

## **OECD-KOREA CSTP WORKSHOP – DRAFT AGENDA**

### **STRENGTHENING LINKAGES BETWEEN STI AND ODA POLICIES IN ORDER TO ADDRESS THE GRAND CHALLENGES AND PROMOTE INCLUSIVE GROWTH**

**20-21 September 2018 / Seoul, Republic of Korea**

#### **INTRODUCTION**

Science, technology and innovation (STI) must contribute to finding solutions to the grand challenges facing humanity ranging from climate change, biodiversity to clean energy or public health and ageing populations. This implies orienting public investments in STI towards the grand challenges in co-operation with the private sector and civil society. Public investment in the form of Official Development Assistance (ODA) is a critical part of the funding that is needed to enhance the contribution of science and technology to the social and economic development of the less developed countries. Many of these countries are disproportionately affected by grand challenges such as climate change and loss of biodiversity.

How can the two policy domains work together to leverage ODA investments for the grand challenges while leveraging science and innovation investments for the sustainable development and inclusive growth? Which practical actions or initiatives can help both policy makers and other stakeholders strengthen collaboration between the ODA community and research and innovation Ministries?

This ground-breaking international workshop will explore the challenges and opportunities of bringing together these two policy communities to develop win-win solutions to their respective missions. It will explore the funding and governance challenges, including the need to engage with other development actors such as philanthropies and charities. It will also address the measurement issues as well as the role of frontier and digital technologies such as AI, blockchain and IOT.

#### **OBJECTIVES OF THE WORKSHOP**

The workshop will bring together policy makers and representatives of ODA agencies, research ministries, funding council and other stakeholders such as academia, public research institutes, business enterprises, and NGOs to share their ideas, experiences and best practices for promoting mutual understandings and collaboration between STI and ODA policy makers, actors and stakeholders

The workshop will focus on the following themes:

- Governance frameworks for linking ODA and STI agendas
- Effective funding models and partnerships
- Common use of statistical measures of R&D and innovation between the two communities
- The role of frontier and digital technologies in ODA

The workshop will be informed by and contribute to the ongoing OECD/CSTP projects on the International Cooperation in STI for addressing Grand Challenges. It can also provide inspiration and insight to the projects being promoted or to be carried out in the relevant OECD Committees and Working Parties.

## TENTATIVE PROGRAMME

**1<sup>st</sup> day, Thursday, 20 September 2018**

### Opening and goals of the workshop

9:00-09:20

*Welcome remarks*

- *Jin-gyu Lee, Deputy Minister (or Kyunghye Song, Director-General), MSIT, Korean Ministry of Science and ICT (TBD)*
- *Mikyung Lee, President, KOICA (or Hyun-Joo Oh, Director-General, MOFA) (TBD)*
- *Dominique Guellec, Head of the Science and Technology Policy Division, OECD*

### Keynote 1

09:20-09:40

*Overall Chair: Patrick Vock, Chair CSTP*

*Keynote Speaker:* Jeffrey Sachs, Director of the Earth Institute at Columbia University, New York (invited)

The keynote will present comprehensive trends and issues on new directions of policy linkages between STI and ODA in order to address grand challenges and inclusive growth that whole global communities are working together to solve. This speech will provide a basis for the following discussions of the first day of the workshop.

### Session 1: General trends in international STI co-operation and linkages between STI and ODA

9:40-11:00

The CSTP workshop held in Moscow on 17-18 May reaffirmed the critical role of STI for grand challenges and identified diverse and new forms of international cooperation for STI. One of recommendations in this workshop was to exploit official development assistance (ODA) more effectively for international STI cooperation for grand challenges. This session will review the discussed general trends in international STI cooperation and try to link STI and ODA in the context of general trends.

The policy linkages between STI and ODA are believed to be an effective way to mobilise innovation for sustainable development. Both STI and ODA policies are also more focusing on building international partnerships among multi-stakeholders and applying scientific and innovative problem-solving methods to address grand challenges and promote inclusive growth. The emergence of new actors is also a common feature of STI and ODA. The panel discussion will compare the two policy domains and explore the benefits and synergies when STI and ODA policy are linked. The possible cooperation areas and activities between the two communities can also be discussed in this session.

