of the Convention] [objective of the Convention as set out in its Article 2],] [in accordance with Article 2 of the Convention] in accordance with the provisions of this Agreement, including the specific provisions relating to adaptation and means of implementation.]\

2. Each Party's [intended] nationally determined contribution will represent a progression of efforts, reflecting differentiated responsibilities and commitments under the Convention.]\

3. The extent to which developing country Parties will effectively implement this Agreement shall be determined by the effective implementation by developed country Parties of their commitments on the provision of financial resources, technology development and transfer and capacity-building.]\

4. Successive [intended] nationally determined contributions will be [informed by the results of the global stocktake as defined in Article 10 of the Convention] and communicated before the start of the previous [intended] nationally determined contribution by the Party concerned.]\

Article 3 (MITIGATION)\

{Collective long-term goal}\

1. Option 1: Parties collectively aim to reach the global temperature goal referred to in Article 2, limiting the peaking of global greenhouse gas emissions as soon as possible, recognizing that peaking will occur at different times for developed countries and will be longer for developing countries; rapid reduction of 70 per cent [7095 per cent] below 2010 levels by 2050; toward achieving net zero greenhouse gas emissions [by the end][after the middle] of the century] informed by best available science, on the basis of equity and in the context of sustainable development and poverty eradication.]\

Option 2: Parties collectively aim to reach the global temperature goal referred to in Article 2, limiting global low emissions [transformation toward [climate neutrality][decarbonization]] over the course of the century informed by best available science, on the basis of equity and in the context of sustainable development and poverty eradication.]\

{Individual efforts}\

2. Each Party shall regularly prepare, communicate [and maintain] [successive] ###4\ and [shall][should][other]\

[take appropriate domestic measures] [have in place][identify and] [pursue] [implement] [national policies] [nationally determined] policies or other measures] [designed to] [implement][achieve] the implementation of] its ###].\

{Differentiated efforts}\

Option 1:\

3. In accordance with Article 4, paragraph 2, of the Convention, developed country Parties included in Annex I shall undertake quantified economy-wide absolute emission reduction commitments/targets, which are comparable, measurable, reportable and verifiable, cover all sectors and are implemented domestically without any conditions.]\

3bis. In accordance with Article 4, paragraphs 1, 3, 4, 5 and 7, of the Convention, developing country Parties shall undertake diversified enhanced mitigation actions/efforts in a measurable, reportable and verifiable manner in the context of sustainable development and supported and enabled by the provision of a

technology and capacity-building by developed country Parties.\

Option 2:\

3. Each Party that has previously communicated absolute economy wide emissions reductions should continue to do so and all Parties should aim to do so over time.\

3bis. Developed country Parties should continue to take the lead.\

4. LDCs [and SIDS][and African states] may communicate their ### at their discretion, strategies, plans and actions for low greenhouse gas development, reflecting their special circumstances.\

5. Option 1: Developed country Parties and other developed Parties included in Annex I [and other Parties with the capacity to do so] shall provide new and additional financial resources and capacity-building to meet the agreed full costs incurred by developing country Parties in fulfilling their obligations under this Article.\

Option 2: Developing country Parties7\

are eligible for support in the implementation of this Article.\

Option 3: The extent to which developing country Parties will effectively implement their commitments will depend on the effective implementation by developed country Parties of their commitments to provide financial resources, transfer of technology and capacity-building.\

{Progression/ambition}\

6. Each Party's successive ### [shall][should][will] represent a progression beyond the previous one and reflect its highest possible ambition [based on common but differentiated responsibilities and capabilities, in light of different national circumstances].\

{Information}\

7. [In communicating their ###, all Parties shall provide the information necessary for a full understanding in accordance with decision 1/CP.21 and any subsequent decisions of the Conference of the Parties].\

{Timing}\

8. Parties shall communicate an ### every five years in accordance with decisions of the Conference of the Parties and the outcomes of the global stock take referred to in Article 10.\

9. The CMA shall decide on common timeframes for ####, no later than its [X] session.\

{Adjustments}\

10. A Party may at any time adjust its existing ### with a view to enhancing its level of ambition, using the simplified adjustment procedure referred to in Article 19, paragraph 3).\

{Housing}\

11. The ### communicated by Parties shall be recorded [in an online registry maintained by the secretariat or in Annex [X] to this Agreement].\

{Accounting}\

12. Parties shall [track progress towards][account for] their ###. In [tracking progress towards] their ###, Parties shall promote environmental integrity, transparency, accuracy, completeness, consistency, and ensure the avoidance of double counting, in accordance with guidance from the CMA.\

{Methods and guidance}\

13. In the context of their ###, when recognizing and implementing mitigation actions to reduce greenhouse gas emissions and removals, Parties [may draw from and build on] [shall take into account] the best available science, methods and guidance, under the Convention and from the IPCC as adopted by the COP.\

{Response measures}\

[Preamble: Parties acknowledge the importance of cooperation, including around economic diversification, to reduce the adverse impacts of the implementation of response measures.]\

14. [Parties shall give full consideration to what actions are necessary under this Agreement to address the needs and concerns of developing country Parties arising from the impact of the implementation of response measures, including in terms of economic diversification, and taking into consideration the need to protect and promote sustainable development].\

and social and economic development are the first and overriding priorities of development.

15. Parties agree to enhance actions under this Agreement, including through strengthening arrangements, and to adopt modalities and procedures for enhancing those arrangements. Parties shall establish a cooperative mechanism to address the adverse impacts of the implementation of measures on developing country Parties, as included in decision -/CP.21.]\

Parties, including regional economic integration organisations and their member States, shall agree to [implement their ###s jointly] [act under Article 3, paragraph 2, jointly] [in accordance with the terms of the agreement, including the emission level allocated to each Party within a specified period, at the time when they communicate their ###s. The secretariat shall in turn inform the signatories to the Convention of the terms of this Agreement.]\

17. [In the event of failure by the] [Each] Part[y] [ies] to such an agreement [to achieve the common ###s] [party to that agreement] shall be responsible for its emission level as set out in the agreement, including paragraph [14] above and Articles [9] and [11].]\

18. If Parties [implementing their ###s jointly] [acting jointly] do so in the framework of a regional economic integration organization which is itself a Party to this Agreement, the regional economic integration organization individually, and together with the regional economic integration organization shall[, in the event of failure to achieve the common ###s,] be responsible for its emission level as set out in the agreement notified under paragraph (1) in accordance with paragraph [14] above and [11].]\

19. If Parties [implementing] [acting] jointly do so in the framework of, and together with, a regional economic integration organization, any alteration in the composition of the organization shall not affect the responsibility of the Parties. This shall only apply for the purposes of those ###s that are communicated subsequent to the adoption of the agreement.]\

{Cooperative approaches}\

20. [Parties shall, where engaging on a voluntary basis in cooperative approaches that contribute to achieving internationally transferred mitigation outcomes towards ###, promote sustainable development, enhance environmental integrity and apply robust accounting to ensure, inter alia, the avoidance of double counting in accordance with guidance adopted by the CMA.]\

{Long-term strategies}\

21. All Parties should voluntarily formulate and communicate long-term low-emission development strategies.]\

[Article 3 bis] (REDD-PLUS)\

1. Parties are encouraged to conserve and enhance, as appropriate, sinks and reservoirs of greenhouse gases in accordance with Article 4 paragraph 1(d) of the Convention.]\

2. Parties are encouraged to incentivize,[including by scaling up resources] the reduction of greenhouse gas emissions from deforestation and forest degradation and to promote the conservation and sustainable management of forests and enhancement of forest carbon stocks in developing countries, while enhancing the non-forest activities that support alternative policy approaches, such as joint mitigation and adaption approaches. Parties shall support sustainable management of forests, including alleviating poverty and building ecosystems resilience, in accordance with previous COP decisions related to forests.]\

[Article 3 ter] (MECHANISM TO SUPPORT SUSTAINABLE DEVELOPMENT)\

{Proposed Mechanism 1}\

1. [A mechanism to support sustainable development [in developing country Parties] is hereby established. The authority and guidance of the CMA, shall be supervised by a body designated by the Parties.]\

(a) Promote sustainable development [in developing country Parties];\

(b) Incentivise and facilitate participation in mitigation action by public and private entities, taking into account the responsibility of a Party;\

(c) Enhance mitigation ambition by [developing country] Parties [, by incentivising sustainable development and climate action, beyond their ###];\

(d) Deliver, where desired by participating Parties, a net decrease in, or avoidance of, greenhouse gas emissions;\

(e) Assist Parties [with a ### reflecting an absolute target in relation to a base year] through the use of mitigation outcomes from mitigation activities [in developing countries]

(f) Ensure environmental integrity, including by ensuring that such mitigation shall not be used more than once, in accordance with guidance adopted by the CMA pursuant to Article [3, paragraph 2]. [The CMA shall ensure that a share of the proceeds from activities under the mechanism shall be used to cover administrative expenses as well as to assist developing country Parties that are particularly vulnerable to the adverse effects of climate change to meet the costs of adaptation.]

3. [The CMA shall adopt modalities and procedures for this mechanism at its first session.]

{Proposed Mechanism 2}

1. [A mechanism is hereby established to support holistic and integrated approaches to sustainable development in harmony with nature, to be available to assist [developing country] Parties in fulfilling their obligations in a balanced manner, mitigation, adaptation, provision of finance, technology transfer and capacity building. The mechanism shall be under the authority and guidance of the CMA, shall be supervised by the CMA, and shall aim to:]

(a) Enhance mitigation and adaptation ambition and the provision or mobilization of public and private resources for technology transfer and capacity building, in an integrated manner for climate action

(b) Enhance non-market-based approaches and enable participation in joint cost-effective mitigation and adaptation actions by public and private entities acting under the responsibility of a government

(c) Support the implementation of the joint mitigation and adaptation approach for the sustainable management of forests as an alternative policy approach to results-based payments

(d) Fully respect mitigation contributions of participating Parties to ensure that the integrity of the climate system is not undermined.

2. The CMA shall adopt modalities and procedures for the mechanism at its first session.

Article 4 (ADAPTATION)

1. Parties hereby establish the global goal of enhancing adaptive capacity, strengthening resilience and reducing vulnerability to climate change, [in accordance with the objective, principles and provisions of the Convention, including common but differentiated responsibilities and respective capabilities,] with a view to achieving sustainable development [and ensuring adaptation in the context of the goal of holding the increase in global average temperature below [2 degrees C][2 or] 1.5 degrees C referred to in Article 2].

2. Parties recognize that adaptation is a global challenge faced by all with local, sub-regional, regional and international dimensions, and that it is a key component of and contribution to the implementation of the Convention to protect people, livelihoods and ecosystems, taking into account the specific needs of those developing countries that are particularly vulnerable.

3. Adaptation efforts of developing countries shall be recognized, in accordance with the Convention, by the CMA at its first session.

4. Parties recognize the need for adaptation regardless of the level of mitigation realized. They also recognize that mitigation can reduce the need for additional adaptation efforts, [and] that greater adaptation efforts can reduce greater adaptation costs[and that greater rates and magnitude of climate change increase the risk of exceeding adaptation limits].

5. Parties acknowledge that adaptation action should follow a country-driven, gender-responsive and people-centered, fully transparent approach, taking into consideration vulnerable groups, communities and ecosystems. Adaptation should be based on and guided by the best available science and, as appropriate, traditional knowledge and local knowledge systems, with a view to integrating adaptation into relevant policies and actions, where appropriate.

6. Parties recognize the importance of support and international cooperation for adaptation. They also recognize the importance of taking into account the needs of those developing countries that are particularly vulnerable to the adverse effects of climate change, [, recognizing the particular vulnerabilities of the least developed countries (LDCs) and small island developing States (SIDS)].

7. Parties should strengthen their cooperation for enhancing action on adaptation, taking into account the Adaptation Framework, including with regard to:\

- (a) Sharing information, good practices, experiences and lessons learned, including, as appropriate, those that relate to the science, planning, policies and implementation of adaptation actions;\
- (b) Strengthening institutional arrangements, including those under the Convention, to facilitate the exchange of relevant information and knowledge and the provision of technical support and guidance;\
- (c) Strengthening scientific knowledge on climate, including research, systematic observation, monitoring system and early warning systems, in a manner that informs climate services and support;\
- (d) Assisting developing country Parties [[and other countries] in need] to identify current and future good practices, adaptation needs, priorities, support provided and received for adaptation actions, and challenges and gaps, in a manner consistent with encouraging good practices;\
- (e) Improving the effectiveness and durability of adaptation actions.\

8. Encourages United Nations specialized organizations and agencies to support the effective implementation of the actions referred to in paragraph 7 of this Article, taking into account the provisions of this Article.\

9. Each Party shall, as appropriate, engage in the implementation of adaptation planning, including the development or enhancement of relevant plans, policies and/or contributions, including:\

- (a) Implementation of adaptation actions, undertakings and/or efforts;\
- (b) The process to formulate and implement national adaptation plans;\
- (c) Assessment of climate change impacts and vulnerability, with a view to formulating and implementing determined prioritized actions, taking into account vulnerable people, places and ecosystems;\
- (d) Monitoring and evaluation and learning from adaptation plans, policies, programmes and/or projects;\
- (e) Building resilience of socioeconomic and ecological systems, including through ecosystem management and sustainable management of natural resources.\

10. Each Party shall, as appropriate, submit an adaptation communication, which may include information on needs, plans and actions.\

11. The adaptation communication referred to in paragraph 10 of this Article shall be updated independently, or as a component of or in conjunction with other communications, including the adaptation plan, a[n intended] nationally determined contribution referred to in Article 2, paragraph 1, of this Agreement, and/or a national communication.\

12. Developing country Parties [[and other countries] in need] shall receive continuous support for the implementation of paragraphs 9 to 11 of this Article, in accordance with the provisions of Articles 6, 7 and 8 of this Agreement.\

13. There shall be a global stocktake on adaptation every 5 years, consistent with the provisions of Article 10, and guided by modalities to be adopted by the CMA at its first session, which shall include:\

- (a) Recognizing and enhancing the implementation of adaptation action based on the adaptation communication referred to in paragraph 10 of this Article;\
- (b) Assessing the adequacy and effectiveness of support for adaptation;\
- (c) Reviewing the overall progress in achieving the global goal on adaptation referred to in Article 58\

(LOSS AND DAMAGE)\

Option I: The following text to be included as Article 5 (Loss and Damage)\

Option II: The following text to be part of Article 4 alongside adaptation provision\

1. [The Warsaw International Mechanism for Loss and Damage associated with Climate Change impacts shall serve this Agreement.\

2. Upon the completion of its review at the twenty-second session of the COP,9\ the Warsaw International\

Mechanism shall be subject to the authority and guidance of the CMA and supported through the provision of

Mechanism of the Convention.\

3. A climate change displacement coordination facility shall be established under the Mechanism] [CMA] to help coordinate efforts to address climate change induced displacement and planned relocation.\

4. A process to develop approaches to address irreversible and permanent damage resulting from climate change will be initiated under the [Warsaw International Mechanism] [CMA] with this process within four years.]\

Article 6 (FINANCE)\

{Directional goal}\

1. Developed country Parties shall provide [new,] [additional,] [adequate,] [predictable,] and [scaled-up] financial resources to assist developing country Parties with respect to adaptation. Other Parties may on a voluntary, complementary basis, provide resources to assist adaptation, including through South-South cooperation initiatives.\

{Mobilization}\

2. Option 1: All Parties shall take action to mobilize, and/or facilitate the mobilization of a wide variety of sources, public and private, bilateral and multilateral, including adaptation, through facilitative policy frameworks, in line with their respective and evolving responsibilities, with developed country Parties taking the lead, noting the significant role of public and private, in order to meet the need support in order to take action.]\

Option 2: Developed country Parties and other Parties included in Annex II to the Convention shall provide financial resources beyond their previous efforts, supporting country-driven strategies and the needs and priorities of developing country Parties.\

Option 3: As part of a shared effort, led by developed country Parties, Parties should support the mobilization of climate finance from a wide variety of sources, instruments and channels, public and private, bilateral, multilateral, domestic, and international.\

{Mainstreaming}\

3. [Parties should integrate climate considerations, including resilience, into international cooperation] [Scale]\

4. Option 1: The mobilization of climate finance [shall][should] be scaled up in a progressive manner [beyond previous efforts] [from USD 100 billion per year] from 2020[, recognizing the role of the Green Climate Fund in the scaling up of financial resources for the implementation of adaptation, as other multilateral mechanisms and other efforts].\

Option 2: The provision and mobilization of financial resources by developed country Parties and other developed Parties included in Annex II shall represent a progression beyond their previous efforts, following identified pathways to annual expected levels of available resources towards achieving the quantified goals for the post 2020 period to be periodically established and reviewed. The provision of financial resources should be scaled up from a floor of US\$100 billion per year, including a clear burden-sharing approach, to meet the needs and priorities identified by developing country Parties in the context of contributing to the purpose as defined in Article 2 of this Agreement. It shall take into account an efficient use of financial resources and a gender-sensitive approach, and include the implementation of the Convention.\

Option 3: As part of a shared mobilization effort Parties should, in accordance with paragraph 4, support the scale and effectiveness of climate finance by: mobilizing climate finance from a wide variety of sources and channels; provide, when in a position to do so, support to developing countries in order to appropriately prioritize support; improve enabling environments; integrate climate considerations into international development assistance; and reduce international support for high-emissions activities.\

{Balance mitigation adaptation}\

5. The provision of scaled-up financial resources should aim to achieve a balance between

socially sound technologies [by developing countries];]\

(c) Fostering cooperative approaches to research and development].\

2. Parties share a long-term vision on the importance of fully realizing technology development and transfer in order to improve resilience to climate change and to reduce greenhouse gas emissions.\

3. A technology framework is hereby established to provide overarching guidance to the Technology Mechanism in promoting and facilitating enhanced action on technology development and transfer to support the implementation of this Agreement, in pursuit of the long-term vision referred to in paragraph 1 of this Article.\

4. Accelerating, encouraging and enabling innovation is critical for an effective, low-carbon pathway to address climate change and providing affordable and reliable energy access and promoting economic growth. Such effort shall be supported, as appropriate, by the Technology Mechanism and Financial Mechanism of the Convention, for research and development, collaborative approaches, and [meeting the needs of] [facilitating access to] technology, in particular for early stages of the technology development in developing countries.\

5. The Technology Mechanism shall serve this Agreement.\

6. Developing country Parties are eligible for support in the implementation of this Agreement.\

7. [In accordance with Article 4, paragraphs 3[and 5][, 5 and 9], of the Convention,] Parties [and other Parties included in Annex II to the Convention] shall provide support to developing country Parties, for strengthening cooperative action on technology development and transfer and the implementation of the technology framework through the Technology Mechanism and the Financial Mechanism of the Convention. [The overall implementation of the commitments will be assessed periodically through a review in accordance with Article 10 of this Agreement.] Parties shall regularly communicate the progress of implementing the provision of support [in a measurable, reportable and verifiable manner] in accordance with Articles 6 and 9 of this Agreement].\

Article 8 (CAPACITY-BUILDING)\

1. Parties shall enhance the capacity of developing country Parties, in particular countries with the least capacity, such as LDCs and SIDS, to take effective action, in accordance with the principles and provisions of the Convention]] to take effective action, including, inter alia, to implement adaptation and mitigation actions, and facilitate access to technology, dissemination and deployment, access to climate finance, relevant aspects of education, training, awareness, and the transparent, timely and accurate communication of information.\

2. Capacity-building should be country-driven, based on and responsive to national needs, taking into account the ownership of Parties, [in particular, for developing country Parties,] including at the national and local levels. Capacity-building should be guided by lessons learned, including those from past activities under the Convention, and should be an effective, iterative process that is inclusive, transparent and gender-responsive.\

3. All Parties should cooperate to enhance the capacity of developing country Parties. Developed country Parties should enhance support for actions for capacity-building in developing countries.\

4. All Parties enhancing the capacity of developing country Parties to implement this Agreement shall use regional, bilateral and multilateral approaches, shall regularly communicate on these approaches and capacity-building. Developing country Parties shall regularly communicate progress made in capacity-building plans, policies, actions or measures to implement this Agreement. {\n 9}\

5. Capacity-building activities shall be enhanced through appropriate institutional arrangements for the implementation of this Agreement, including the appropriate institutional arrangements of the Convention that serve this Agreement [to the extent that they serve this Agreement]. The Technology Mechanism shall report on the initial institutional arrangements for capacity-building at its first session.\

Article 8 bis\

Parties shall cooperate in taking measures, as appropriate, to enhance climate change adaptation and resilience.

awareness, public participation and public access to information, recognizing the importance of transparency in the context of climate change actions, and the need for transparency with respect to enhancing actions under this Agreement.\

Article 9 (TRANSPARENCY)\

1. Option 1: A robust transparency framework covering both action and support, differentiating between developed and developing countries, building on the arrangements under the Convention, related to reporting and verification mechanisms established by the Cancun Agreements (decision 1/CP.16), applicable to all Parties, and providing flexibility to developing countries is hereby established.\

Option 2: A unified and robust transparency framework, covering both action and support, providing flexibility to take into account Parties differing capacities, and applicable to all Parties.\

Option 3: Building on existing arrangements under the Convention, a transparency framework for action and support that takes into account Parties different capacities and is applicable to all Parties.\

2. The transparency framework shall provide flexibility in the implementation of the framework for developed and developing country Parties in the light of their capabilities. The modalities, procedures and frequency of reporting in paragraph 8 of this Article shall reflect such flexibility.\

3. The transparency framework shall be guided by the principles of the Convention and the arrangements under the Convention, recognizing the special circumstances of the least developed countries and small island developing States, and be implemented in a facilitative, non-intrusive manner, respectful of national sovereignty, and avoid placing undue burden on Parties and the reporting process.\

4. The purpose of the framework for transparency of action is to:\

(a) Provide a clear understanding of climate change actions in the light of the objectives of the Convention;\