Questions to be addressed by the panel speakers include:

- What are the current trends with regard to international co-operation in STI? How much is being directed towards development and grand challenges?
- What are the interactions with ODA actions?
- How can integration of STI and ODA policy help address grand challenges and achieve more inclusive growth?
- What are the roles of and benefits to the donor countries(with strong STI capabilities) and the recipients(with weak STI capabilities) when development cooperation policy is linked with STI activities
- Who are the new and emerging players both in STI and ODA sectors? What is the new pattern of cooperation of the new actors?
- What are the possible cooperation areas and activities for synergy when promoting a joint initiative between STI and ODA

*Session Chair: Patrick Vock, Chair CSTP*

*Speakers:*

- OECD Secretariat (Mario Cervantes and Soon Jeong Hong, DSTI; Olivier Cattaneo, DCD Directorate)
- Academic or policy analyst perspective (Eun Mee Kim, Professor and Dean at the Graduate School of International Studies and the Director of the Institute for Development and Human Security at Ewha Womans University in Seoul)
- Multinational firm perspective (e.g. representative of social responsibility division of LG)
- Charity/Civil Society Organisation perspective (Korbil Kim, President, EWB(Educators without Borders, or an alternative)
- National country policy makers' perspective

*11:00-11:30 Coffee break*

## **Session 2: Common definition and measurement of R&D and innovation between the STI and ODA communities**

11:30-13:00

The ODA and STI policy communities are coming closer together especially following the adoption of the UN SDGs. However, the history, structures, and missions of each community shape their own perspective on the relationship between ODA and STI, including the conceptual aspects, statistical measurement and governance arrangements. The first step for understanding how STI and ODA policies interact is for each community to define the respective meaning of each other's activities. In other words, what is STI-oriented ODA versus what is ODA-oriented STI? The definitions should be elaborated and developed so that the measurement of "STI-oriented ODA" or ODA-oriented STI can be aligned with international measurement standards such as the Frascati Manual for R&D, the Oslo Manual for innovation and the International Development Standard (IDC) for ODA which was developed by the OECD. This session will present how to define and measure "STI-oriented ODA" and "ODA-oriented STI" activities that can be used for both STI and ODA communities to collect and produce data on R&D and innovation in development aid context.

Questions to be addressed by the panel speakers include:

- How to develop the common measurement standard of “STI-oriented ODA” and “ODA-oriented STI” activities in line with the international standards such as Frascati manual, Oslo manual or IDC.
- Are there any good examples of classification of research programmes that can be considered as an “STI-ODA” or “ODA-STI” activities?
- What kinds of approaches are needed to measure “STI-oriented ODA” and ODA-oriented STI activities and build up relevant databases?

*Session Chair: NESTI or DCD statistical body*

Experts:

- Moonki Choi, Director, MSIT, or a representative from KOICA)
- Giorgio Gualberti, Statistical Analyst, Development Co-operation Directorate, OECD
- Fernando-Galindo Rueda, Senior Economist, DSTI, OECD
- OECD Donor country perspective -tbd
- Emerging economy perspective -tbd

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13:00-14:30 Lunch break

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Chair: Dr. Yongsuk Jang, STEPI

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**Session 3: Governance and funding frameworks for linking STI and ODA agenda**

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14:30-16:00

Governance refers to all the procedures of decision-making and interaction between actors, advisors and stakeholders in planning, priority-setting, funding, and evaluating. This session will cover the governance framework for strengthening linkages between STI and ODA policy and for promoting “STI-oriented ODA” projects. It will also discuss the main challenges of current funding system in STI and ODA and explore the possibilities of developing new funding models that facilitate the collaborations between the STI and ODA actors. National policy makers and representatives will be invited to showcase the governance mechanisms and funding structures to link STI and ODA policy in their countries.

Country presentations may wish to address the following issues:

- Involvement of stakeholders’ in the priority setting and agenda setting for STI-related ODA
- Examples of national programmes (e.g in Climate, Health or Energy) which aim to link ODA policy goals and STI agendas.
- Examples of new funding models to promote joint activities for “STI-oriented ODA”.
- Key challenges and good practices when building new governance model to strengthen cooperation between the two policy domains.
- Policy co-ordination, alignment and communication

*Chair: Yongsuk Jang, STEPI*

Country presentations:

- Korea - Moonki Choi, Director, MSIT or Yool Kwon, Senior Research Fellow, KIEP
- France - Jean-Paul Moatti, CEO of French Research Institute for Development (IRD) and member of the Independent Group of Scientists of the UN Global Sustainable Development Report.
- Sweden - AnnaMaria Oltorp, Head of Research Collaboration, Swedish International Development Agency- SIDA (tbc).
- Norway - Kristin Danielsen, International Director, Norwegian Research Council
- Japan - *tbd*

*16:00-16:30: Coffee break*

**Session 4: The role of frontier technologies in STI related ODA programmes: Supply-push or demand-led?**

16:30-18:00

There is a debate whether the STI agenda for ODA is too supply-side, and technology focused, given the limited absorptive capacity, lack of infrastructures, human capital and even the lack of markets in many developing countries.