(b) Provide a clear understanding of the anthropogenic emissions by sources and removals by sinks of greenhouse gases at individual Parties;\

(c) Facilitate understanding of global aggregate emissions and removals to inform the global stocktake under Article 10;\

(d) Ensure clarity and tracking of progress made towards {insert the relevant phrase from outcome of Article 3.2} and achieving individual Parties respective mitigation {insert the relevant phrase from outcome of Article 3.2} under Article 3;\

(e) Provide clarity on Parties adaptation actions under Article 4, including good practices and gaps.\

5. The purpose of the framework for transparency of support is to:\

(a) Provide a clear understanding of the support provided and received by relevant Parties in the context of climate change actions under Articles 3 and 4;\

(b) Achieve, to the extent possible, a full overview of aggregate financial support provided to Parties in the global stocktake under Article 10;\

(c) Ensure clarity and tracking of progress made in providing support in accordance with Article 4;\

(d) Ensure clarity and tracking of support needed and received by developing country Parties in accordance with Articles 6, 7 and 8;\

(e) Ensure the avoidance of double counting of financial resources provided.\

6. Each Party shall regularly provide the following information in accordance with guidance to be developed in paragraph 6 of this Article:\

(a) Its national inventory of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(b) Projections of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(c) Progress made towards achieving individual Parties respective mitigation {insert the relevant phrase from outcome of Article 3.2} under Article 3 including information specific to type of action taken {insert the relevant phrase from outcome of Article 3.2};\

(d) Climate change impacts and actions taken to build resilience and reduce vulnerability, including adaptation actions under Article 4;\

(e) Support provided and received, as relevant, including specific information required under paragraphs 6.14, 7 and 8.\

7. Option 1: The information provided by each Party as required under this Article shall be subject to an expert review, in accordance with guidelines and procedures adopted by the CMA, with a view to the information to be given to LDCs and SIDS.\

The review shall provide a thorough, objective and comprehensive technical assessment of the Party's implementation and achievement of its nationally determined mitigation {insert the relevant text from the outcome of Article 3.2} and other requirements of the Agreement, analyze the extent to which the Party's reporting is in line with the guidelines adopted by the CMA, and identify any areas for improvement and possible capacity building, in consultation with the Party concerned. The technical review shall be carried out by an expert review team that shall produce a report, to be consulted with the Party concerned, for publication by the secretariat and consideration by the CMA. The report shall identify areas of non-compliance in accordance with Article 11. A multilateral and facilitative examination of the Party's information above.\

Option 2: All information provided by developed country Parties, and shall be reviewed through a technical review process followed by a multilateral assessment process, and result in recommendations on the consequences for compliance; All the information provided by developing country Parties shall be reviewed through a technical analysis process followed by a multilateral facilitative sharing of information and a report, in a manner that is nonintrusive, non-punitive and respectful of national sovereignty and the level of support received from developed country Parties.\

8. The CMA shall, at its first session, building on experience from the arrangements under the Convention, and elaborating on the provisions in this Article, adopt common modalities and guidelines, as appropriate, for the transparency of action and support. {Placeholder for the outcomes of discussion on accounting}\

9. The transparency arrangements under the Convention, including national communications, biennial update reports, international assessment and review (IAR) and international consultation and analysis (ICA), shall form part of the experience drawn upon for the development of modalities and guidelines under paragraph 8 of this Article.\

10. Support shall be provided to developing countries for the implementation of paragraph 8.\

11. Developed country Parties shall provide support to developing country Parties in the implementation of this Article. {to be revised pending global solution in Article 6}\

12. Support shall also be provided for the building of transparency-related capacity on a continuous basis.\

Article 10 (GLOBAL STOCKTAKE)\

1. The CMA shall periodically take stock of the implementation of this Agreement to assess progress towards achieving the purpose of this Agreement and its long-term goals. It shall do so in a facilitative manner, considering mitigation, adaptation and the means of implementation, and the state of the best available science [and equity].\

2. The CMA shall undertake its first global stocktake in [2023][2024] and every five years or otherwise decided by the CMA.\

3. The outcome of the stocktake shall guide and inform Parties in updating and enhancing their nationally determined contributions in a nationally determined manner, in accordance with the relevant provisions of this Agreement, and enhancing international cooperation for climate action.\

Article 11 (FACILITATING IMPLEMENTATION AND COMPLIANCE)\

1. A mechanism to facilitate implementation of [and promote compliance with] the provisions of this Agreement hereby established.\

2. The mechanism referred to in paragraph 1 of this Article shall consist of a commitment-based and facilitative in nature and function in a manner that is transparent, non-adversarial

committee shall pay particular attention to the respective national capabilities and .
The committee shall operate under modalities and procedures adopted by the CMA at its
annually to the CMA.\

Article 12 (CMA)\

1. The Conference of the Parties, the supreme body of the Convention, shall serve as
this Agreement.\

2. Parties to the Convention that are not Parties to this Agreement may participate as
of any session of the Conference of the Parties serving as the meeting of the Parties
Conference of the Parties serves as the meeting of the Parties to this Agreement, dec
shall be taken only by those that are Parties to this Agreement.\

3. When the Conference of the Parties serves as the meeting of the Parties to this Ag
Bureau of the Conference of the Parties representing a Party to the Convention but, at
this Agreement, shall be replaced by an additional member to be elected by and from an
Agreement.\

4. The CMA shall keep under regular review the implementation of this Agreement and sh
mandate, the decisions necessary to promote its effective implementation. It shall per
to it by this Agreement and shall:\

(a) Establish such subsidiary bodies as deemed necessary for the implementation of th

(b) Exercise such other functions as may be required for the implementation of this Ag

5. The rules of procedure of the Conference of the Parties and the financial procedur
Convention shall be applied mutatis mutandis under this Agreement, except as may be o
consensus by the CMA.\

6. The first session of the CMA shall be convened by the secretariat in conjunction w
Conference of the Parties that is scheduled after the date of entry into force of thi
ordinary sessions of the CMA shall be held in conjunction with ordinary sessions of th
decided by the CMA.\

7. Extraordinary sessions of the CMA shall be held at such other times as may be deem
at the written request of any Party, provided that, within six months of the request
Parties by the secretariat, it is supported by at least one third of the Parties.\

8. The United Nations, its specialized agencies and the International Atomic Energy Ag
member thereof or observers thereto not party to the Convention, may be represented a
observers. Any body or agency, whether national or international, governmental or non-
qualified in matters covered by this Agreement and which has informed the secretariat
represented at a session of the CMA as an observer, may be so admitted unless at least
present object. The admission and participation of observers shall be subject to the
in paragraph 5 of this Article.\

Article 13 (SECRETARIAT)\

1. The secretariat established by Article 8 of the Convention shall serve as the secr

2. Article 8, paragraph 2, of the Convention on the functions of the secretariat, and
Convention on arrangements made for the functioning of the secretariat shall apply mu
Agreement. The secretariat shall, in addition, exercise the functions assigned to it
the CMA.\

Article 14 (SBSTA AND SBI)\

1. The Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body
(SBI) established by Articles 9 and 10 of the Convention shall serve, respectively, as
Scientific and Technological Advice and the Subsidiary Body for Implementation of thi
provisions of the Convention relating to the functioning of these two bodies shall app
Agreement. Sessions of the meetings of the Subsidiary Body for Scientific and Technol

Subsidiary Body for Implementation of this Agreement shall be held in conjunction with the sessions of the Convention, respectively, the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of the Convention.\

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in any session of the subsidiary bodies. When the subsidiary bodies serve as the subsidiary bodies for this Agreement, decisions under this Agreement shall be taken only by those that are Parties to this Agreement.\

3. When the subsidiary bodies established by Articles 9 and 10 of the Convention exercise their functions in regard to matters concerning this Agreement, any member of the bureaux of those subsidiary bodies shall be a Party to the Convention but, at that time, not a Party to this Agreement, shall be eligible to be elected by and from among the Parties to this Agreement.\

Article 15 (BODIES AND INSTITUTIONAL ARRANGEMENTS TO SERVE AGREEMENT)\

1. Subsidiary bodies or other institutional arrangements established by or under the Convention and referred to in this Agreement, shall serve this Agreement upon a decision of the CMA. The CMA shall determine the functions to be exercised by such bodies or arrangements.\

2. The CMA may provide further guidance to those subsidiary bodies and institutional arrangements to be exercised by such bodies and institutional arrangements] [including for the purpose of and institutional arrangements nominated by Parties to the Convention that are not Parties to this Agreement to the extent that these bodies and institutional arrangements serve this Agreement].\

Article 16 (SIGNATURE AND INSTRUMENTS OF RATIFICATION, ACCEPTANCE, APPROVAL OR ACCESSION)\

1. This Agreement shall be open for signature and subject to ratification, acceptance, approval or accession by regional economic integration organizations that are Parties to the Convention. It shall be open for signature at the United Nations Headquarters in New York from 22 April 2016 to 21 April 2017. Thereafter, it shall be open for accession from the day following the date on which it is closed for signature. Ratification, acceptance, approval or accession shall be deposited with the Depositary.\

2. Any regional economic integration organization that becomes a Party to this Agreement shall be bound by all the obligations under this Agreement. If a regional economic integration organization with one or more member States that are Parties to this Agreement becomes a Party to this Agreement, the organization and its member States shall decide on their respective responsibilities and obligations under this Agreement. In such cases, the organization and the member States shall exercise rights under this Agreement concurrently.\

3. In their instruments of ratification, acceptance, approval or accession, regional economic integration organizations shall declare the extent of their competence with respect to the matters covered by this Agreement. These organizations shall also inform the Depositary, who shall in turn inform the Parties to this Agreement of any substantial modification in the extent of their competence.\

Article 18 (ENTRY INTO FORCE)\

1. This Agreement shall enter into force on the thirtieth day after the date on which the Convention have deposited their instruments of ratification, acceptance, approval or accession, provided that not less than 1 January 2020].\

2. For each State or regional economic integration organization that ratifies, accepts, approves or accedes thereto after the condition set out in paragraph 1 of this Article for entry into force, this Agreement shall enter into force on the thirtieth day after the date of deposit of its instrument of ratification, acceptance, approval or accession.\

3. For the purposes of paragraph 1 of this Article, any instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by its member States.\

Article 19 (AMENDMENTS)\

1. The provisions of Article 15 of the Convention on the adoption of amendments to the Convention shall apply mutatis mutandis to this Agreement.\

2. [Notwithstanding paragraph 1 of this Article, a Party may propose an adjustment [f]

expressed by its [mitigation commitment] inscribed in] Annex [X] to this Agreement. A adjustment shall be communicated to the Parties by the secretariat at least three months before the CMA at which it is proposed for adoption.]\

3. [An adjustment proposed by a Party [to enhance] the efforts expressed by its [mitigation commitment] in Annex [X] to this Agreement shall be considered adopted by the CMA unless more than two-thirds of the Parties present and voting object to its adoption. The adopted adjustment shall be communicated by the secretariat to the Depositary, who shall circulate it to all Parties, and it shall enter into force one year following the communication by the Depositary. Such adjustments shall be binding on the Parties.]\\ Article 20 (ANNEXES)\\

1. Annexes to this Agreement shall form an integral part thereof and, unless otherwise provided, a reference to this Agreement constitutes at the same time a reference to any annexes thereto of a procedural or administrative character\\

The provisions of Article 16 of the Convention on the adoption and amendment of annexes shall apply mutatis mutandis to this Agreement.\\

Article 21 (SETTLEMENT OF DISPUTES)\\

The provisions of Article 14 of the Convention on settlement of disputes shall apply mutatis mutandis to this Agreement.\\

Article 22 (VOTING)\\

1. Each Party shall have one vote, except as provided in paragraph 2 of this Article.\\

2. Regional economic integration organizations, in matters within their competence, shall exercise their right to vote with a number of votes equal to the number of their member States that are Parties to this Agreement. An organization shall not exercise its right to vote if any of its member States exercises its right.\\ Article 23 (DEPOSITARY)\\

The Secretary-General of the United Nations shall be the Depositary of this Agreement.

Article 24 (RESERVATIONS)\\

No reservations may be made to this Agreement.\\

Article 25 (WITHDRAWAL)\\

1. At any time after three years from the date on which this Agreement has entered into force, any Party may withdraw from this Agreement by giving written notification to the Depositary.\\

2. Any such withdrawal shall take effect upon expiry of one year from the date of receipt of the notification of withdrawal, or on such later date as may be specified in the notification.\\

3. Any Party that withdraws from the Convention shall be considered as also having withdrawn from this Agreement.\\

Article 26 (LANGUAGES)\\

The original of this Agreement, of which the Arabic, Chinese, English, French, Russian and Spanish texts are equally authentic, shall be deposited with the Secretary-General of the United Nations.

In [80]: UN_draft3=""A. DRAFT AGREEMENT\\

[The Parties to this Agreement,\\

Pp1 Being Parties to the United Nations Framework Convention on Climate Change (hereinafter referred to as the "Convention"),\\

Pp2 In pursuit of the objective of the Convention, and being guided by its principles and common but differentiated responsibilities and respective capabilities, in the light of the current circumstances,\\

Pp3 Pursuant to the Durban Platform for Enhanced Action established by decision 1/CP.17 of the Parties to the Convention at its seventeenth session,\\

Pp4 Recognizing the intrinsic relationship between climate change, poverty eradication and sustainable development, and reaffirming that responses to climate change should aim to

and concerns arising from the adverse impacts of response measures,\

Pp5 Taking account of the specific needs of developing country Parties, and especially vulnerable to climate-related events,\

Pp6 Taking account also of the specific needs and special situations of the least developed set out in Article 4, paragraph 9, of the Convention, and the specific circumstances of States (SIDS),\

Pp7 Emphasizing the need to respond to the urgent threat of climate change on the basis of scientific knowledge, in particular, the assessment reports of the Intergovernmental Panel on Climate Change,\

Pp8 [Noting that the largest share of historical global emissions of greenhouse gases have come from developed countries, that per capita emissions in developing countries are still relatively low and that emissions originating in developing countries will grow to meet their social and development needs],\

Pp9 [Recognizing that Parties should take action to address climate change in accordance with the best available science and emission trends, which will continue to evolve post-2020,]\

Pp10 Emphasizing the importance of promoting, protecting and respecting all human rights, including the right to health, and the rights of indigenous peoples, migrants, children, persons with disabilities and other vulnerable climate situations [, and under occupation,] as well as promoting gender equality and empowerment of women, while taking into account the needs of local communities, intergenerational concerns, and the integrity of ecosystems and of Mother Earth, when taking action to address climate change,\

Pp11 Taking into account the imperatives of a just transition of the workforce and the creation of decent quality jobs in accordance with nationally defined development priorities,\

Recognizing the fundamental priority of safeguarding food security and ending hunger, and the vulnerabilities of food production systems to the adverse impacts of climate change,\

Pp13 Also recognizing the importance of the conservation and enhancement, as appropriate, of sinks of greenhouse gases referred to in Article 4, paragraph 1(d), of the Convention, including through agreed approaches [such as REDD-plus and the joint mitigation and adaptation approach for land, forestry and other uses], and of their non-carbon co-benefits,\

Pp14 Affirming the importance of education, training, public awareness, public participation, information and cooperation at all levels on the matters addressed in this Agreement, and the importance of engagements of all levels of government and various actors, in accordance with national legislations of Parties, in addressing climate change,\

Have agreed as follows:\

Article 1 (DEFINITIONS)\

For the purposes of this Agreement, all definitions contained in Article 1 of the Convention shall apply.

Article 2 (PURPOSE)\

1. The purpose of this Agreement is [to enhance the implementation of the Convention and to achieve the objective of the Convention as stated in its Article 2]. In order to strengthen the global response to climate change, Parties agree to take urgent action and enhance cooperation and support to achieve the following:\

(a) To hold the increase in the global average temperature [below 1.5 °C] [or] [well below 2 °C] to levels by ensuring deep reductions in global greenhouse gas [net] emissions;\

(b) To Increase their ability to adapt to the adverse impacts of climate change [and to reduce the impacts of the implementation of response measures and to loss and damage];\

(c) To pursue a transformation towards sustainable development that fosters climate resilience, sustainable greenhouse gas emission societies and economies, and that does not threaten food production and food distribution.\

2. [This Agreement shall be implemented on the basis of equity and science, and in accordance with the principle of equity and common but differentiated responsibilities and respective capabilities, taking into account national circumstances, and on the basis of respect for human rights and the promotion of the right of peoples under occupation].\

Article 2bis (GENERAL)\

1. [All Parties [shall] regularly prepare, communicate [and implement] [intended] national [contributions][components] [on [mitigation] and adaptation] [undertakings in adaptation of implementation]2\

[towards achieving the [purpose of this Agreement as set out in Article 2 of the Convention] [objective of the Convention as set out in its Article 2],] [in accordance with Article 2] in accordance with the provisions of this Agreement, including the specific provisions relating to adaptation and means of implementation.]]\

2. [Each Party's [intended] nationally determined contribution will represent a progression of differentiated responsibilities and commitments under the Convention.]\

3. [The extent to which developing country Parties will effectively implement this Agreement will be determined by the effective implementation by developed country Parties of their commitments on the provision of financial resources, technology development and transfer and capacity-building.] \

4. [Successive [intended] nationally determined contributions will be [informed by the outcome of the global stocktake as defined in Article 10 of the Convention] and communicated before the expiration of the [intended] nationally determined contribution by the Party concerned.]\

Article 3 (MITIGATION)\

{Collective long-term goal}\

1. [Parties [collectively][cooperatively] aim to reach the global temperature goal resulting from the Paris Agreement.]

(a) [A peaking of global greenhouse gas emissions as soon as possible[, recognizing that this will require deeper cuts of emissions of developed countries and will be longer for developing countries].]

(b) [Rapid reductions thereafter [in accordance with best available science] to at least halve the global reduction in global [greenhouse gas emissions][CO₂[e]] compared to 20XX levels by 2050].]

(c) [Achieving zero global GHG emissions by 2060-2080]\

(d) [A long-term low emissions transformation] [toward [climate neutrality][decarbonization] by the end of the course of this century] [as soon as possible after mid-century];\

(e) [Equitable distribution of a global carbon budget based on historical responsibilities and respective capabilities, on the basis of equity and common but differentiated responsibilities and respective capabilities, in the context of sustainable development and eradication of poverty][while ensuring that food security and sustainable livelihoods distribution is not threatened][informed by the best available science].\

1bis. [To achieve this, policies and measures should take into account different social conditions, be comprehensive, cover all relevant sources, sinks and reservoirs of greenhouse gases and land use, and comprise all economic sectors [for developed countries]]\

{Individual efforts}\

2. Each Party shall regularly prepare, communicate [and maintain] [successive] ###3\ and [shall][should][other]\

[take appropriate domestic measures] [have in place][identify and] [pursue] [implement] [nationally determined] policies or other measures] [designed to] [implement][achieve] [the implementation of] its ###.\

[Possible placeholder for Article 3.8 and 3.9]\

[Possible placeholder for context CBDR&RC[, in the light of different national circumstances].]

[Possible placeholder referring to article 4 of the Convention]\

[Possible placeholder for support]\

{Differentiated efforts}\

Option 1:\

3. In accordance with Article 4, paragraph 2, of the Convention, developed country Parties included in Annex I shall undertake quantified economy-wide absolute emission reduction commitments/targets, which are comparable, measurable, reportable and verifiable, covering

and are implemented domestically without any conditions.\

3bis. In accordance with Article 4, paragraphs 1, 3, 4, 5 and 7, of the Convention, developed country Parties shall undertake diversified enhanced mitigation actions/efforts in a measurable, reportable and verifiable manner in the context of sustainable development and supported and enabled by the provision of financial resources, technology and capacity-building by developed country Parties.\

Option 2:\

3. Option (a): Each Party that has previously [communicated] [implemented] absolute emission reduction or limitation targets should continue to do so and all Parties should aim to achieve such targets.\

Option (b): Developed country Parties [and other Parties [in a position][that determine the lead in mitigation efforts, including by [communicating] [and implementing] absolute emission reduction [or limitation] targets and all other Parties should aim to do so over time.\

3bis. [Developed country Parties should continue to take the lead].4\

{Flexibility}\

4. LDCs [and SIDS][and African states] may communicate their ### at their discretion, including their strategies, plans and actions for low GHG development, reflecting their special circumstances.\

{Support}5\

(moved up)\

5. Option 1: Developed country Parties and other developed Parties included in Annex I shall provide new and additional financial resources, technology and capacity-building to meet the agreed full costs incurred by developing country Parties in fulfilling their obligations under this Article.\

Option 2: Developing country Parties6\

are eligible for support in the implementation of this Article.\

Option 3: The extent to which developing country Parties will effectively implement their commitments shall depend on the effective implementation by developed country Parties of their commitments to provide financial resources, transfer of technology and capacity-building.\

{Progression/ambition}\

6. Each Party's successive ### [shall][should][will] represent a progression beyond the previous one, which should reflect its highest possible ambition [based on common but differentiated responsibilities and respective capabilities [[and] in light of different national circumstances [and best available science, technology and finance, technology and capacity-building to developing countries]].7\

{Information}\

7. [In communicating their ###, all Parties shall provide the information necessary for a full understanding in accordance with decision 1/CP.21 and any subsequent decisions of the Conference of the Parties].8\

{Features}8\

}\

8. [Option 1: Each Party's ### [shall][should] be quantified or quantifiable, [be unconditional], and shall maintain coverage of emissions and removals covered previously, and strive for coverage of all sources of emissions and removals over time. Additional guidance may be elaborated by decision [of the CMA].\

[Option 2: Each Developed country Party's ### shall be quantified, cover all key categories of sources and removals by sinks and use common Intergovernmental Panel on Climate Change guidelines and guidelines for the estimation of greenhouse gas emissions and removals; and shall communicate this over time. Additional guidance may be elaborated by the [CMA] [APA].\

[Option 3: Guidance on the features of ### to be elaborated by decision [of the CMA].\

[Option 4: Guidance on the features of ### to be elaborated by decision of the CMA at its first session.\

{Timing}\

{First communication}\

9. Each Party [shall][should] communicate its first ### no later than [upon ratification of the Convention].\

joining] this Agreement.\

{Subsequent communication}\

10. Option 1: Successive ### shall be communicated by Parties after completion of the cycle.\

Option 2: Each Party shall [communicate its successive][, update or confirm its] ### on a synchronized basis] [, taking into account the outcomes of the global stocktake referred to in Article 10, paragraph 1, and the CMA process].\

11. [Each Party shall submit an intended ### [x months prior to][well before] the final communication]. [Each Party shall participate in a [preparatory] process that [facilitates][promotes] clarity, transparency and consistency of the intended ###, including their aggregate effect in the light of the long-term temperature goal set out in Article 2, including through the production of an aggregate synthesis report. The [preparatory] process shall be conducted in accordance with the modalities and procedures to be adopted by the CMA at its first session].\

12. A Party may at any time adjust its existing ### with a view to enhancing its level of ambition, consistent with the simplified adjustment procedure referred to in Article 19, paragraph 3]. [Adjustment of ambition levels may only be communicated in case the [developing country] Party's efforts are significantly affected by an extreme natural event, economic shock or force majeure.][Developing countries may adjust their ### at their discretion depending upon the adequacy and availability of financial resources and transfer and capacity-building support.]\

{Housing}\

13. Option 1: [The ### communicated by Parties shall be [listed][published] [in an online format][in the secretariat][in Annex [X] to this Agreement][on the UNFCCC website].]\

Option 2: [The ### communicated by developed country Parties shall be inscribed in Annex A to this Agreement].\

The ### communicated by developing country Parties shall be inscribed in Annex B to this Agreement].\

{Accounting} 10\

14. [Option 1: [In the context of of][In tracking progress towards achieving] ###, each Party shall account decision 1/CP.21 and any future guidance [elaborated for this purpose and agreed by the CMA [at its [x][first] session][and may be amended by any subsequent decisions of the CMA]. [The CMA shall ensure that the accounting of anthropogenic emissions and removals included in its ###, [promote][apply the principles of] transparency, accuracy, [completeness], [comparability], and consistency, and [avoid double counting] where internationally transferred mitigation outcomes are used to avoid double counting and ensure the environmental integrity of the agreement].]\

[Option 2: In tracking progress towards achievement of their ###, Parties shall apply the principles of transparency, accuracy, completeness, comparability, consistency, avoidance of double counting and ensure the environmental integrity, as further elaborated in [para x] decision 1/CP.21 and any future guidance developed under paragraph 14(a) below. Furthermore:

(a) The CMA shall, at its first session, adopt the principles and guidance for tracking progress towards achievement of their ### with respect to [land use], and internationally transferred mitigation outcomes in accordance with decision 1/CP.21. Such principles and guidance shall apply to ### to be communicated for subsequent sessions. Parties may elect to apply such guidance to their first ###;\

(b) Parties shall ensure methodological consistency between the definition of the ### and the accounting of emissions and removals with respect to paragraph [X] above;\

(c) Parties shall report on progress towards achievement of their ### in accordance with decision 1/CP.21, [para x] decision 1/CP.21.\

(d) Parties shall ensure that internationally transferred mitigation outcomes used to avoid double counting are additional and verified, and are not double-counted.]\

{Methods and guidance}\

15. [Option 1: In the context of their ###, when recognizing and implementing mitigation of anthropogenic emissions and removals [including from [land use] [or REDD-plus]], Parties shall [build on] existing methods and guidance under the Convention and from the IPCC.\

Option 2: In elaborating guidance further to paragraph 10 with respect to anthropogenic emissions from [land use], including forests, Parties shall take into account any relevant decisions adopted by the [CMA] [APA] at its [x] session.]\

{Response measures}\

[Preamble: Parties acknowledge the importance of cooperation, including around economic activities, and the adverse impacts of the implementation of response measures.]\

16. [[Parties shall give full consideration to what actions are necessary under this Agreement to address the needs and concerns of developing country Parties arising from the impact of the implementation of response measures, including in terms of economic diversification, and taking into consideration that economic and social and economic development are the first and overriding priorities of developing countries. Parties agree to enhance actions under this Agreement, including through strengthening existing and new arrangements, and to adopt modalities and procedures for enhancing those arrangements. Parties shall establish a cooperative mechanism to address the adverse impacts of the implementation of response measures on developing country Parties, as included in decision -/CP.21.]]\

{Unilateral measures}\

17. [[Developed country Parties shall not resort to any form of unilateral measures against developing country Parties on any grounds related to climate change, recalling the principles of the Convention, in particular its Article 3, paragraphs 1, 4 and 5, and Article 4, paragraph 1, and taking into account the principles of equity, common but differentiated responsibilities and the need for developed country Parties to provide financial resources, transfer of technologies and capacity-building to developing country Parties.]]\

{REIOs}\

18. [Parties, including regional economic integration organizations and their member States, shall communicate and[/or] implement their ### [detailing in their joint communication the commitments of each member State at individual levels of the ### of each member State of that regional economic integration organization] acting jointly do so in the framework of, and together with, a regional economic integration organization. Any alteration in the composition of the organization after adoption of this Agreement shall apply to those commitments under Article 3 that are adopted subsequent to that alteration. If Parties implement their ### in the framework of, and together with, a regional economic integration organization, each member State of that regional economic integration organization, individually and together with the regional economic integration organization shall, in order to achieve the total combined level of ###, be responsible for the level of its ### as commensurate with this Article.] \

19. Parties acknowledge the importance of [cooperation in] [cooperative approaches for] [enhancing the ambition of climate action [at the international level]].\

19alt. Parties may also cooperate in the implementation of ###.\

[19bis. Where cooperative approaches involve the use of internationally transferred mitigation units, Parties participating shall [safeguard] [promote] sustainable development and environmental integrity and apply robust accounting to ensure, inter alia, that double counting is avoided, taking into account guidance adopted for this purpose by the CMA [taking into account guidance adopted at the 19th session of the CMA].\

[19ter. A share of proceeds for adaptation shall apply.]\

Option 2:\

19. Cooperative approaches of Parties, based on Article 4.7 of the Convention, must ensure

mitigation outcomes together with adaptation co-benefits to be verified international. {International transport emissions}\

20. [Parties [shall][should][other] pursue the limitation or reduction of greenhouse gas emissions from international aviation and marine bunker fuels, working through the International Civil Aviation Organization and the International Maritime Organization, respectively, with a view to agreeing concrete measures to reduce such emissions, including developing procedures for incorporating emissions from international aviation and shipping into low-emission development strategies.]\

[Article 3 bis] (REDD-PLUS)\

1. [Mechanisms for forest mitigation and adaptation are] [A REDD-plus mechanism is] hereby established.\

2. The REDD-plus mechanism consists of relevant decisions of the COP, including decisions on forest management and decision -/CP.21.\

3. The purpose of the REDD-plus mechanism shall be to incentivize the reduction of greenhouse gas emissions from deforestation and forest degradation and to promote the conservation and sustainable management of forests and of forest carbon stocks in developing countries, while enhancing the non-carbon benefits and the social and economic functions of forests, including alleviating poverty and building ecosystem resilience.\

4. [The Joint Mitigation and Adaptation Mechanism (JMA) is established to support the management of forests as an alternative to results-based payments, in accordance with the guidance of the COP, and to ensure that the management of forests is consistent with the sustainable development goals.] [Article 3 ter12] (MECHANISM TO SUPPORT SUSTAINABLE DEVELOPMENT)\

{Proposed Mechanism 1}\

1. [[Establishes a multi window mechanism][Establishes a framework for sustainable development mechanism to support sustainable development in [developing country] Parties is hereby established.] [The mechanism, under the authority and guidance of the CMA, shall be supervised by a body designated by the CMA.]

(a) Promote sustainable development in developing country Parties;\

(b) Incentivise and facilitate participation in mitigation action by public and private entities in developing country Parties;\

(c) [Enhance mitigation ambition by developing country Parties, by incentivising support for climate action, beyond their ###] [Fully respect the mitigation contributions of parties and ensure that the global mitigation effort is not undermined];\

(d) [Provide for net global emission reductions through the cancellation of a share of emissions that have been transferred, used or acquired];\

(e) [Assist Parties with a ### that reflects an absolute target in relation to a base level of emissions, through the use of mitigation outcomes from mitigation activities in developing countries, taking into account the variety and dynamics of national circumstances of Parties];\

(f) [Ensure environmental integrity of Parties cooperative mitigation actions, including that no double counting of mitigation shall not be claimed more than once, in accordance with accounting guidance of the COP.] [Article [3.10]].]\

2. [The CMA shall ensure that a share of the proceeds from certified project activities shall be used to cover administrative expenses as well as to assist developing country Parties that are particularly vulnerable to the adverse effects of climate change to meet the costs of adaptation.]\

3. [The CMA shall adopt modalities and procedures for the first window of the above mechanism, building on the mechanism defined under [Article 12][Article 6] of the Kyoto Protocol and consistent with the CMP.]\

{Proposed Mechanism 2}\

1. [Establishes a mechanism to support holistic and integrated approaches to sustainable development, including with nature to be available to assist developing country Parties in fulfilling their commitments under the Paris Agreement in a manner mitigation, adaptation, provision of finance, technology transfer and capacity building.] [The mechanism shall be under the authority and guidance of the CMA, and shall be supervised by a body designated by the CMA, and aim to:]

(a) Enhance of mitigation and adaptation ambition and the provision or mobilization of technology transfer and capacity building in an integrated manner for climate action;\

(b) Enhance non-market-based approaches and enable participation in joint cost-effective adaptation actions by public and private entities acting under the responsibility of a;\

(c) Support the implementation of the joint mitigation and adaptation approach for the sustainable management of forests as an alternative policy approach to results-based p;\

(d) Fully respect mitigation contributions of participating Parties to ensure that the not undermined.]\

2. [The CMA shall adopt modalities and procedures for the mechanism referred above on Article 4 (ADAPTATION)]\

1. Parties hereby establish the global goal of enhancing adaptive capacity, strengthening vulnerability to climate change, [in accordance with the objective, principles and provisions, including common but differentiated responsibilities and respective capabilities,] with sustainable development] [and] [ensuring adaptation in the context of the goal of holding global average temperature [below 2 řC][below [2 or] 1.5 řC] referred to in Article 2].\

2. Parties recognize that adaptation is a global challenge faced by all with local, sub-national, international dimensions, and that it is a key component of and contribution to the local climate change to protect people, livelihoods and ecosystems[, taking into account the needs of those developing countries that are particularly vulnerable].\

3. [The global goal for adaptation shall be the basis for, inter alia:\

(a) Assessment of the adequacy of support from developed country Parties to developing countries. This assessment will be undertaken through strengthened measurement, reporting and verification support;\

(b) Recognition of the adaptation efforts of developing country Parties;\

(c) Recognition of increased adaptation needs and associated costs in the light of mitigation, into account the need for adaptation regardless of the level of mitigation reached, and into account the relationship between aggregate mitigation ambition, associated climate change, adaptation needs and cost, while recognizing there are limits to adaptation.]\

4. [Parties recognize that adaptation [will][may] be needed regardless of the level of mitigation, and that greater aggregate levels of mitigation can reduce the need for additional adaptation actions].\

5. Parties acknowledge that adaptation action should follow a country-driven, gender-responsive, fully transparent approach, taking into consideration [human rights,][the rights of people, particularly vulnerable groups, communities and ecosystems, and should be based on and guided by the latest science and, as appropriate, traditional, indigenous peoples knowledge and local knowledge, with a view to integrating adaptation into relevant socioeconomic and environmental policies and plans, as appropriate].\

6. Parties further recognize the importance of international cooperation and support in addressing the importance of taking into account the needs of those developing countries that are particularly vulnerable, recognizing the particular vulnerabilities of the least developed countries (LDCs) and small island developing States (SIDS).]\

7. Parties [shall][should] enhance their cooperation for enhancing action on adaptation, including the Cancun Adaptation Framework, including with regard to:\

(a) Sharing information, good practices, experiences and lessons learned, including, as appropriate, those that relate to the science, planning, policies and implementation of adaptation actions;\

(b) Strengthening institutional arrangements, including those under the Convention, to facilitate the exchange of relevant information and knowledge and the provision of technical support and guidance;\

(c) Strengthening scientific knowledge on climate, including research and systematic observation of the climate system, in a manner that informs the development and delivery of climate services;\

decision-making;\

(d) [Assessment of the [effectiveness][adequacy] of support [referred to in paragraph 7 of this Article] with a view to ensuring transparency and accountability;]\

(e) Assisting [developing] country Parties to identify effective adaptation practices and priorities, support provided and received for adaptation actions and efforts, and challenges in a manner consistent with encouraging good practices;\

(f) Improving the effectiveness and durability of adaptation actions.\

8. Encourages United Nations agencies to support the efforts of Parties to implement the provisions of paragraph 7 of this Article, taking into account the provisions of paragraph 5 of this Article;\

9. Each Party should engage in the implementation of adaptation planning processes and the development or enhancement of relevant plans, policies and/or contributions, which may include:\

(a) Implementation of adaptation actions, undertakings and/or efforts;\

(b) The process to formulate and implement national adaptation plans;\

(c) Assessment of climate change impacts and vulnerability with a view to formulating and prioritizing actions, taking into account vulnerable people, places and ecosystems;\

(d) Strengthening enabling environments for the implementation of adaptation;\

(e) Monitoring, evaluating and learning from adaptation plans, policies, programmes and actions;\

(f) Building resilience of socioeconomic and ecological systems, including through ecosystem management and sustainable management of natural resources.\

10. Each Party may submit an adaptation communication [or communications on actions, undertakings and/or efforts on adaptation referred to in paragraph 9(a) and (b) of this Article], which may include information on needs, plans and actions.\

11. The adaptation communication [or communications on actions, undertakings and/or efforts on adaptation referred to in paragraph 10 of this Article] may be:\

(a) Submitted independently, as a component of or in conjunction with another communication, or as part of a national adaptation plan[, an intended] nationally determined contribution and/or a national communication;\

(b) Updated or submitted [periodically] [in conjunction with mitigation cycles].\

12. [The adaptation communication [or communications on action, undertakings and/or efforts on adaptation referred to in paragraph 10 of this Article] [shall][may] be [recorded in a registry] [in the secretariat [on the UNFCCC website]] [in accordance with modalities to be decided by the Parties at its first session].]\

13. [Developing country Parties should receive continuous and enhanced international support for the implementation of Article 4, paragraphs 9-11, in accordance with the provisions of Article 12.]\

14. [There shall be a [high-level session][global stocktake] on adaptation every [X] years, which shall [enhance the implementation of adaptation action based on the adaptation communication] [on action, undertakings and/or efforts on adaptation] referred to in paragraph 9 of this Article, and the adequacy of support and recognizing the adaptation efforts of developing country Parties].\ [to be adopted by the [CMA][CMP] at its first session.]\

15. [[The AC, the LEG, the AF, the GCF, the LDCF, the SCCF, the TEC, the CGE, and other entities][institutional arrangements for adaptation] under the Convention shall serve the Parties and shall, based on a review of institutional arrangements under the Convention, further develop a framework for this Agreement in order to enhance its coherence and effectiveness, build on existing and coordinating institutional arrangements relevant to adaptation under the Convention].\ Suggested paragraphs for Article 6:\

X. [[Developed country Parties][Parties included in Annex II to the Convention] shall provide financial support to developing country Parties with long-term, scaled-up, predictable, new and additional finance, technology and capacity-building support for the implementation of Article 4, paragraphs 9, 10 and 11[, in accordance with [the relevant provisions of the Convention]].]\

of the Convention,] recognizing the urgent and immediate needs and special circumstances of developing country Parties, especially those that are particularly vulnerable.]\

Y. [Developed country Parties shall communicate on their provision of support to developing country Parties.]\

Article 5 (LOSS AND DAMAGE)\

Option I: The following text to be included as Article 5 (Loss and Damage)\

Option II: The following text to be part of Article 4 alongside adaptation provision\

1. [The Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts shall serve this Agreement.]\

2. Upon the completion of its review at the twenty-second session of the COP, the Warsaw International Mechanism shall be subject to the authority and guidance of the CMA and supported through the Warsaw Mechanism of the Convention.]\

3. A climate change displacement coordination facility shall be established under the Warsaw International Mechanism [CMA] to help coordinate efforts to address climate change induced displacement, including planned relocation.]\

4. A process to develop approaches to address irreversible and permanent damage resulting from climate change will be initiated under the [Warsaw International Mechanism] [CMA] with the goal of completing this process within four years.]\

Article 6 (FINANCE)\

1. Option 1: [Over time, finance flows should be consistent with [the transformation to sustainable and climate-resilient [societies and economies][development], in the context of countries' sustainable development priorities and efforts to eradicate poverty.]\

Option 2: [Climate finance, as defined in Article 1 of this Agreement, shall be provided by developed country Parties and other Parties included in Annex II of the Convention in the context of development, taking into account needs, sustainable development priorities, food security and efforts to eradicate poverty.]\

2. Option 1: [[Developed country Parties [and other developed country Parties included in Annex II of the Convention][and Parties in a position to do so] [should take the lead and]] [All Parties included in Annex II of the Convention] [shall][should][other] provide [support][[new and additional] financial resources] to support the efforts of developing countries with respect to both mitigation and adaptation [as well as addressing loss and damage] [in a position to do so should complement such efforts].]\

Option 2: [Developed country Parties and other developed Parties included in Annex II of the Convention shall provide new and additional, adequate, predictable, accessible, sustained and scaled-up climate finance to support developing countries to enhance actions with respect to both mitigation and adaptation, contributing to the achievement of the [objective][purpose] of this Agreement, based on the principles and provisions of the Convention.]\

Option 3: [Parties in a position to do so, including developed country Parties, should provide support to developing country Parties in need of support with respect to both mitigation and adaptation.]\

3. [Parties should integrate climate considerations, including resilience, into international cooperation.]\

4. Option 1: [All Parties shall take action to mobilize, and/or facilitate the mobilization of climate finance, with their respective and evolving responsibilities and capabilities. Some Parties may take action.]\

[The actions taken by Parties in the mobilization of climate finance shall reflect and take into account future changes in needs, developments and environmental and economic realities, reflecting the respective responsibilities and responsibilities.]\

Option 2: [Developed country Parties and other Parties included in Annex II to the Convention shall provide financial resources beyond their previous efforts, supporting country-driven strategies and policies that address the needs and priorities of developing country Parties.]\

Option 3: [As part of a shared effort, Parties should cooperate to promote the mobilization of climate finance from a wide variety of sources, instruments and channels, including public, private, multilateral, and other sources.]\

domestic, and international.]\

5. [Parties should strive to improve enabling environments and policy frameworks to a

6. [Parties should mobilize enhanced results-based payments for verifiable achieved en
existing approaches under the Convention.]\

7. [Parties should reduce international support for high-emission [and maladaptive] in
international support for low-emission and climate-resilient investments.]\

8. [Parties recognise that the appropriate pricing of greenhouse gas emissions in its
instrument for the reorientation of investment and finance flows consistent with a pa
and climate resilient economies and societies.] {Placement proposal: to be moved to s

9. Option 1: [Parties recognize the role of a wide variety of sources, public and pri
including alternative sources.]\

Option 2: [Public funds from developed country Parties, distinct from Official Develop
the main source of finance [indemnization mechanism based on historical responsibilit
include a wide variety of sources, public and private, bilateral and multilateral, in
the mobilization of finance from various sources, Parties shall abide by the principl
avoid incidence on developing country Parties[, particularly disguised distortions to
10. Option 1: [The mobilization of climate finance [shall][should][other] be scaled up
transparent manner] [beyond previous efforts] [from USD 100 billion per year] from 20
important role of the Green Climate Fund in the scaling up of financial resources for
agreement, as well as other multilateral mechanisms and other efforts].]\

Option 2: [The provision and mobilization of financial resources by developed country
developed Parties included in Annex II shall represent a progression beyond their prev
achieving short-term collective quantified goals for the post 2020 period to be perio
reviewed. Financial resources shall be scaled up from a floor of US\$100 billion per ye
burden-sharing formula, and in line with needs and priorities identified by developin
context of contributing to the achievement of the [objective][purpose] (Article 2/XX)
take into account an equitable regional distribution of financial resources and a gen
include the implementation of Articles 5 and 6 of the Convention.]\

Option 3: [As part of a shared mobilization effort Parties should, in accordance with
the scale and effectiveness of climate finance by: mobilizing climate finance from a v
and channels; provide, when in a position to do so, support to developing countries in
appropriately prioritize support; improve enabling environments; integrate climate co
international development assistance; and reduce international support for high-emiss

11. The provision of financial resources [should][shall] aim to achieve a balance betw
taking into account country-driven strategies, and the priorities and needs of develop
especially those that are particularly vulnerable to the adverse effects of climate ch
and Africa, considering the need for public and grant-based resources for adaptation.]\

12. [[Developed country Parties][Parties included in Annex II to the Convention] shall
with long-term, scaled-up, predictable, new and additional finance, technology and cap
implementation of Article 4, paragraphs 810[, in accordance with [the relevant provis
Convention,] recognizing the urgent and immediate needs and special circumstances of
Parties, especially those that are particularly vulnerable.]\

13. [The CMA shall ensure that adequate support is available to the International Mech
Damage as defined in Article (XX), as well as to promote and support the development a
approaches to address irreversible and permanent damage resulting from human-induced

14. [The provision of financial resources shall ensure facilitated and enhanced direct
approach, through simplified procedures, and readiness support to developing countries
countries that are particularly vulnerable to the adverse effects of climate change],

developing countries, LDCs, SIDS and Africa. It shall likewise ensure adequacy and proper use of resources, and avoid double counting.]\