However the current wave of digital and frontier technologies such as AI, blockchain and IOT are diffusing very fast at lower prices. Renewable energy (e.g. photovoltaic) costs have come down making electricity more affordable in some countries and allowing countries to build the appropriate ICT infrastructures to make use of these technologies in a developing country context. These technologies can also improve the processes of ODA itself by improving the speed of information exchange and building trust.

Questions to be addressed by the panel speakers include:

- Are donor countries and organisations ready to support adoption and diffusion of frontier technologies in developing country innovation system?
- How can developing country innovation ecosystems be strengthened?
- What lessons from charities and business (e.g. Tech for Good)
- What lessons from the successful experience or failures in promoting frontier technologies in a developing country context?

*Chair: Dominique Guellec, Head of the OECD's Science and Technology Policy Division*

*Possible Speakers:*

- Developing country perspective - Uchita De Zoysa, Advisor to the Government of Sri Lanka on the UN SDGs
- OECD National Research funding council
- Bill and Melinda Gates Foundation speaker (invited, tbc)
- Technology expert
- World Bank representative

*18:30-20:30: Evening welcome reception hosted by Science and Technology Policy Institute*

**2<sup>nd</sup> day, Thursday, 21 September 2018**

### High-level panel discussion

09:30-09:50

*Overall Chair: Patrick Vock, Chair CSTP*

*Keynote Speakers:*

- OECD government official
- Mikyung Lee, President, KOICA or Chair of Committee for International Development Cooperation
- Senior official from MOST or CASTED, China,
- Louise Wren, Wellcome Trust, United Kingdom

While the first day of workshop will discuss diverse issues for policy linkages between STI and ODA, more systematic approach will be need to ensure that the joint actions between the two communities are realised and implemented in the world. Stakeholders from various backgrounds will discuss areas where international knowledge exchange could strengthen national policy frameworks to link ODA and STI policies. They will also discuss areas where joint action may be required, including in the revision of existing OECD guidelines.

### Session 5-a: Towards developing new OECD policy and measurement guidelines

09:50-11:00

As the involvement of diverse stakeholders is increasingly important in both STI and ODA, there is also a growing need to build an international policy framework under which actors in both communities can form a collaboration partnership and promote joint activities with common goals. One of the essential frameworks is to create an international policy guidelines and measurement standard which help governments and private actors to share policy information and to launch joint initiatives.

In this session, the OECD Secretariat will present the main recommendations from each of the preceding 4 sessions of the workshop that could contribute to the development of OECD Recommendations for international co-operation in STI in the following areas.

- Governance and funding arrangements to better align STI and ODA
- Treatment of R&D and innovation in ODA statistical frameworks
- Role of frontier technologies in STI -related ODA
- Monitoring and evaluating implementation of STI related ODA actions

*Overall Chair: Patrick Vock, Chair CSTP*

*Two speakers:*

- *NESTI or DCD speaker*
- *CSTP Secretariat speaker*

11:00-11:30 Coffee break

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**Session 5-b: Small group discussion & brainstorming**

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11:30-13:00

Participants will be divided into several small groups for in-depth discussions and brainstorming on developing the international policy guideline and measurement standards. The results of break-out discussions will be reported to the following wrap-up sessions

Questions to be addressed by the break-out groups include:

- What international policy guidelines and measurements standards are currently used in STI and ODA domains?
- Should new guidelines and measurement standards be developed by revising existing ones or creating new ones?
- What issues should be addressed in the international policy guidelines? For example, should the guidelines provide insights on attracting inward, and promoting outward technology-intensive FDI, including in the context of ODA financing?
- Which classification criteria and measurement methodologies can be applied to develop measurement standards?
- Which international organisations (e.g. OECD, UNESCO, Eurostat, World Bank) should take the (joint) initiative to develop international policy guidelines and measurement standards?
- How should progress on the implementation of guidelines be monitored?

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13:00-14:30 Lunch break

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**Session 5-c: Wrap-up session breakout groups, next steps**

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This session will discuss the wrap-up of the breakout sessions and the next steps.

14:30-16:00

*Overall Chair: Patrick Vock, Chair CSTP*

*Rapporteurs: OECD Secretariat and STEPI*

*Summarising discussions from the breakout groups on possible revision to OECD recommendations*

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**Closing remarks**

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16:00-16:30

*Overall Chair: Patrick Vock, Chair CSTP*

- *Korean Ministry of Science and ICT (Kyunghee Song, Director-General, MSIT)*
- *Byongwon Park, STEPI (or Chiung Song, Director, STEPI)*
- *Jorge Moreira Da Silva, Director, Development Co-operation Directorate, OECD*
- *Dominique Guellec, Head of the Science and Technology Policy Division, OECD*