15. [[Parties and the institutions serving this Agreement should simplify procedures for the provision of support, and in order to enhance the impact and country-driven approach of such support, and country programme measures [shall][should] be prioritized. The institutions serving this Agreement [shall][should] enhance the delivery of resources for readiness and simplify approval of such support from finance [by developing countries], in particular for LDCs, SIDS, and African States [and other developing countries], in a coordinated manner].] {Placement proposal: to be moved to decision 1/CMP.3}\

16. Option 1: [[Developed country] Parties [and other developed Parties included in Annex II to the Convention] [periodically][biennially] communicate [relevant, indicative] information on [the [provision and implementation] of [financial resources][support to developing countries], including quantitative and qualitative information on the] projected [efforts to mobilize [and attract] climate finance][financial resources to be provided to developing country Parties]].] Option 2: [Developed country Parties and other developed Parties included in Annex II to the Convention] communicate on the provision and mobilization of financial resources, including quantitative and qualitative information on the projected levels of public financial resources to be provided to developing countries. Option 3: [Parties should periodically communicate relevant, indicative information about financial resources to be provided to developing countries in paragraphs X-Y, as appropriate.]\

17. [The [stocktake shall take into account available information by [developed country Parties] and [other developed Parties included in Annex II to the Convention] on efforts related to climate finance][CMA shall facilitate the communication of such information] in the stocktake referred to in Article 10, taking into account the [annual reports][biennial reports] of the CMA and the Committee on Finance].] {Pending outcome of discussions on Article 10}\

18. [Developed country Parties and other developed Parties included in Annex II to the Convention] shall biennially provide transparent, complete, consistent, comparable and accurate information on the provision and mobilization of financial resources to developing country Parties, in accordance with the guidelines to be adopted by the CMA at its first session, including through a clear decision, as stipulated in Article 1 of this agreement.] {Note: some of the issues pertaining to the provision and mobilization of financial resources as identified in this paragraph may be moved to Article 9}\

19. The Financial Mechanism established by Article 11 of the Convention, including [the Green Climate Fund, the Global Environment Facility as] its operating entities [and related funds], shall serve as the financial mechanism of this Agreement.\

[Option 1 (Paragraph 20):\

20. [The CMA shall provide guidance, for consideration by the COP, on the policies, procedures and eligibility criteria of the operating entities of the Financial Mechanism, acknowledging the decisions of the COP agreed before adoption of this Agreement shall apply mutatis mutandis to the Financial Mechanism of this Agreement.]\

20. [The guidance to the entity or entities entrusted with the operation of the financial mechanism shall be included in relevant decisions of the COP, including those agreed before the adoption of the agreement, and shall apply mutatis mutandis to the Financial Mechanism of this Agreement.]\

21. The existing operating entities of the Financial Mechanism (the Green Climate Fund, the Global Environment Facility, including the Special Climate Change Fund and the Least-Developed Countries Fund) shall serve this Agreement. Other funds may be established under this agreement.\

22. The Adaptation Fund Board, established by decision 1/CMP.3 shall be designated as the entity entrusted with the operation of the financial mechanism, referred to in Article xx, of this Agreement.]]\

Article 7 (TECHNOLOGY DEVELOPMENT AND TRANSFER)\

1. All Parties[, in accordance with the principles and provisions of the Convention, and in accordance with Article 11]], noting the importance of technology for the implementation of mitigation

under this Agreement and recognizing existing deployment and dissemination efforts, [cooperative action [to accelerate and upscale] [on] [technology development and transfer];

(a) [Improving endogenous capacities and enabling environments according to nationally determined priorities, in accordance with Article 4, paragraph 5, of the Convention];\

(b) [Addressing barriers [in accessing to][for] the transfer of safe, appropriate and environmentally sound technologies [by developing countries];]\

(c) [Fostering cooperative approaches to research and development].\

2. Parties share a long-term vision on the importance of fully realizing technology development and transfer in order to improve resilience to climate change and to reduce GHG emissions.\

3. A technology framework is hereby established to provide overarching guidance to the Technology Mechanism in promoting and facilitating enhanced action on technology development and transfer to support the implementation of this Agreement, in pursuit of the long-term vision referred to above.\

4. [In accordance with Article 4, paragraph 5, of the Convention, developed country Parties shall provide financial resources to address barriers created by policies and intellectual property rights (IPRs) to the research, development and the deployment of technology, including, inter alia, by utilizing the Financial Mechanism to create a funding window under the GCF to meet the full costs of IPRs of environmentally sound technologies and such technologies will be provided to developing country Parties free of cost in order to support their actions to address the adverse effects of climate change.]\

5. The Technology Mechanism shall serve this Agreement [and shall be strengthened in order to fulfill this purpose].\

6. Option 1: Developing country Parties are eligible for support in the implementation of the technology framework.
Option 2: [In accordance with Article 4, paragraphs 3[and 5][, 5 and 9], of the Convention, developed country Parties and other Parties included in Annex II to the Convention shall [continue to provide support] [regularly prepare, communicate and implement their commitments on the support of technology development and transfer to] [developing country] Parties] [provide enhanced support], including financial support, to support cooperative action and the implementation of the technology framework through the Technology Mechanism [and the Financial Mechanism]. [The financial support shall be made available through the Financial Mechanism.] [The overall implementation of the commitments will be assessed periodically through a global stocktake in accordance with Article 10 of this Agreement.]\

Option 3: [Developed country] [All] Parties shall regularly communicate the progress of their commitments [made in implementing the provisions] [pertaining to the financial provisions] and support for technology development and transfer in accordance with Articles 6 and 9 of this Agreement [, taking into account the provisions of the Convention] [in a measurable, reportable and verifiable manner]. [The overall implementation of the commitments will be periodically assessed through a global stocktake in accordance with Article 10 of this Agreement.]\

7. [Developed country Parties and other Parties included in Annex II to the Convention shall provide financial resources for the research, development and application of environmentally sound technologies and facilitate access to such technologies for developing country Parties, including by, inter alia, providing financial resources to address barriers caused by the lack of financial resources and development capability and innovations, and enhancing access to environmentally sound technologies and know-how.]\

Article 8 (CAPACITY-BUILDING)\

1. Capacity-building under this Agreement should enhance the capacity and ability of developing country Parties to:

Option 1: [countries];\

Option 2: [developing country Parties, in particular countries with the least capacity, and African countries];\

Option 3: [developing country Parties, in particular countries with the least capacity];\

and African countries, in accordance with the principles and provisions of the Convention [to take effective climate change action, including, inter alia, to implement adaptation, facilitate technology development, dissemination and deployment, access to climate finance, education, training and public awareness, and the transparent, timely and accurate communication of information.]\\

2. Capacity-building should be country-driven, based on and responsive to national needs, ownership of Parties, [in particular, for developing country Parties,] including at the local levels. Capacity-building should be guided by lessons learned, including those from activities under the Convention, and should be an effective, iterative process that is inclusive and gender-responsive.\\

3. [All Parties should cooperate to enhance the capacity of developing country Parties under this Agreement. Developed country Parties should enhance support for actions for capacity-building in developing countries].\\

4. [All Parties enhancing the capacity of developing country Parties to implement this Agreement through regional, bilateral and multilateral approaches, shall regularly communicate and coordinate on capacity-building. Developing country Parties shall regularly communicate progress on capacity-building plans, policies, actions or measures to implement this Agreement].\\

5. [Institutional arrangements under the Convention shall be enhanced, as appropriate, for the implementation of this Agreement]. [In order to further enhance capacity-building under this Agreement, an international capacity-building mechanism is hereby established under this Agreement].\\

Article 8 bis\\

Parties shall cooperate in taking measures, as appropriate, to enhance climate change awareness, public participation and public access to information, recognizing the importance of respect to enhancing actions under this Agreement.\\

Article 9 (TRANSPARENCY)\\

1. Option 1: A robust transparency framework covering both action and support, differentiating between developed and developing countries, building on the arrangements under the Convention, related mechanisms established by the Cancun Agreements (decision 1/CP.16), applicable to all Parties, and flexibility to developing countries is hereby established.\\

Option 2: A unified and robust transparency framework, covering both action and support, and flexibility to take into account Parties differing capacities, and applicable to all Parties.\\

Option 3: A robust, tiered transparency framework covering both action and support, applicable to all Parties, based on self-differentiation with no backsliding and on national capabilities and international contributions, and that builds on and enhances existing arrangements under the Convention. Decision 16 is hereby established.\\

Option 4: Building on existing arrangements under the Convention, a transparency framework for action and support that takes into account Parties different capacities and is applicable to all Parties.\\

2. The transparency framework shall provide flexibility in the implementation of the provisions for developing country Parties in the light of their capabilities. The modalities, procedures and arrangements in paragraph 6 of this Article shall reflect such flexibility.\\

3. The transparency framework shall be guided by the principles of the Convention and the arrangements under the Convention, recognizing the special circumstances of the least developed countries and small island developing States, and be implemented in a facilitative, non-intrusive, transparent and respectful of national sovereignty, and avoid placing undue burden on Parties and the public.\\

4. The purpose of the framework for transparency of action is to:\\

(a) Provide a clear understanding of climate change actions in the light of the objectives of the Convention;\\

(b) Provide a clear understanding of the anthropogenic emissions by sources and removals by individual Parties;\

(c) Facilitate understanding of global aggregate emissions and removals to inform the work under Article 10;\

(d) Ensure clarity and tracking of progress made towards {insert the relevant phrase from outcome of Article 3.2} and achieving individual Parties respective mitigation {insert the relevant phrase from outcome of Article 3.2} under Article 3;\

(e) Provide clarity on Parties adaptation actions under Article 4, including good practices and gaps.\

5. The purpose of the framework for transparency of support is to:\

(a) Provide a clear understanding of the support provided and received by relevant Parties in the context of climate change actions under Articles 3 and 4;\

(b) Achieve, to the extent possible, a full overview of aggregate financial support provided to Parties under global stocktake under Article 10;\

(c) Ensure clarity and tracking of progress made by developed country Parties in providing support in accordance with Articles 6, 7 and 8;\

(d) Ensure clarity and tracking of support needed and received by developing country Parties in accordance with Articles 6, 7 and 8;\

(e) Ensure the avoidance of double counting of financial resources provided.\

6. Option 1: Each Party, taking into account their common but differentiated responsibilities and national and regional development priorities, objectives, and circumstances, shall provide complete, consistent, and comparable information in accordance with guidelines referred to in paragraph 6 of this Article on:\

Option 2: Each Party shall regularly provide the following information in accordance with guidelines referred to in paragraph 6 of this Article:\

(a) Its national inventory of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(b) Projections of anthropogenic emissions by sources and removals by sinks of greenhouse gases;\

(c) Progress made towards and achieving individual Parties respective mitigation {insert the relevant phrase from outcome of Article 3.2} under Article 3;\

(d) Climate change impacts and actions taken to build resilience and reduce vulnerability, including adaptation actions under Article 4;\

(e) Support provided and received, as relevant, including specific information required under Articles 6.14, 7 and 8.\

7. Option 1: The information provided by each Party as required under this Article shall be subject to expert review, with additional flexibility to be given to LDCs and SIDS as requested by them, in accordance with [common] guidelines and procedures adopted by the CMA.\

The review shall provide a thorough, objective and comprehensive technical assessment of the implementation and achievement of its nationally determined mitigation {insert the relevant phrase from outcome of Article 3.2} and other requirements of the Agreement, analyze the extent to which the reporting is in line with the guidelines adopted by the CMA, and identify any areas for improvement and possible capacity building, in consultation with the Party concerned. The technical review shall be carried out by an expert review team that shall produce a report, to be consulted with the Party concerned, and published by the secretariat and consideration by the CMA.\

[The report shall identify any issues related to compliance.] {review following outcome of Article 3.2} The multilateral and facilitative examination shall consider the information above.\

Option 2: All information provided by developed country Parties, and shall be reviewed by the CMA through a technical review process followed by a multilateral assessment process, and result in conclusions and recommendations on consequences for compliance;\

All the information provided by developing country Parties should be analyzed through a process followed by a multilateral facilitative sharing of views, result in a summary nonintrusive, non-punitive and respectful of national sovereignty, according to the lead developed country Parties.\

8. The CMA shall, at its first session, building on experience from the arrangements under the Convention, and elaborating on the provisions in this Article, adopt [common] modalities and guidelines, as appropriate, for the transparency of action and support. {Placeholder for the outcomes of discussion on accounting}\

9. The transparency arrangements under the Convention, including national communications, biennial update reports, international assessment and review (IAR) and international consultation (ICA), shall form part of the experience drawn upon for the development of modalities and guidelines under paragraph 8 of this Article.\

10. Support shall be provided to developing countries for the implementation of paragraph 8.\

11. [Developed country Parties shall provide support to developing country Parties in implementing paragraph 8 of this Article.] {to be revised pending global solution in Article 6}\

12. Support shall also be provided for the building of transparency-related capacity on a continuous basis.\

Article 10 (GLOBAL STOCKTAKE)\

14,15\

1. The CMA shall periodically assess the [overall][collective] progress towards achieving the Agreement and its long-term goals. It shall do so in a comprehensive and facilitative manner, taking into account mitigation, adaptation and the means of implementation and support17\

.\

2. The CMA shall undertake its first global stocktake in 2024 and every five years thereafter, as decided by the CMA.\

3. The outcome of the global stocktake shall inform Parties in [undertaking their efforts and successive actions and support, as appropriate, [and in [preparing][and][finalizing] a global stocktake in accordance with relevant provisions of this Agreement, with a view to achieving the purposes and goals [and increasing the ambition] of this Agreement in light of [the best available science, technology and socio-economic data] in accordance with the principle of common but differentiated responsibilities and respect for different national circumstances].\

Article 11 \

1. A [mechanism][committee] [with differentiation between developed country Parties and developing country Parties][applicable to all Parties] to promote [[and address] compliance with] and facilitate the provisions of this Agreement], which shall be expert-based [and facilitative] in nature and operate in a manner that is transparent, non-punitive and non-adversarial [for developing country Parties] hereby established. [It shall pay particular attention to the respective national capacities of developed country Parties.] \

2. The objective of the [mechanism][committee] referred to in paragraph 1 of this Article shall be to: Option (a): To promote [and][,] facilitate [and incentivize] effective implementation of the provisions of [Articles [3] [, 4, 6, 7, 8] and [9] of] this Agreement.\

Option (b): [To promote compliance][To address cases of non-compliance] by developed country Parties, including through the development of an indicative list of consequences], taking into account the degree and frequency of non-compliance, and to facilitate implementation by developing country Parties through the provision of adequate financial resources and transfer of technology.\

3. The [mechanism][committee] shall report annually to the CMA and shall operate under the procedures adopted by the CMA at its first session. The [mechanism][committee] shall develop a work plan and procedure, which shall be subject to approval by the CMA at its second session.\

4. [Placeholder for text by Parties on composition]\

Option 2:\

An International Tribunal of Climate Justice is hereby established to address cases on the commitments of developed country Parties on mitigation, adaptation, provision of financial resources, development and transfer, capacity-building, and transparency of action and support, and the development of an indicative list of consequences, taking into account the cause, type and extent of non-compliance.]\

Article 12 (CMA)\

1. The Conference of the Parties, the supreme body of the Convention, shall serve as the meeting of the Parties to this Agreement.\

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in any session of the Conference of the Parties serving as the meeting of the Parties to this Agreement. The Conference of the Parties serves as the meeting of the Parties to this Agreement, decisions on matters within its mandate shall be taken only by those that are Parties to this Agreement.\

3. When the Conference of the Parties serves as the meeting of the Parties to this Agreement, a Bureau of the Conference of the Parties representing a Party to the Convention but, not a Party to this Agreement, shall be replaced by an additional member to be elected by and from among the Parties to this Agreement.\

4. The CMA shall keep under regular review the implementation of this Agreement and shall report to the Parties, in accordance with its mandate, the decisions necessary to promote its effective implementation. It shall perform such other functions as may be assigned to it by this Agreement and shall:\

(a) Establish such subsidiary bodies as deemed necessary for the implementation of this Agreement;\

(b) Exercise such other functions as may be required for the implementation of this Agreement.\

5. The rules of procedure of the Conference of the Parties and the financial procedures of the Convention shall be applied mutatis mutandis under this Agreement, except as may be otherwise decided by consensus by the CMA.\

6. The first session of the CMA shall be convened by the secretariat in conjunction with the first session of the Conference of the Parties that is scheduled after the date of entry into force of this Agreement. Subsequent ordinary sessions of the CMA shall be held in conjunction with ordinary sessions of the Conference of the Parties as decided by the CMA.\

7. Extraordinary sessions of the CMA shall be held at such other times as may be deemed appropriate by the Parties at the written request of any Party, provided that, within six months of the request received by the secretariat, it is supported by at least one third of the Parties. \

8. The United Nations, its specialized agencies and the International Atomic Energy Agency, as well as any member thereof or observers thereto not party to the Convention, may be represented at sessions of the CMA as observers. Any body or agency, whether national or international, governmental or non-governmental, qualified in matters covered by this Agreement and which has informed the secretariat of its interest in being represented at a session of the CMA as an observer, may be so admitted unless at least one third of the Parties present object. The admission and participation of observers shall be subject to the provisions of paragraph 4(b) of this Article.\

Article 13 (SECRETARIAT)\

1. The secretariat established by Article 8 of the Convention shall serve as the secretariat of the CMA.\

2. Article 8, paragraph 2, of the Convention on the functions of the secretariat, and the provisions of the Convention on arrangements made for the functioning of the secretariat shall apply mutatis mutandis to the CMA. The secretariat shall, in addition, exercise the functions assigned to it by the CMA.\

Article 14 (SBSTA AND SBI)\

1. The Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation shall be established as subsidiary bodies of the CMA.\

(SBI) established by Articles 9 and 10 of the Convention shall serve, respectively, as the Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement. Sessions of the meetings of the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of this Agreement shall be held in conjunction with the sessions of the Convention, respectively, the Subsidiary Body for Scientific and Technological Advice and the Subsidiary Body for Implementation of the Convention.\

2. Parties to the Convention that are not Parties to this Agreement may participate as observers in any session of the subsidiary bodies. When the subsidiary bodies serve as the subsidiary bodies of this Agreement, decisions under this Agreement shall be taken only by those that are Parties to this Agreement.\

3. When the subsidiary bodies established by Articles 9 and 10 of the Convention exercise their functions with regard to matters concerning this Agreement, any member of the bureaux of those subsidiary bodies who is not a Party to the Convention but, at that time, not a Party to this Agreement, shall be eligible to be elected by and from among the Parties to this Agreement.\

Article 15 (BODIES AND INSTITUTIONAL ARRANGEMENTS TO SERVE AGREEMENT)\

1. Subsidiary bodies or other institutional arrangements [and mechanisms] established in addition to those subsidiary bodies and institutional arrangements explicitly referred to in Article 10 [shall] [may] serve this Agreement [unless otherwise decided by the CMA] [[upon a decision of the CMA]. [Such decision shall specify the functions to be exercised by such bodies or arrangements].\

2. The CMA may provide further guidance to those subsidiary bodies and institutional arrangements [including functions to be exercised by such bodies and institutional arrangements] [including functions to be exercised by such bodies and institutional arrangements nominated by Parties to the Convention that are not Parties to this Agreement] to the extent that these bodies and institutional arrangements serve this Agreement).\

Article 16 (SIGNATURE AND INSTRUMENTS OF RATIFICATION, ACCEPTANCE, APPROVAL OR ACCESSION)\

1. This Agreement shall be open for signature and subject to ratification, acceptance, approval or accession by regional economic integration organizations that are Parties to the Convention. It shall be open for signature at the United Nations Headquarters in New York from 22 April 2016 to 21 April 2017. Thereafter, it shall be open for accession from the day following the date on which it is closed for signature. Instruments of ratification, acceptance, approval or accession shall be deposited with the Depositary.\

2. Any regional economic integration organization that becomes a Party to this Agreement shall be bound by all the obligations under this Agreement. Where a regional economic integration organization with one or more member States that are Parties to this Agreement becomes a Party to this Agreement, the organization and its member States shall decide on their respective responsibilities and obligations under this Agreement. In such cases, the organization and the member States shall exercise rights under this Agreement concurrently.\

3. In their instruments of ratification, acceptance, approval or accession, regional economic integration organizations shall declare the extent of their competence with respect to the matters covered by this Agreement. These organizations shall also inform the Depositary, who shall in turn inform the Parties, of any substantial modification in the extent of their competence.\

Article 17 (FURTHER REQUIREMENTS AND DECISION-MAKING RIGHTS)\

[A Party to the Convention shall [submit] [communicate] to the secretariat when it deposits its instrument of ratification, acceptance, approval or accession a nationally determined [mitigation] [contribution] [commitment] [in accordance with Article 2bis] in order to become Party to the Agreement. [The nationally determined [mitigation] [contribution] [commitment] shall be legally binding on that Party upon entry into force of the Agreement for that Party.]]\

Article 18 (ENTRY INTO FORCE)\

1. This Agreement shall enter into force on the thirtieth day after the date on which at least [x] Parties to the Convention [including all Annex I Parties] [and] [or] [on which Parties to the Convention]

accounting for [55][60][70][X] per cent of total [net] global greenhouse gas emissions. [[date][1990][2000][2010][2012]] have deposited their instruments of ratification, accession [whichever occurs first, coming into effect not earlier than 1 January 2020]. the Convention accounting for X per cent of total [net] global greenhouse gas emissions [1990][2000][2010][2012]] [but not earlier than 1 January 2020].\

2. [For the purposes of paragraph 1 of this Article, "total global [net] greenhouse gas emissions" means the [total global [net anthropogenic] greenhouse gas emissions [and removals] as reported and used by the Intergovernmental Panel on Climate Change in its Fifth Assessment Report [on the latest trends][most up-to-date amount communicated on or before the date of adoption of this Agreement] to the Convention either in their national communications submitted in accordance with the Convention or in their biennial reports or biennial update reports submitted in accordance with the decision of the Conference of the Parties].\

3. For each State or regional economic integration organization that ratifies, accepts, approves or accedes thereto after the condition[s] set out in paragraph 1 of this Article for entry into force is fulfilled, this Agreement shall enter into force on the thirtieth day after the date of deposit of its instrument of ratification, acceptance, approval or accession by the regional economic integration organization of its instrument of ratification, acceptance, approval or accession.\

4. For the purposes of paragraph 1 of this Article, any instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by its member States.\

Article 19 (AMENDMENTS)\

1. The provisions of Article 15 of the Convention on the adoption of amendments to the Convention shall apply mutatis mutandis to this Agreement.\

2. [Notwithstanding paragraph 1 of this Article, a Party may propose an adjustment [to the Convention] expressed by its [mitigation commitment] inscribed in] Annex [A or B] [or] [X] to this Agreement. For such an adjustment shall be communicated to the Parties by the secretariat at least six months before the session of the CMA at which it is proposed for adoption].\

3. [An adjustment proposed by a Party [to enhance] the efforts expressed by its [mitigation commitment] in Annex [A or B] [or] [X] to this Agreement shall be considered adopted by the CMA unless a majority of four-fifths of the Parties present and voting object to its adoption. The adopted adjustment shall be communicated by the secretariat to the Depositary, who shall circulate it to all Parties, and it shall enter into force on the first day of the year following the communication by the Depositary. Such adjustments shall be binding on the Parties that have accepted them].\

Article 20 (ANNEXES)\

1. Annexes to this Agreement shall form an integral part thereof and, unless otherwise provided, any reference to this Agreement constitutes at the same time a reference to any annexes thereto. Annexes shall be restricted to lists, forms and any other material of a descriptive nature that is of a technical, scientific, procedural or administrative character.\

2. The provisions of Article 16 of the Convention on the adoption and amendment of annexes shall apply mutatis mutandis to this Agreement[, except in respect of the annex containing the Parties' mitigation commitments].\

Article 21 (SETTLEMENT OF DISPUTES)\

The provisions of Article 14 of the Convention on settlement of disputes shall apply mutatis mutandis to this Agreement.\

Article 22 (VOTING)\

1. Each Party shall have one vote, except as provided in paragraph 2 of this Article.\

2. Regional economic integration organizations, in matters within their competence, shall exercise their right to vote with a number of votes equal to the number of their member States that are Parties to this Agreement. An organization shall not exercise its right to vote if any of its member States exercises its right.\

3. [Without prejudice to the provisions of Article 15, paragraph 3, of the Convention on the Settlement of Disputes, the Parties shall make every effort to reach agreement on all matters by consensus. If such efforts to reach consensus fail, the Parties shall resort to the provisions of Article 15, paragraph 3, of the Convention].\

and no agreement has been reached, a decision shall, as a last resort, be adopted by a majority of the Parties present and voting.]\

Article 23 (DEPOSITARY)\

The Secretary-General of the United Nations shall be the Depositary of this Agreement

Article 24 (RESERVATIONS)\

No reservations may be made to this Agreement.\

Article 25 (WITHDRAWAL)\

1. At any time after three years from the date on which this Agreement has entered into force, any Party may withdraw from this Agreement by giving written notification to the Depositary.\
2. Any such withdrawal shall take effect upon expiry of one year from the date of receipt of the notification of withdrawal, or on such later date as may be specified in the notification.\
3. Any Party that withdraws from the Convention shall be considered as also having withdrawn from this Agreement.\

Article 26 (LANGUAGES)\

The original of this Agreement, of which the Arabic, Chinese, English, French, Russian and Spanish texts are equally authentic, shall be deposited with the Secretary-General of the United Nations

```
In [81]: from difflib import SequenceMatcher
```

```
def similar(a, b):
    return SequenceMatcher(None, a, b).ratio()
```

```
In [82]: similar(UN_final_draft,UN_draft1)
```

```
Out[82]: 0.11719288570246794
```

```
In [83]: similar(UN_final_draft,UN_draft2)
```

```
Out[83]: 0.1098546042003231
```

```
In [84]: similar(UN_final_draft,UN_draft3)
```

```
Out[84]: 0.1115745733680137
```

```
In [85]: import matplotlib.pyplot as plt
%matplotlib inline
plt.style.use('ggplot')
from datascience import *
import numpy as np
from scipy.spatial.distance import cosine
import gensim
import nltk
from string import punctuation
```

```
In [86]: words_UN_final = UN_final_draft.split()
lost_damage_UN_final=Table().with_columns('United Nations Final Draft',words_UN_final)
lost_damage_UN_final
```



```
Out[86]: United Nations Final Draft
        PARIS
        AGREEMENTThe
        Parties
        to
        this
        Agreement,Being
        Parties
        to
        the
        United
        ... (6563 rows omitted)
```

```
In [87]: from nltk.tokenize import sent_tokenize
```

```
In [88]: def fast_tokenize(text):
```

```
    # Iterate through text removing punctuation characters
    no_punct = "".join([char for char in text if char not in punctuation])

    # Split text over whitespace into list of words
    tokens = no_punct.split()

    return tokens
```

```
In [89]: new_UN_final_draft=fast_tokenize(UN_final_draft)
```

```
In [90]: model = gensim.models.Word2Vec(UN_Paris, size=100, window=5, min_count=1, sg=0, alpha=0.025)
```

```
In [91]: UN_Paris=[new_UN_final_draft]
```

```
In [92]: model.similarity('shall','should')
```

```
Out[92]: 0.98986202009630075
```

```
In [93]: model.most_similar(positive=['Parties'], negative=['shall'])
```

```
Out[93]: [('areparticularly', 0.3017062842845917),
          ('nationallydetermined', 0.27191162109375),
          ('Resilience', 0.25590482354164124),
          ('Theseorganizations', 0.2502087354660034),
          ('innovation', 0.2350262850522995),
          ('permanent', 0.22896552085876465),
          ('arrangements9', 0.222272589802742),
          ('toeradicate', 0.2181248962879181),
          ('flows', 0.217962846159935),
          ('improve', 0.2139541506767273)]
```

```
In [94]: model.most_similar(positive=['Parties'], negative=['should'])
```

```

Out [94]: [('accuracy', 0.334445059299469),
          ('notify', 0.30357155203819275),
          ('Parties13', 0.2675231099128723),
          ('internationally', 0.26166096329689026),
          ('informationa', 0.2601056694984436),
          ('just', 0.24750471115112305),
          ('based', 0.2472173124551773),
          ('imperatives', 0.23568862676620483),
          ('leastdeveloped', 0.2355649173259735),
          ('differentiated', 0.2295723706483841)]

In [95]: model.most_similar(positive=['Parties'], negative=['consideration'])

Out [95]: [('tothis', 0.5056757926940918),
          ('additional', 0.4940159320831299),
          ('implement', 0.4907069802284241),
          ('through', 0.48976075649261475),
          ('mitigation', 0.48808711767196655),
          ('circumstances', 0.48685210943222046),
          ('force', 0.48568734526634216),
          ('necessary', 0.4823155105113983),
          ('manner', 0.481754869222641),
          ('adoption', 0.4790281653404236)]

In [96]: model.most_similar(positive=['Parties'], negative=['financial'])

Out [96]: [('responsibilities', 0.33102667331695557),
          ('bureaux', 0.3205847144126892),
          ('twelfth', 0.31077340245246887),
          ('Risk', 0.3062204122543335),
          ('ofclimate', 0.30439168214797974),
          ('developmentdissemination', 0.29208609461784363),
          ('relatedguidance', 0.2896292805671692),
          ('ambitionb', 0.2863513231277466),
          ('functioning', 0.28103598952293396),
          ('threat', 0.27836358547210693)]

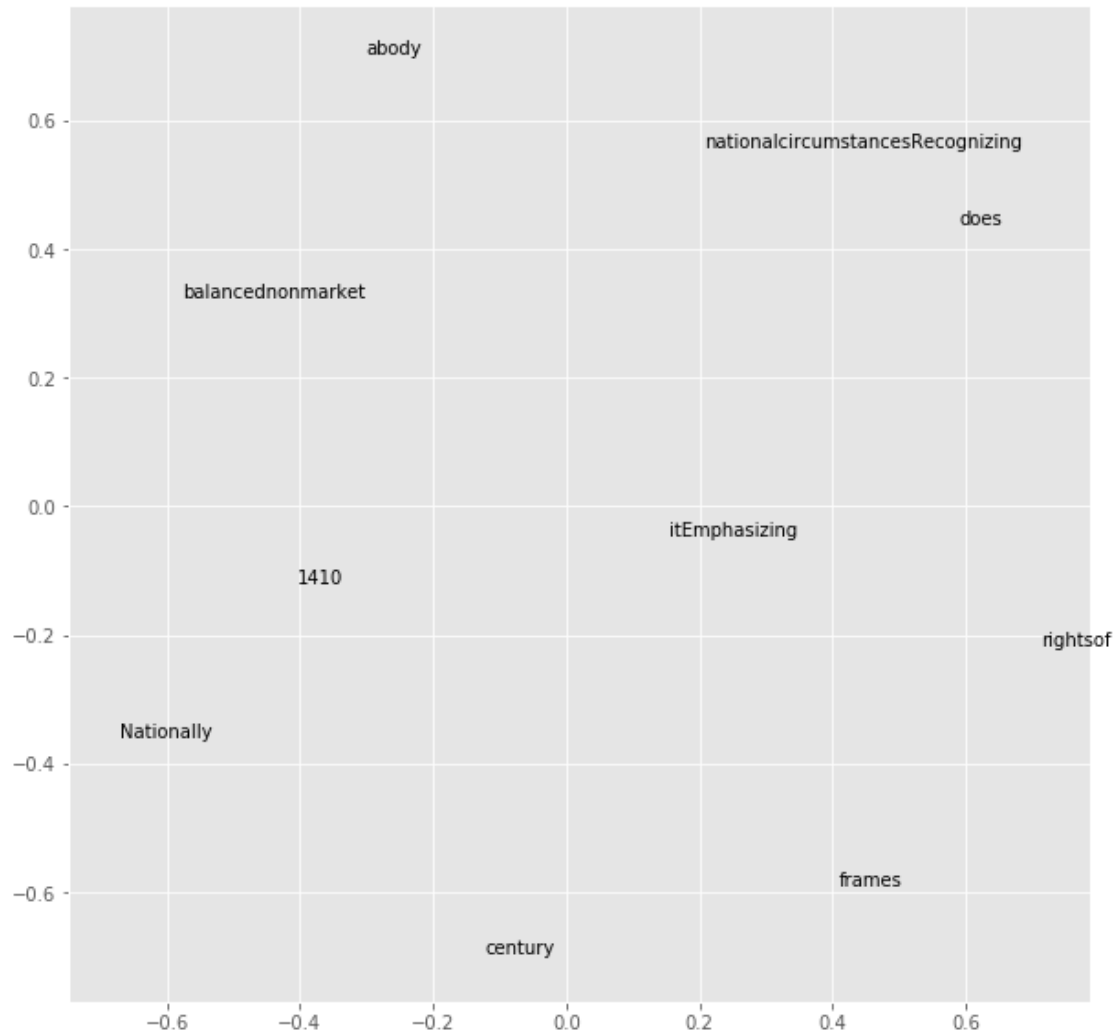
In [97]: UN_final_tokens = [token for token, weight in model.most_similar(positive=['Parties'],
In [98]: vectors = [model[word] for word in UN_final_tokens]

In [99]: from sklearn.metrics import pairwise
          dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')

In [100]: from sklearn.manifold import MDS
           mds = MDS(n_components = 2, dissimilarity='precomputed')
           embeddings = mds.fit_transform(dist_matrix)

In [101]: _, ax = plt.subplots(figsize=(10,10))
           ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
           for i in range(len(vectors)):
               ax.annotate(UN_final_tokens[i], ((embeddings[i,0], embeddings[i,1])))

```



```
In [102]: words_UN_draft1 = UN_draft1.split()
          lost_damage_UN_draft1=Table().with_columns('United Nations Draft 1',words_UN_draft1)
          lost_damage_UN_draft1

Out[102]: United Nations Draft 1
          "DRAFT
          AGREEMENT[The
          Parties
          to
          this
          Agreement,Pp1
          Being
          Parties
          to
          the
          ... (7448 rows omitted)
```

```

In [103]: new_UN_draft1=[fast_tokenize(UN_draft1)]

In [104]: model = gensim.models.Word2Vec(new_UN_draft1, size=100, window=5, min_count=1, sg=0,

In [105]: model.most_similar(positive=['Parties'], negative=['shall'])

Out[105]: [('equityPp13', 0.2491130828857422),
            ('toeradicate', 0.2129306197166443),
            ('andupdated', 0.20761875808238983),
            ('permanent', 0.1977314054965973),
            ('Pursuant', 0.1919197291135788),
            ('andunderstanding', 0.18840476870536804),
            ('outcomesof', 0.18383893370628357),
            ('flows', 0.18382605910301208),
            ('actionse', 0.18121370673179626),
            ('fosteringsustainable', 0.1804070621728897)]

In [106]: model.most_similar(positive=['Parties'], negative=['financial'])

Out[106]: [('sessionPp3In', 0.32061904668807983),
            ('bureaux', 0.2878064811229706),
            ('constrainedPp7', 0.26486626267433167),
            ('Risk', 0.2590012550354004),
            ('complete', 0.25737276673316956),
            ('threat', 0.25728559494018555),
            ('hostPartys', 0.25586941838264465),
            ('19922', 0.23804132640361786),
            ('comparable', 0.23628172278404236),
            ('ofclimate', 0.229194775223732)]

In [107]: new_UN_draft1_tokens = [token for token,weight in model.most_similar(positive=['Part

In [108]: vectors = [model[word] for word in new_UN_draft1_tokens]

In [109]: from sklearn.metrics import pairwise
            dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')

In [110]: from sklearn.manifold import MDS
            mds = MDS(n_components = 2, dissimilarity='precomputed')
            embeddings = mds.fit_transform(dist_matrix)

In [111]: draft_names=[UN_final_draft,UN_draft1,UN_draft2,UN_draft3]

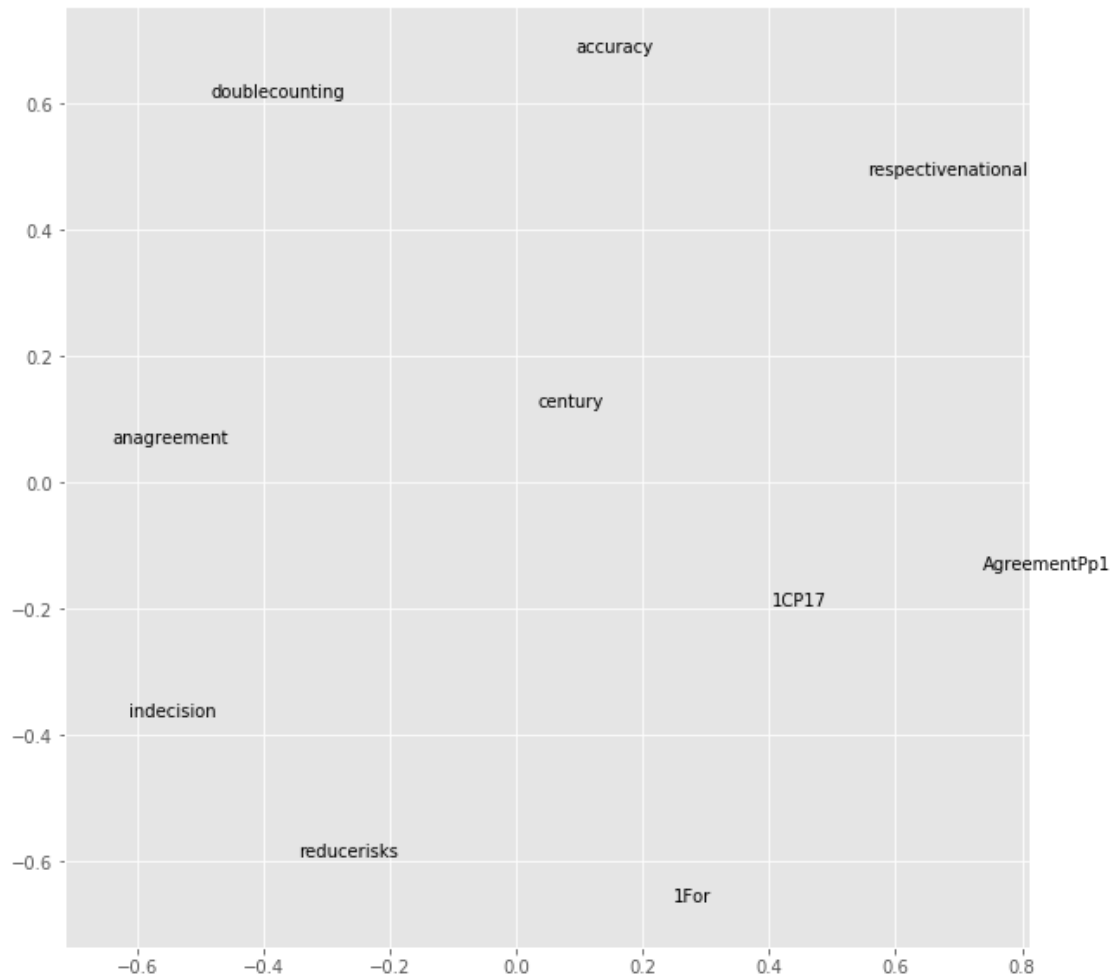
In [132]: for draft in draft_names:
            new_tokens = [token for token,weight in model.most_similar(positive=['Parties'],
            vectors = [model[word] for word in new_tokens]
            from sklearn.metrics import pairwise
            dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')
            from sklearn.manifold import MDS
            mds = MDS(n_components = 2, dissimilarity='precomputed')

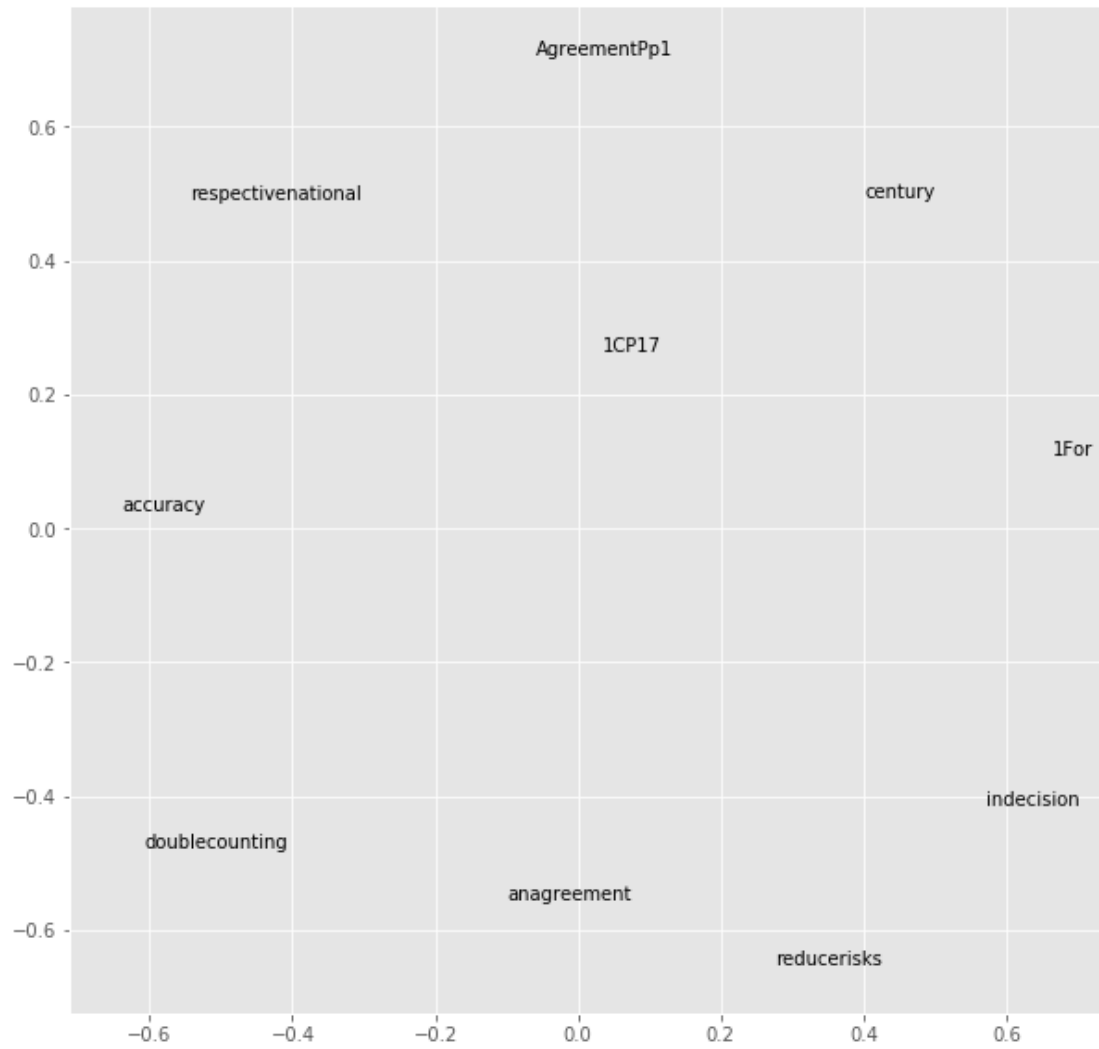
```

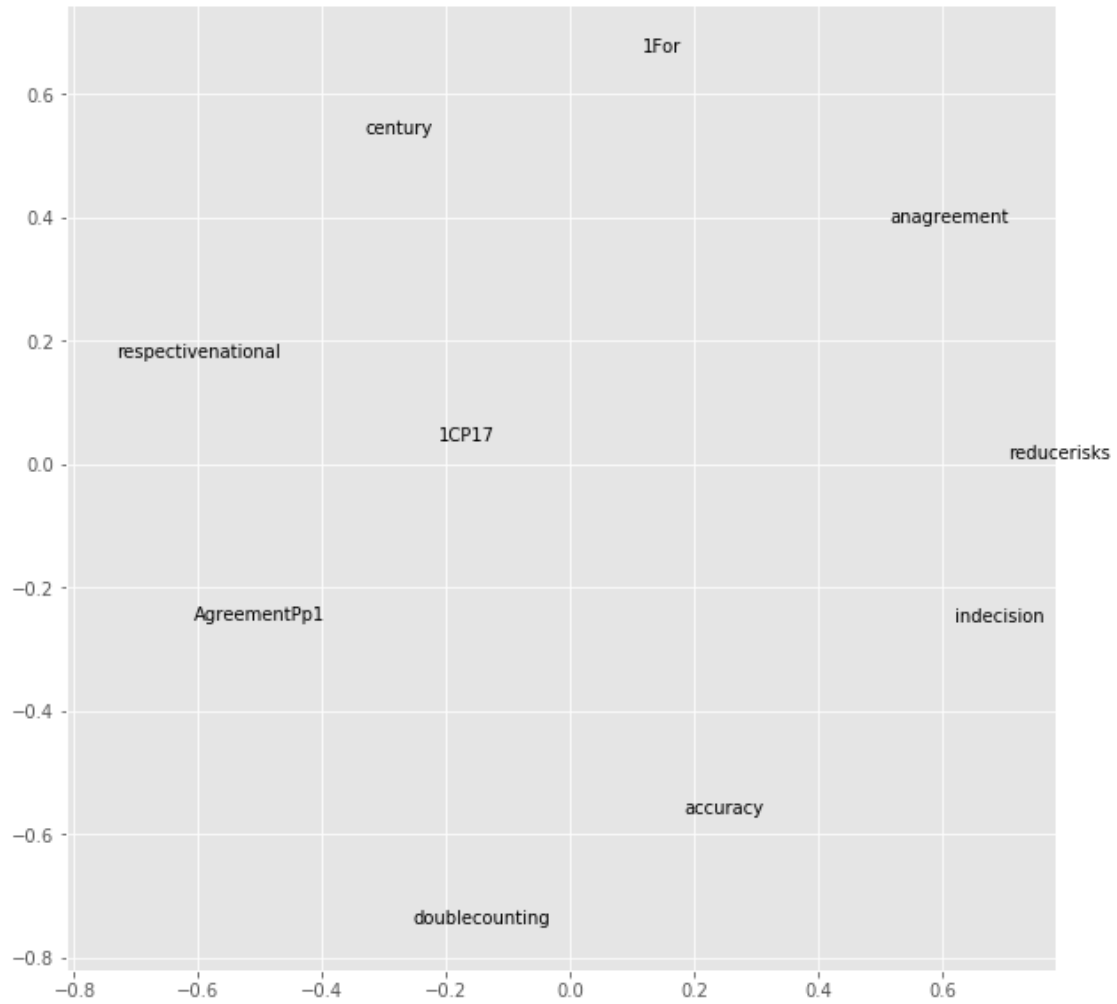
```

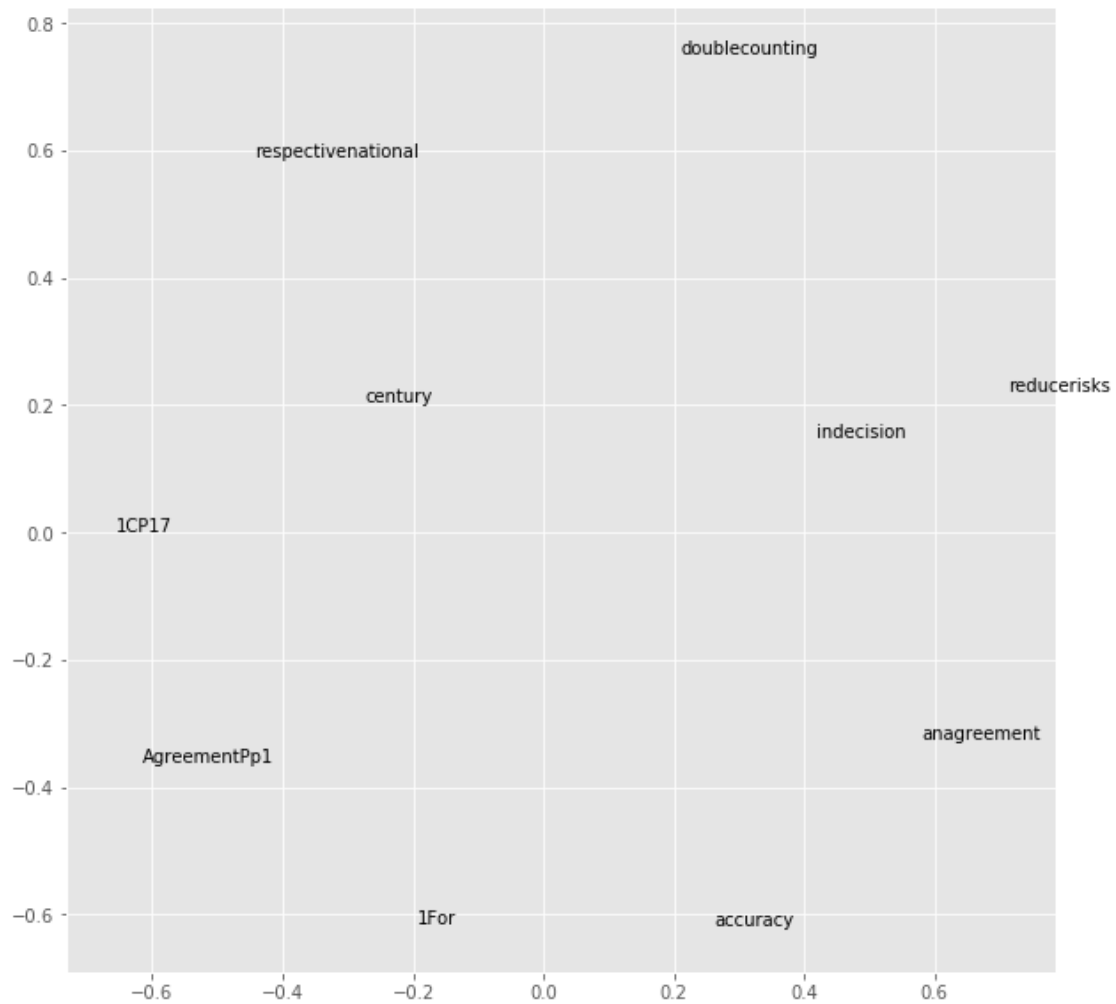
embeddings = mds.fit_transform(dist_matrix)
_, ax = plt.subplots(figsize=(10,10))
ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
for i in range(len(vectors)):
    ax.annotate(new_tokens[i], ((embeddings[i,0], embeddings[i,1])))

```

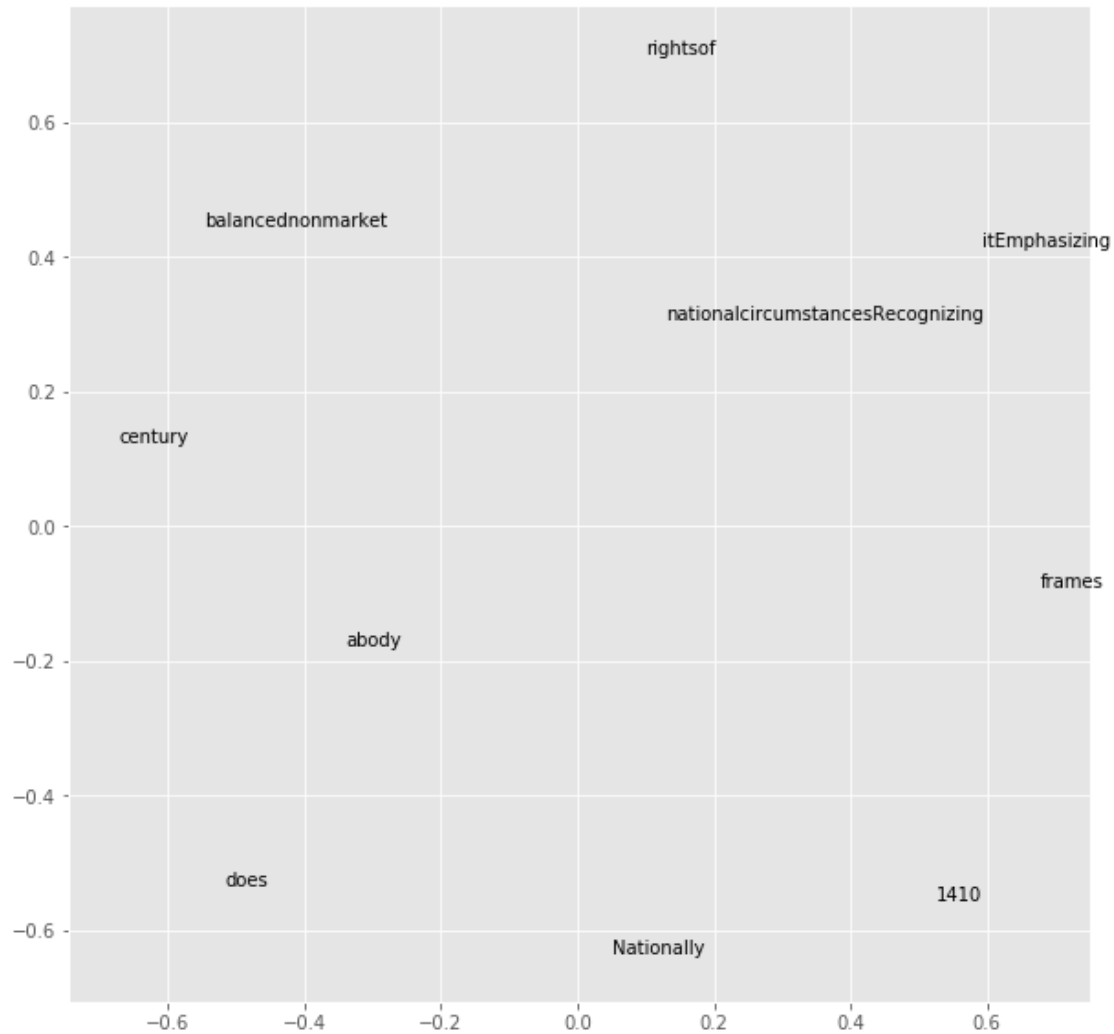








```
In [113]: _, ax = plt.subplots(figsize=(10,10))
          ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
          for i in range(len(vectors)):
              ax.annotate(UN_final_tokens[i], ((embeddings[i,0], embeddings[i,1])))
```



```
In [114]: important_words="Article Change Climate Damage International Loss Mechanism Option address approaches
associated change climate damage finance responsibility monetary carbon emission development
permanent planned serve shall should"
important_words
```

```
Out[114]: 'Article Change Climate Damage International Loss Mechanism Option address approaches'
```

```
In [115]: words_legal_terms = important_words.split()
legal_terms_table=Table().with_column('Legal Words',words_legal_terms)
legal_terms_table
```

```
Out[115]: Legal Words
Article
Change
Climate
```

```

Damage
International
Loss
Mechanism
Option
address
approaches
... (21 rows omitted)

```

```

In [134]: words_final = UN_final_draft.split()
word_count=Table().with_columns('Draft Final',words_final)
total_table_count=word_count.group('Draft Final').sort('count', descending=True)
total_table_count

```

```

Out[134]: Draft Final | count
the          | 458
of           | 385
and          | 257
to           | 250
Parties      | 152
in           | 124
this         | 117
as           | 100
shall        | 99
for          | 69
... (1713 rows omitted)

```

```

In [135]: words_final1 = UN_draft1.split()
word_count1=Table().with_columns('Draft 1',words_final1)
total_table_count1=word_count1.group('Draft 1').sort('count', descending=True)

```

```

In [136]: words_final2 = UN_draft2.split()
word_count2=Table().with_columns('Draft 2',words_final2)
total_table_count2=word_count2.group('Draft 2').sort('count', descending=True)

```

```

In [137]: words_final3 = UN_draft3.split()
word_count3=Table().with_columns('Draft 3',words_final3)
total_table_count3=word_count3.group('Draft 3').sort('count', descending=True)

```

```

In [138]: updata_table=legal_terms_table.join('Legal Words',total_table_count,'Draft Final').relabel

```

```

In [139]: updata_table1=updata_table.join('Legal Words',total_table_count1,'Draft 1').relabel

```

```

In [140]: updata_table2=updata_table1.join('Legal Words',total_table_count2,'Draft 2').relabel

```

```

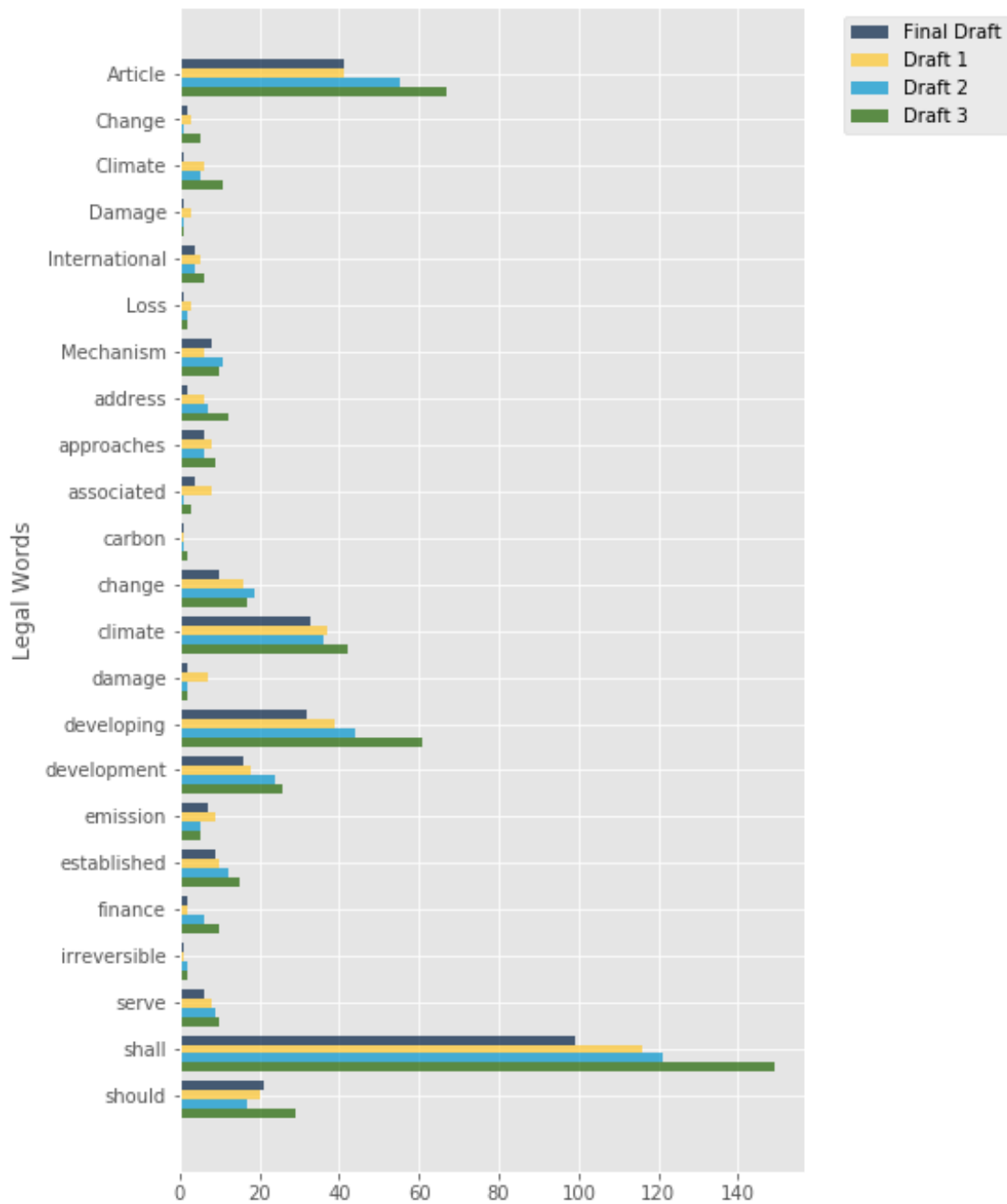
In [141]: updata_table3=updata_table2.join('Legal Words',total_table_count3,'Draft 3').relabel

```

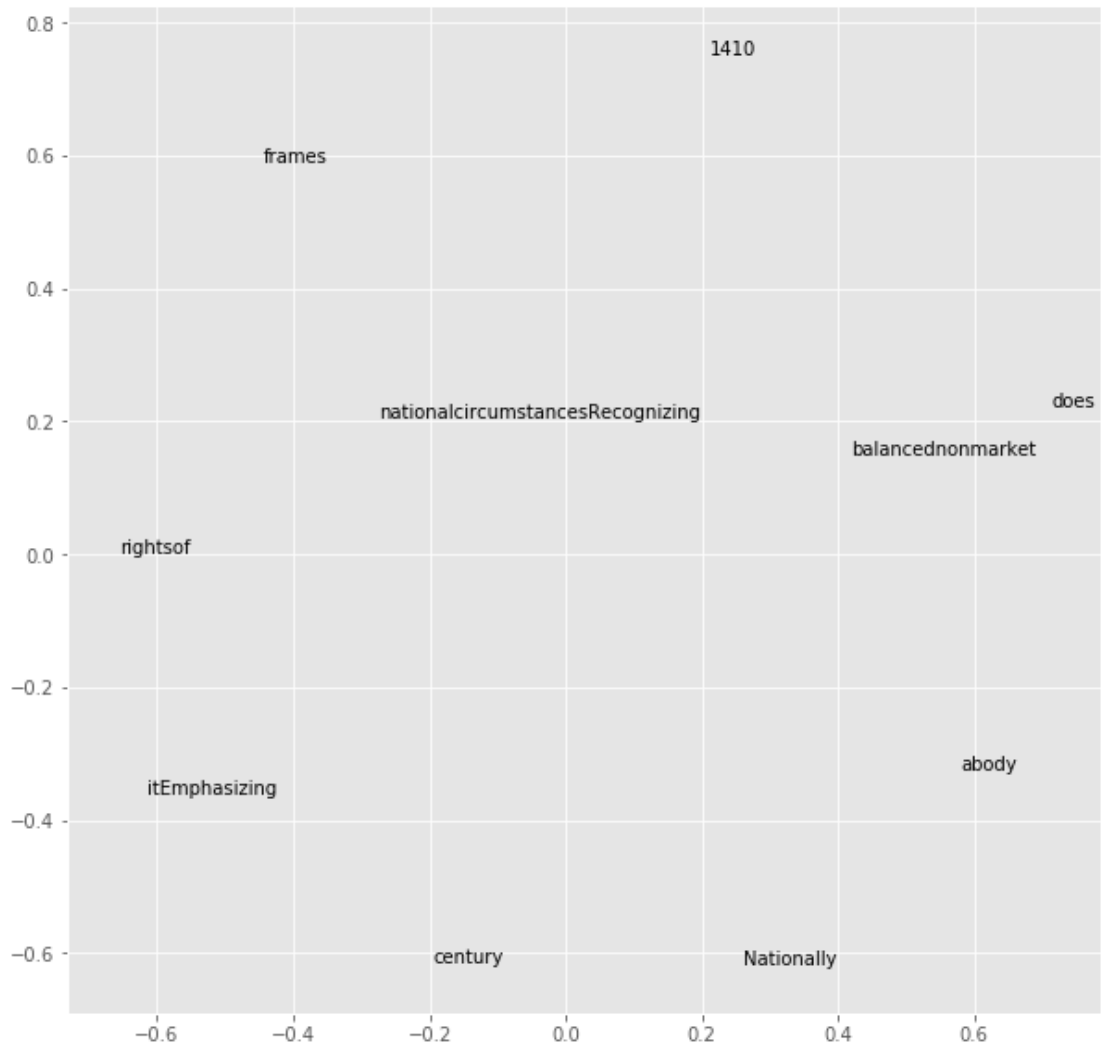
```

In [142]: updata_table3.barh('Legal Words')

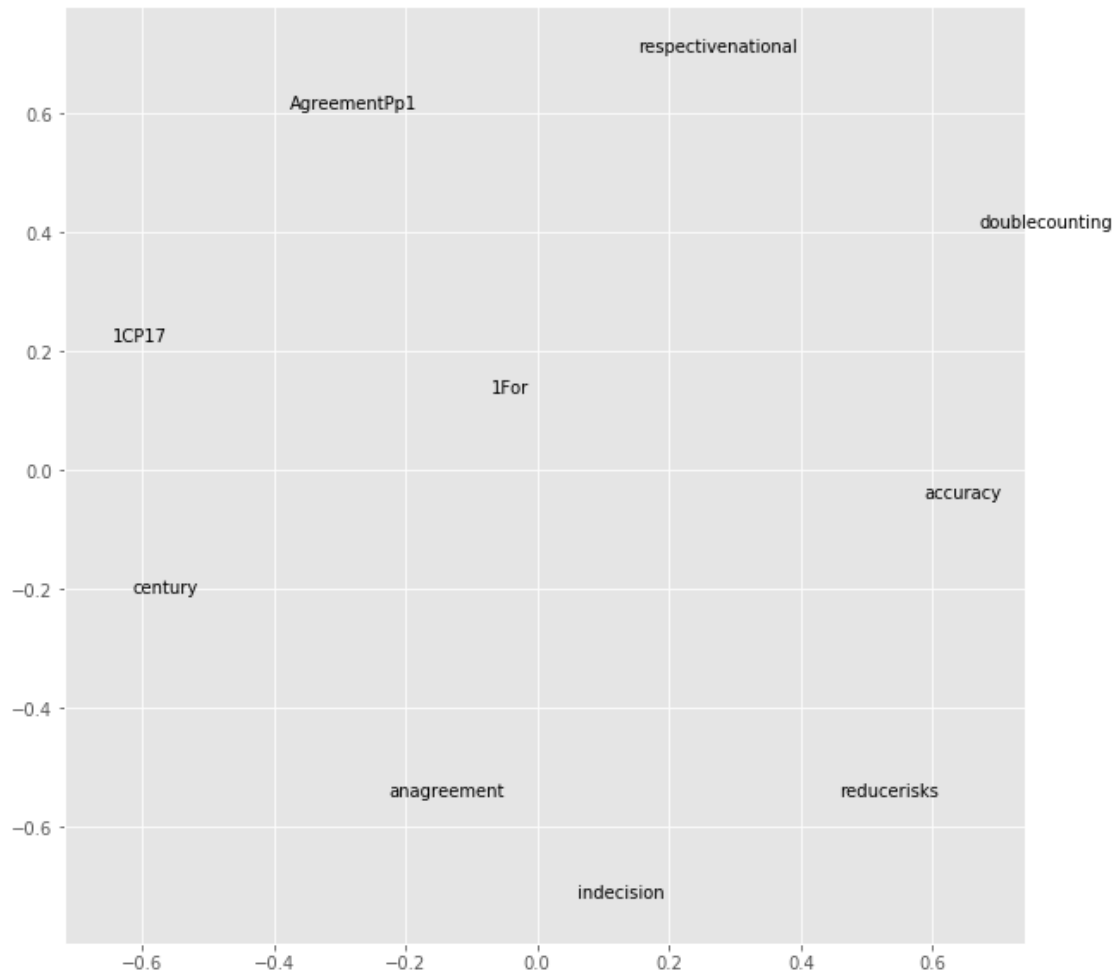
```

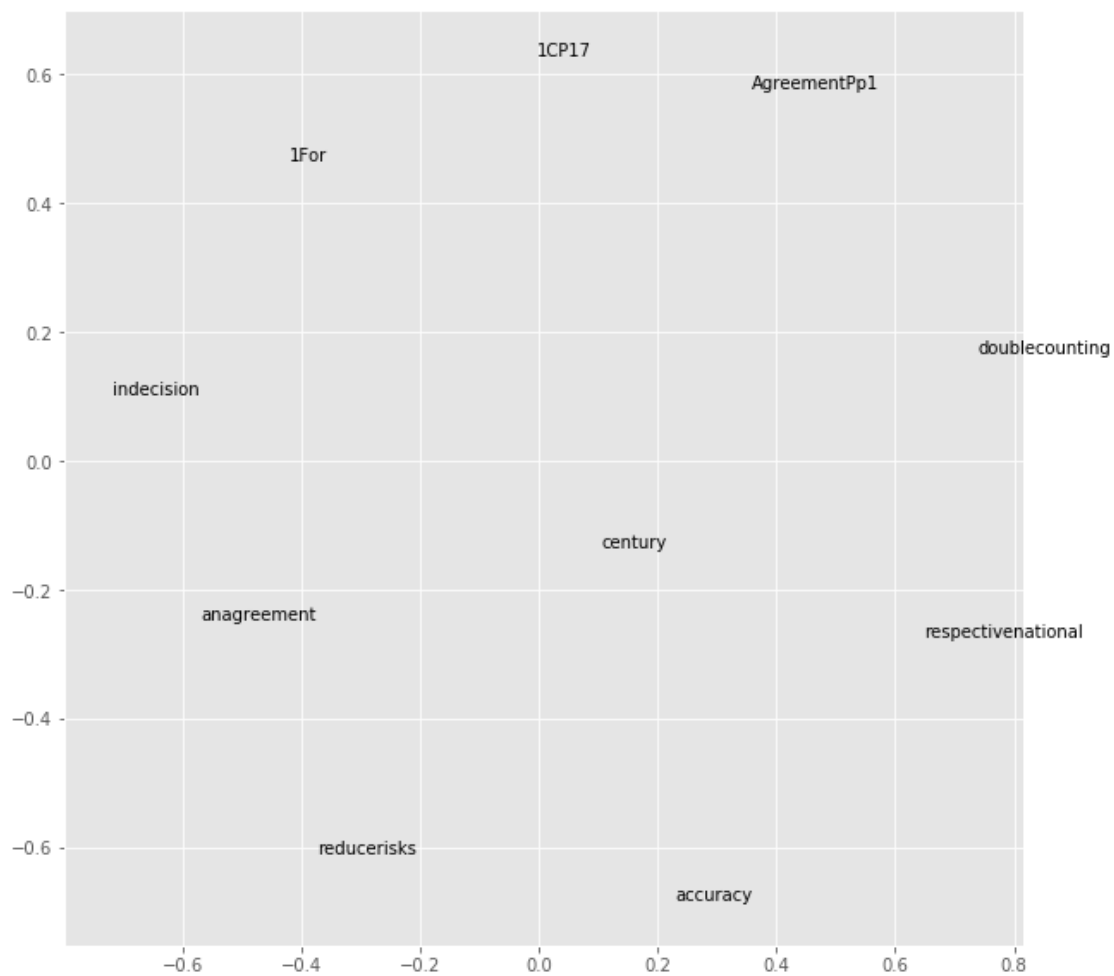


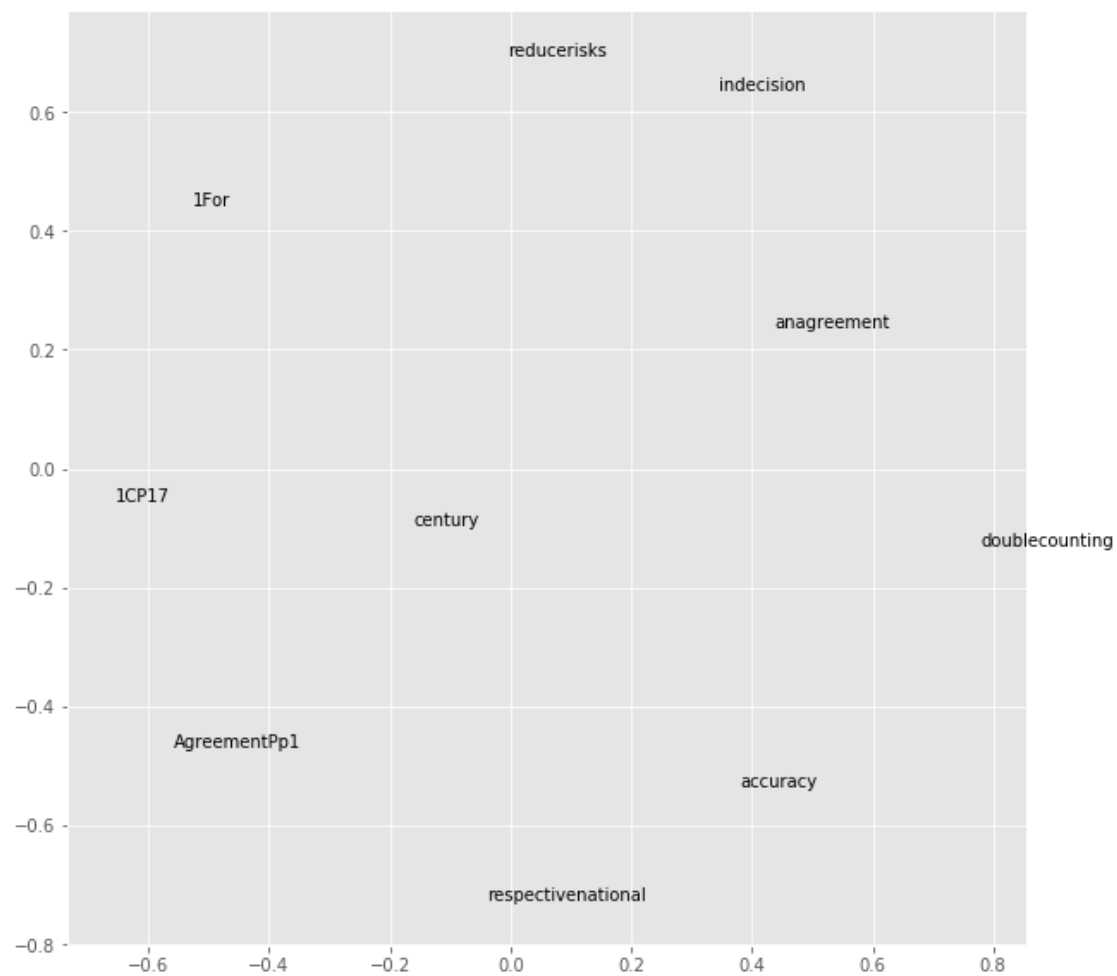
```
In [143]: _, ax = plt.subplots(figsize=(10,10))
ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
for i in range(len(vectors)):
    ax.annotate(UN_final_tokens[i], ((embeddings[i,0], embeddings[i,1])))
```

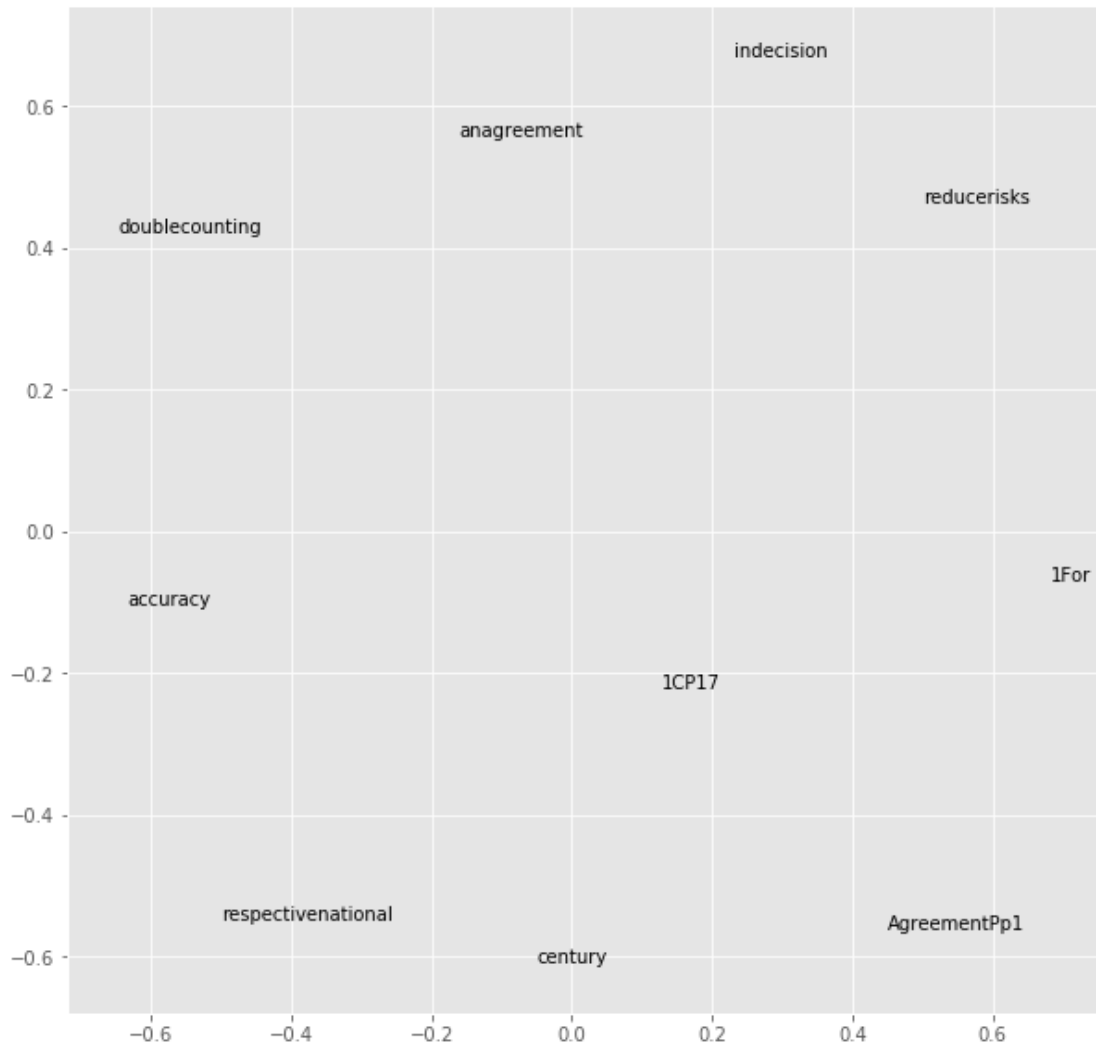


```
In [144]: for draft in draft_names:
            new_tokens = [token for token, weight in model.most_similar(positive=['Parties'],
            vectors = [model[word] for word in new_tokens]
            from sklearn.metrics import pairwise
            dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')
            from sklearn.manifold import MDS
            mds = MDS(n_components = 2, dissimilarity='precomputed')
            embeddings = mds.fit_transform(dist_matrix)
            _, ax = plt.subplots(figsize=(10,10))
            ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
            for i in range(len(vectors)):
                ax.annotate(new_tokens[i], ((embeddings[i,0], embeddings[i,1])))
```







```
In [145]: model.most_similar(positive=['Parties'], negative=['financial'])
```

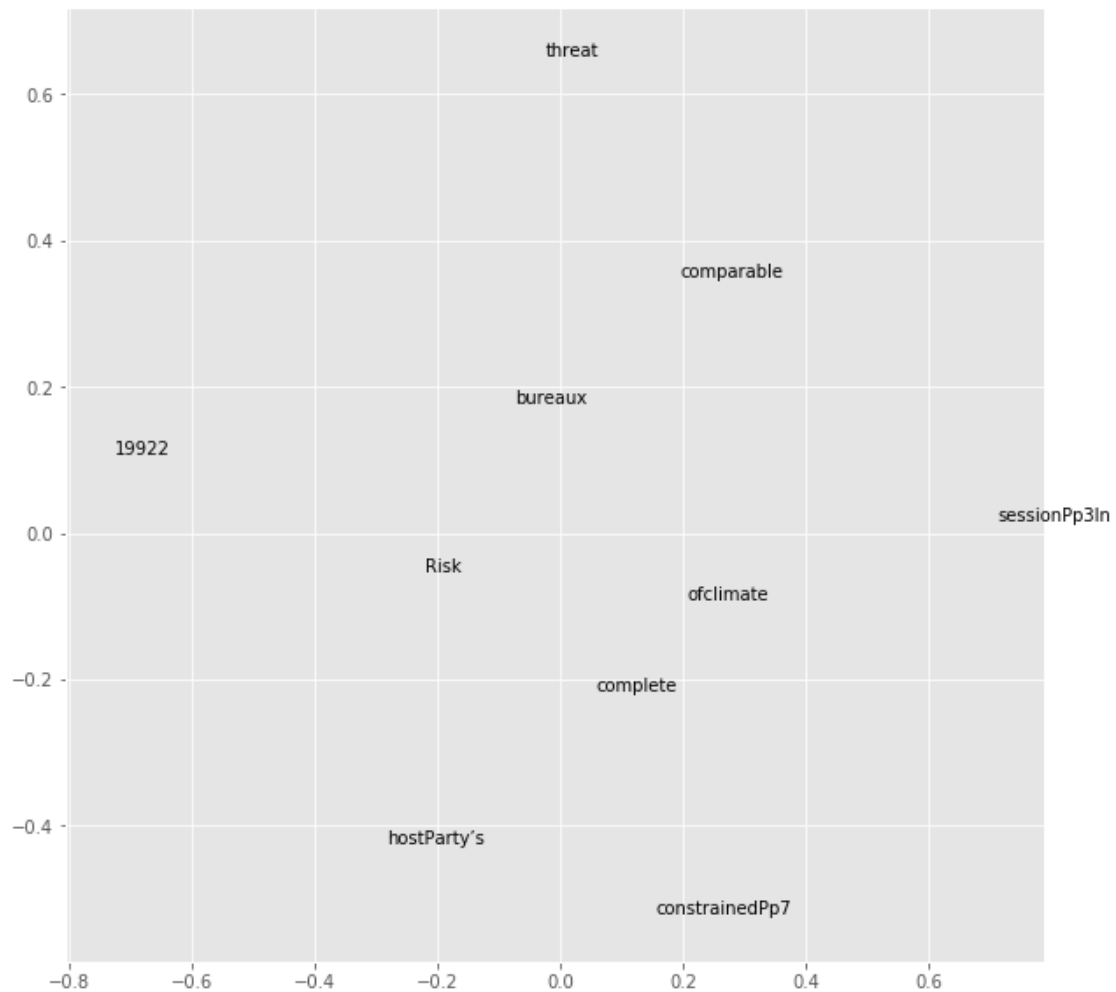
```
Out[145]: [('sessionPp3In', 0.32061904668807983),
            ('bureaux', 0.2878064811229706),
            ('constrainedPp7', 0.26486626267433167),
            ('Risk', 0.2590012550354004),
            ('complete', 0.25737276673316956),
            ('threat', 0.25728559494018555),
            ('hostPartys', 0.25586941838264465),
            ('19922', 0.23804132640361786),
            ('comparable', 0.23628172278404236),
            ('ofclimate', 0.229194775223732)]
```

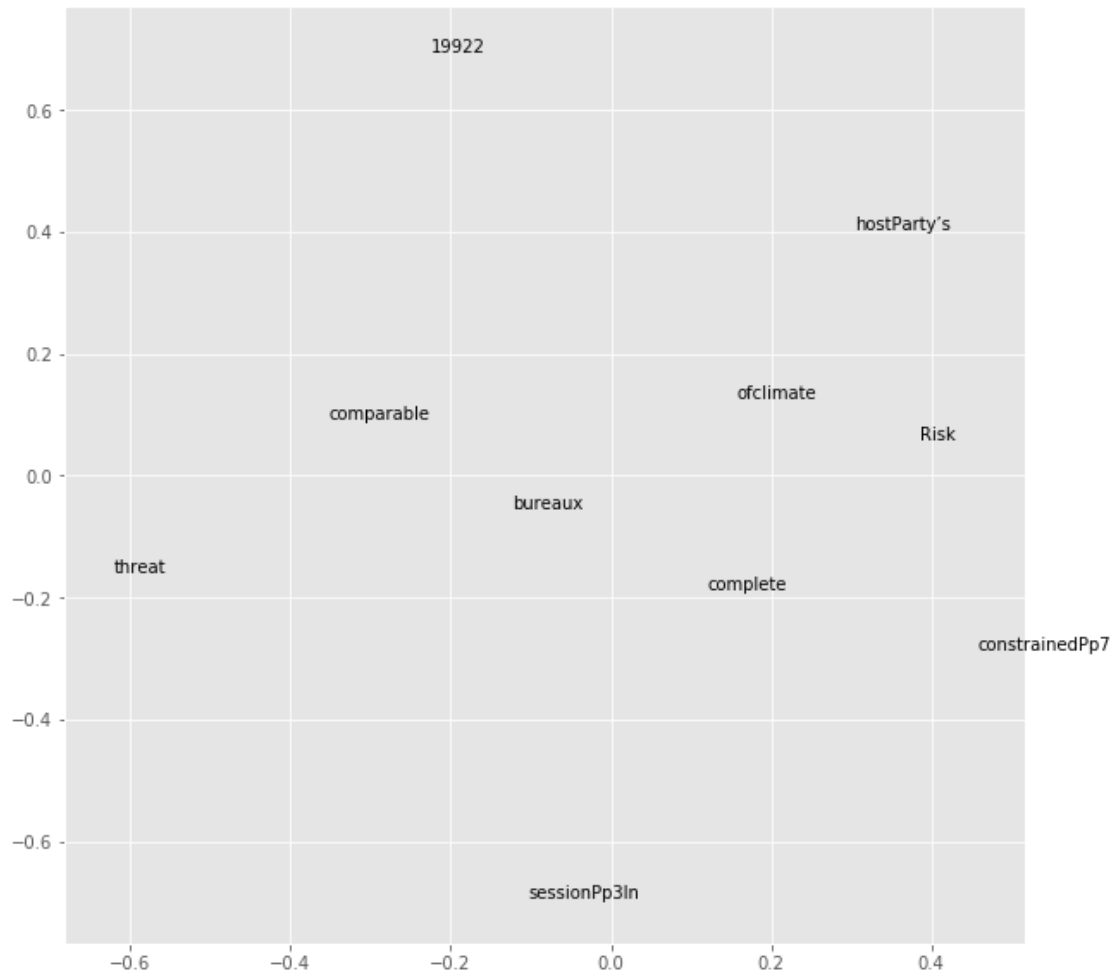
```
In [146]: for draft in draft_names:
            new_tokens = [token for token, weight in model.most_similar(positive=['Parties'],
```

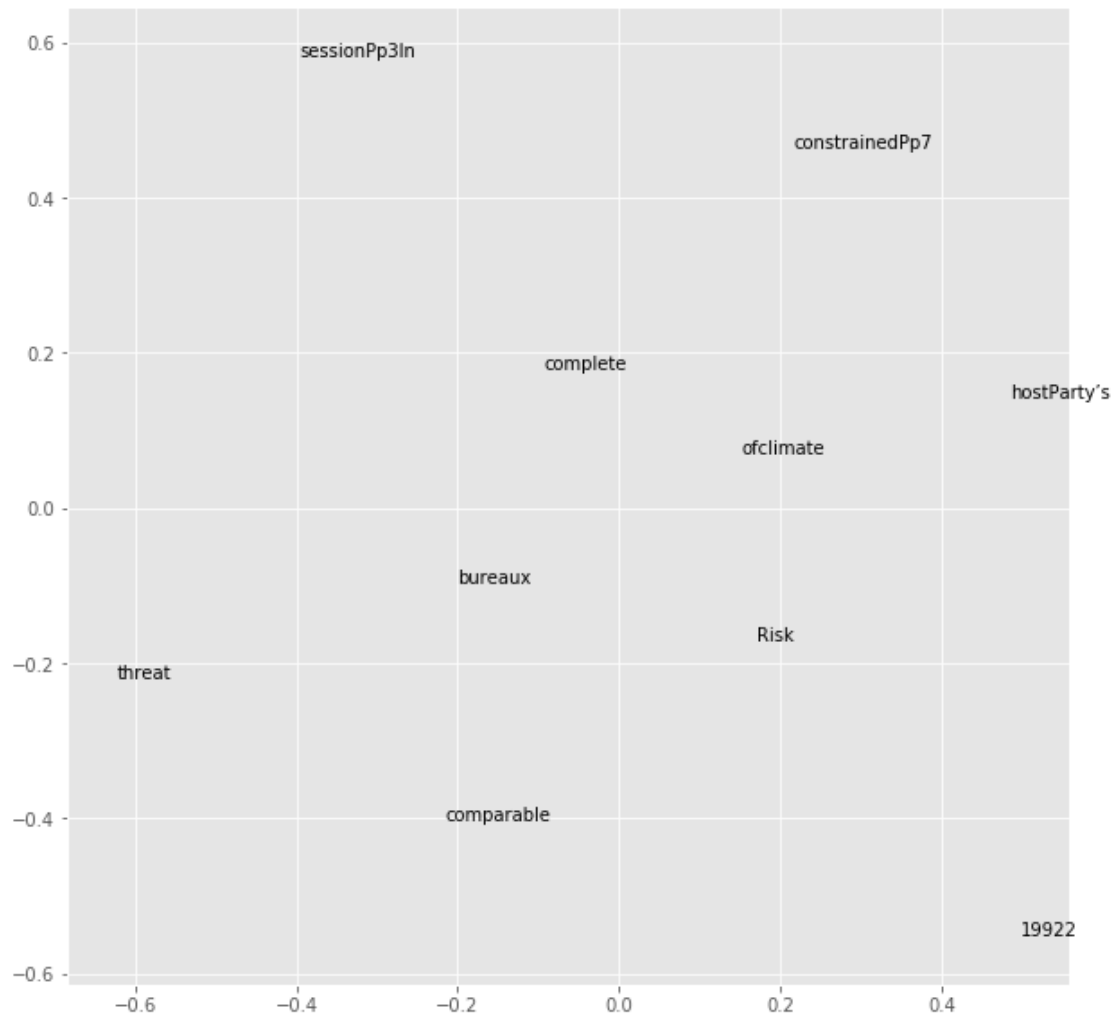
```

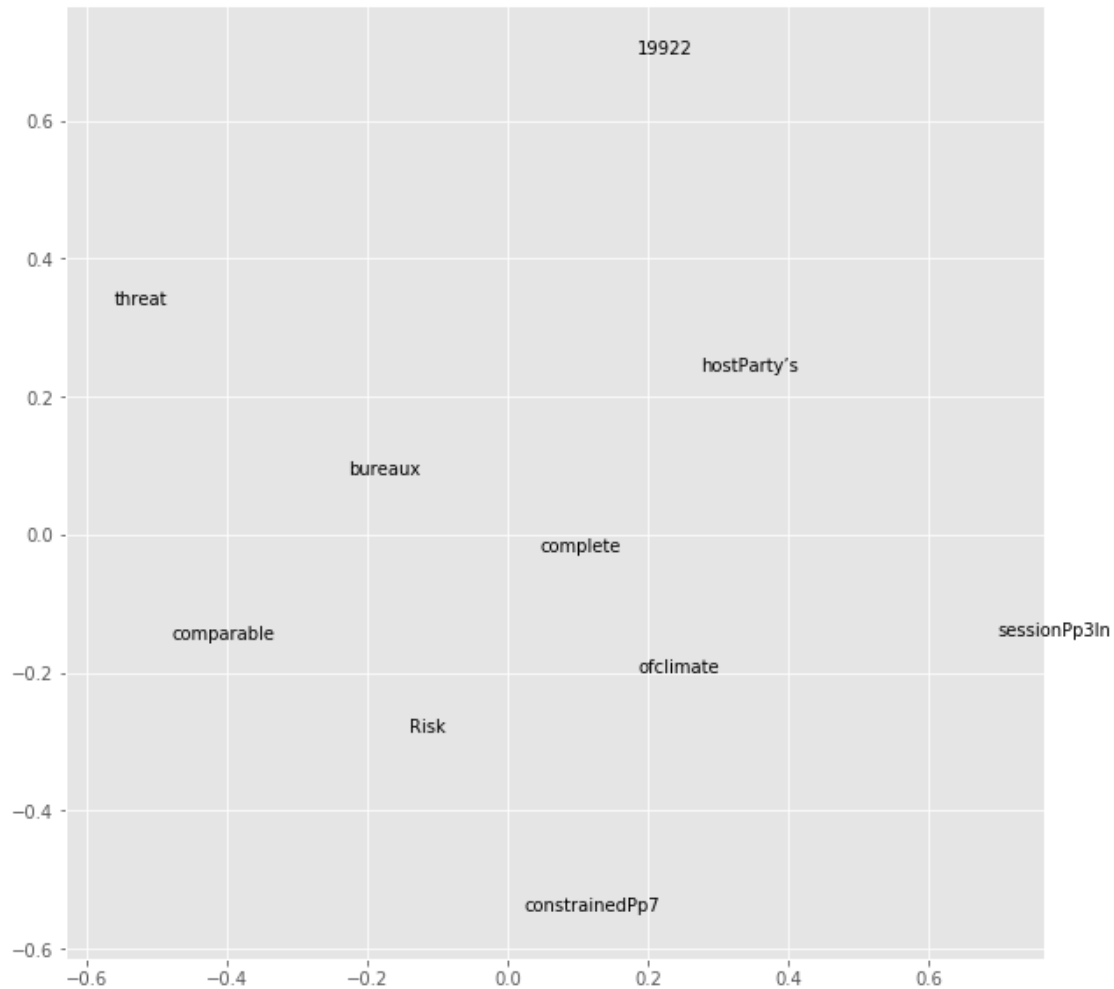
vectors = [model[word] for word in new_tokens]
from sklearn.metrics import pairwise
dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')
from sklearn.manifold import MDS
mds = MDS(n_components = 2, dissimilarity='precomputed')
embeddings = mds.fit_transform(dist_matrix)
_, ax = plt.subplots(figsize=(10,10))
ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
for i in range(len(vectors)):
    ax.annotate(new_tokens[i], ((embeddings[i,0], embeddings[i,1])))

```

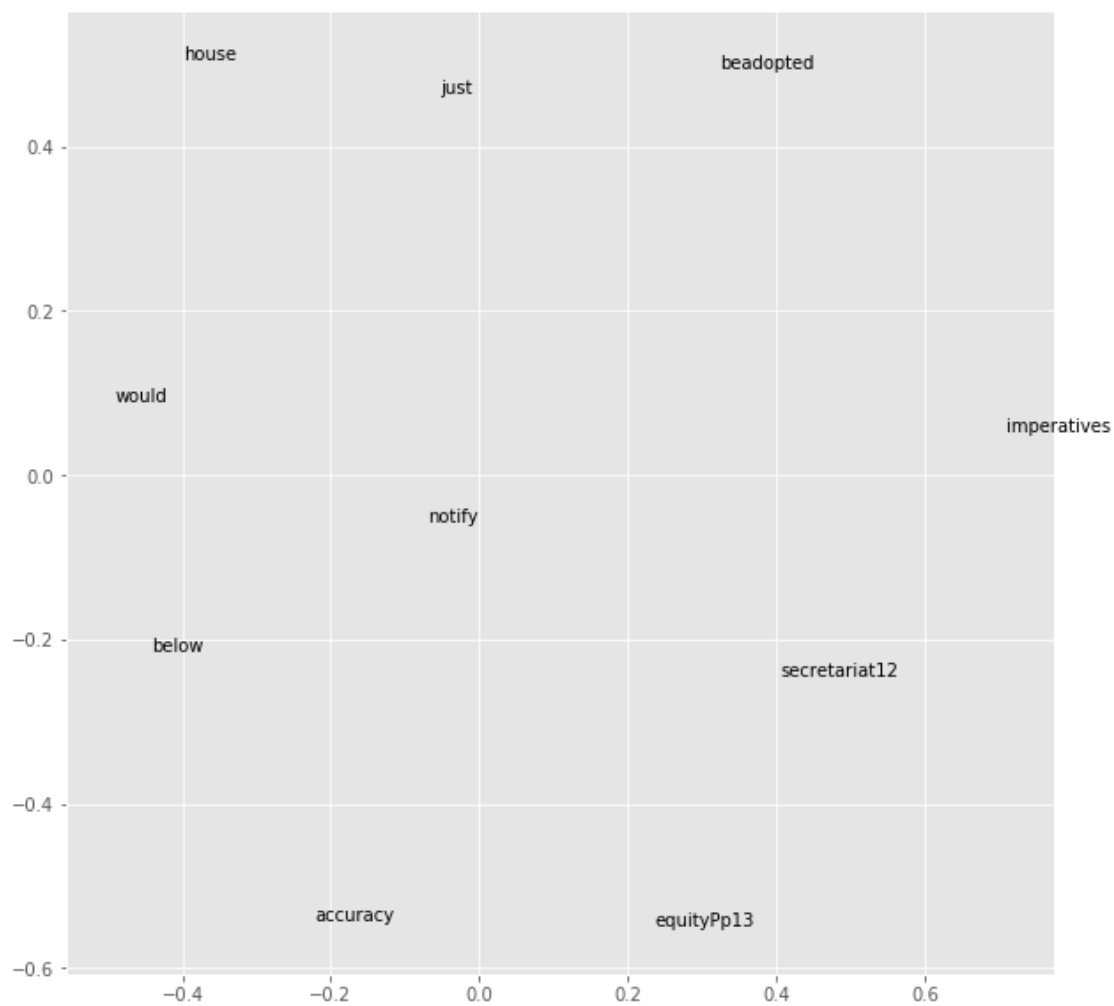


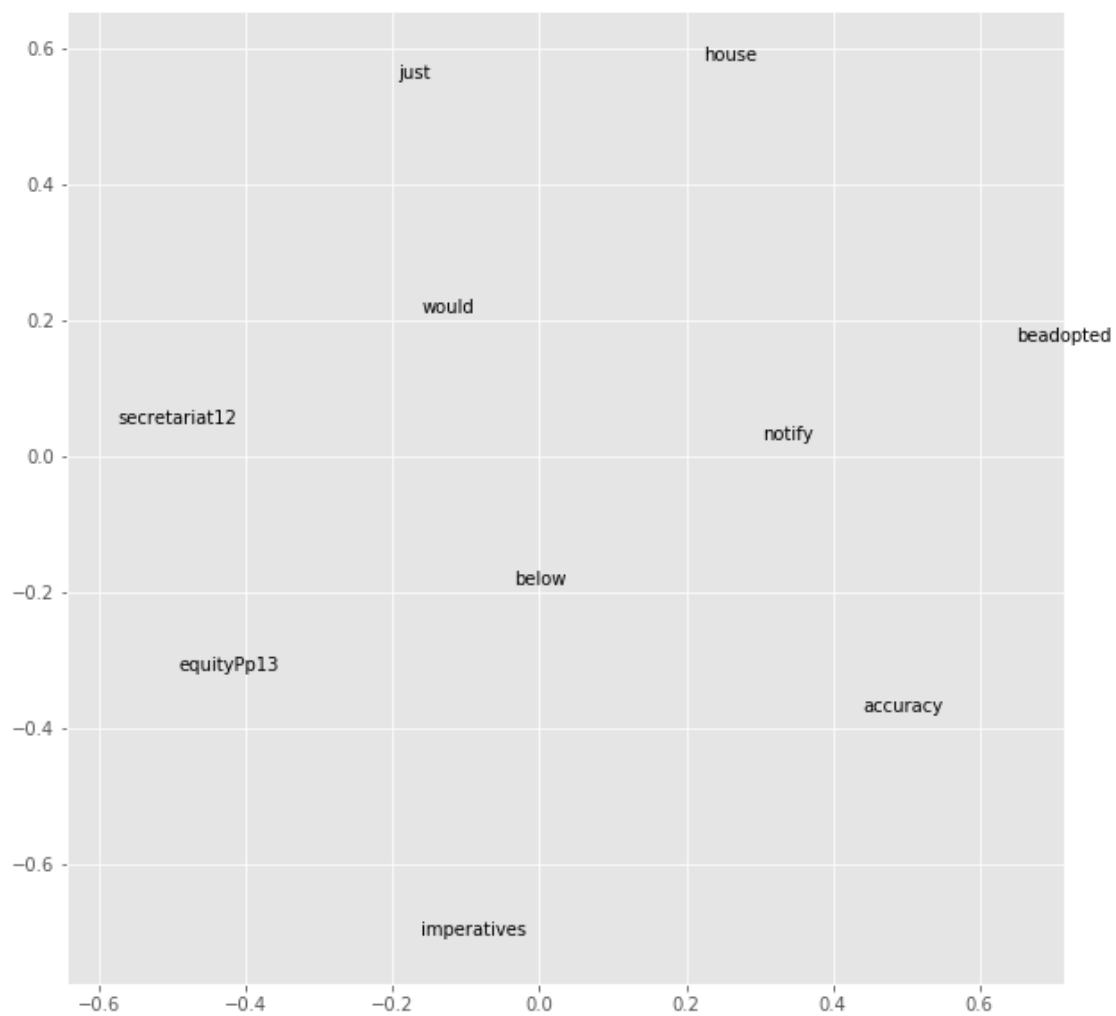


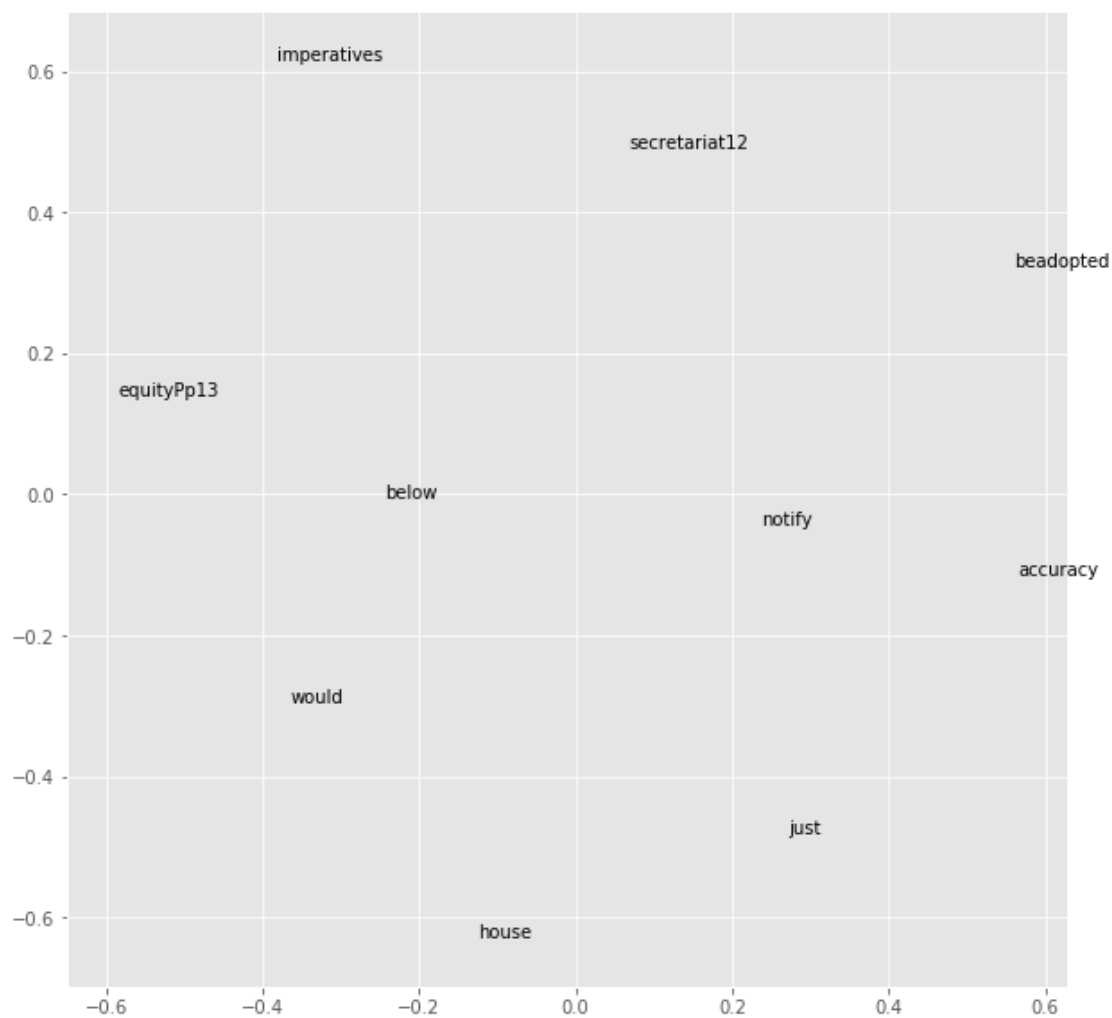


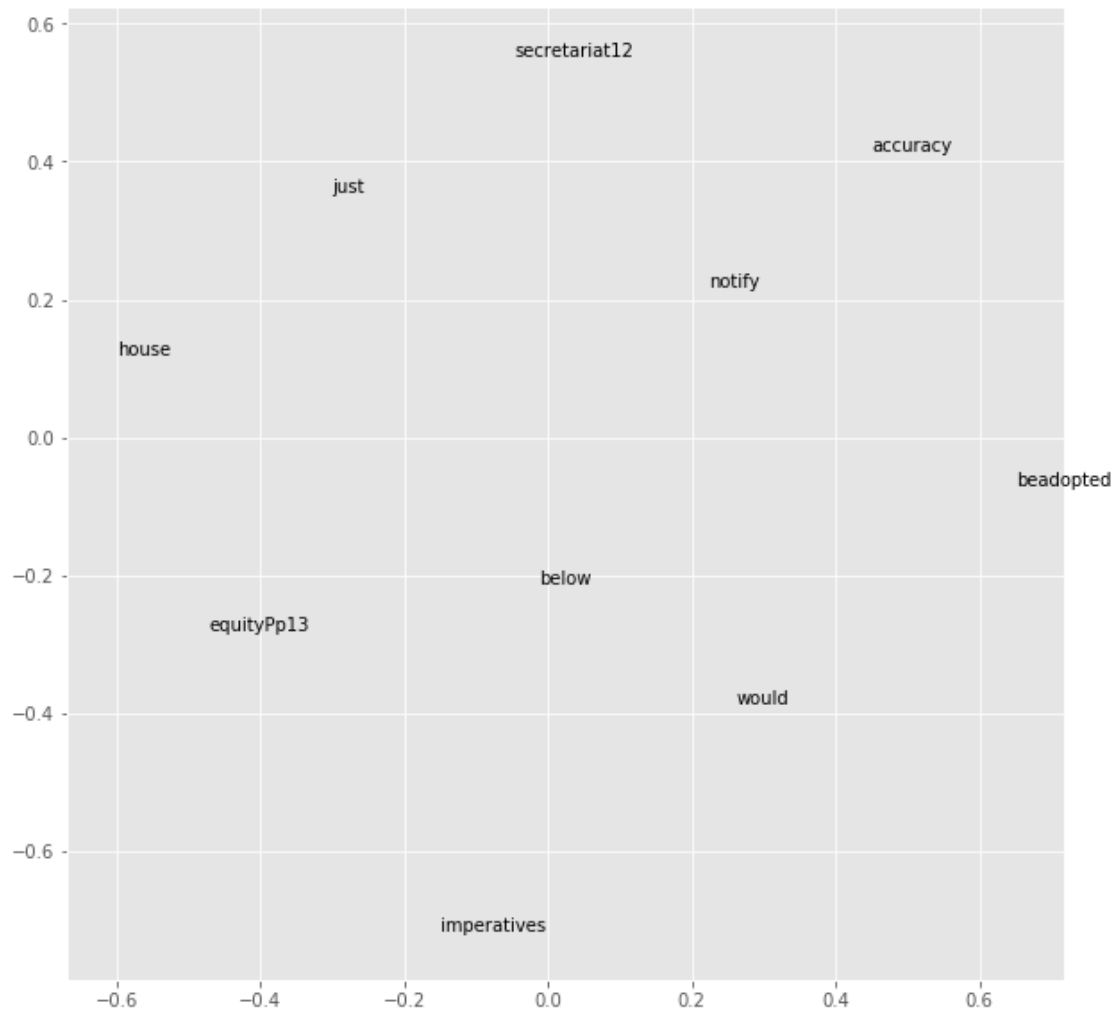


```
In [148]: for draft in draft_names:
            new_tokens = [token for token, weight in model.most_similar(positive=['Parties'],
                                vectors = [model[word] for word in new_tokens])
            from sklearn.metrics import pairwise
            dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')
            from sklearn.manifold import MDS
            mds = MDS(n_components = 2, dissimilarity='precomputed')
            embeddings = mds.fit_transform(dist_matrix)
            _, ax = plt.subplots(figsize=(10,10))
            ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
            for i in range(len(vectors)):
                ax.annotate(new_tokens[i], ((embeddings[i,0], embeddings[i,1])))
```









```
In [149]: for draft in draft_names:
    new_tokens = [token for token, weight in model.most_similar(positive=['Parties'],
    vectors = [model[word] for word in new_tokens]
    from sklearn.metrics import pairwise
    dist_matrix = pairwise.pairwise_distances(vectors, metric='cosine')
    from sklearn.manifold import MDS
    mds = MDS(n_components = 2, dissimilarity='precomputed')
    embeddings = mds.fit_transform(dist_matrix)
    _, ax = plt.subplots(figsize=(10,10))
    ax.scatter(embeddings[:,0], embeddings[:,1], alpha=0)
    for i in range(len(vectors)):
        ax.annotate(new_tokens[i], ((embeddings[i,0], embeddings[i,1])))
```