**L347/81**

**REGULATION (EU) No 1290/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**of 11 December 2013 laying down the rules for participation and dissemination in "Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020)" and repealing Regulation (EC) No 1906/2006**

**(23 pages)**

**It refers to all the regulations the Horizon 2020’s commission must obey. For instance:**

*- Guidance and information is made available to all potential participants at the time of publication of the call for proposals.*

*- The selection and award criteria laid down in this Regulation should be applied in a transparent way and based on objective and measurable parameters.*

*- Personal data relating to the experts should be processed in accordance with Regulation (EC) No 45/2001 of the European Parliament and of the Council (5).*

*Basically, the document is full of articles like the exemplified before. These articles explain each and every one of the regulations that have to be obeyed in the Horizon 2020 programme.*

**In my opinion, these regulations are not relevant in our project, since they are related to the Horizon 2020 commission and not to the candidates.**

**L347/965**

**DECISIONS**

**COUNCIL DECISION**

**of 3 December 2013**

**establishing the specific programme implementing Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) and repealing Decisions 2006/971/EC, 2006/972/EC, 2006/973/EC, 2006/974/EC and 2006/975/EC**

**(77 pages)**

**This document contains all the regulations that the Horizon 2020 programme must obey. For example:**

*- There should be an appropriate balance between small and large projects within the priority "Societal chal­ lenges" and the specific objective "Leadership in enabling and industrial technologies".*

*- The Scientific Council shall be composed of scientists, engineers and scholars of the highest repute and appropriate expertise, of both women and men in different age groups, ensuring a diversity of research areas and acting in their personal capacity, independent of extraneous interests.*

**So once again, I think this document is not important to our proposal development. However, I would keep it stored. Maybe in the future we could need to consult some aspects on it.**

**L 347/104**

**REGULATION (EU) No 1291/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2013**

**Establishing Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020) and repealing Decision No 1982/2006/EC**

**(70 pages)**

**It is very similar to the previous documents.**

* *To achieve maximum impact, Horizon 2020 should develop close synergies with other Union programmes in areas such as education, space, environment, energy, agriculture and fisheries, competitiveness and SMEs, internal security, culture and media.*
* *It is important to ensure sound financial management of Horizon 2020 and its implementation in the most effective and user-friendly manner possible, while also ensuring legal certainty and the accessibility of Horizon 2020 to all participants. It is necessary to ensure compliance with Regulation (EU, Euratom) No 966/2012 of the European Parliament and of the Council (1) and with the requirements of simplification and better regulation.*
* *All the research and innovation activities carried out under Horizon 2020 shall comply with ethical principles and relevant national, Union and international legislation, including the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights and its Supplementary Protocols.*

**The same occurs with this document. It is interesting for instance knowing that one important factor that is considered by the commission is the accomplishment of the ethical principles. But it is not really relevant since I think that for sure all we will accomplish this principles in our project. But is still interesting to consider that ideas anyway.**

**HORIZON 2020  WORK PROGRAMME 2014 – 2015**

**GENERAL INTRODUCTION**

**(29 pages)**

1. General Introduction

* 1. Overview

1.2  Key drivers

1.3  Maximising Impact

1.3.1 Focusing on the parts of the societal challenges with high potential for sustainable competitiveness, innovation and growth

1.3.2  Supporting innovation

1.3.3  Dedicated measures to leverage and boost engagement of industry,

including SMEs

1.3.4  Providing access to finance

1.3.5  Developing new knowledge and skills

1.3.6  Boosting the industrial deployment of enabling technologies

1.3.7  Closing the research and innovation divide

1.3.8  Strong partnership with Member States

1.3.9  International cooperation

1.4  Cross cutting issues in Horizon 2020

1.5  Communication, open access to research results and a new emphasis on data management

1.6  Synergies with European Structural and Investment Funds (ESIF)

1.7  Focus areas in the Work Programme

**Explains the context in which the Work Programme was developed and the key drivers which it focuses on. Covering the period 2014-2015, the Work Programme sets out calls for proposals, each of which containing topics, and the other actions such as public procurements.**

*“There is untapped potential for the European economy* ***to be more innovative, productive and competitive whilst using fewer resources and reducing environmental impact****. Combating climate change is a global challenge, but also provides a unique opportunity to shift to a sustainable, low-carbon economy, therefore 35% of the Horizon 2020 funds will be climate change related. “*

*“New knowledge, technologies and innovations can turn these challenges into opportunities. The roll out of the digital economy will bring benefits across all sectors, through enhanced productivity, efficiency and innovation.* ***Growth opportunities will come from new sources, such as the oceans and seas, smart cities, space applications,*** *high performance computing and more efficient use and reuse of waste and raw materials, water, biomass and biomass processing by-products. Opportunities will also come from new forms of innovation, such as social and public sector innovation, and by integrating perspectives from social sciences and humanities. “*

**These are the key drivers, which I think is the more useful part of the document:**

**KEY DRIVERS:**

* Focusing on parts of the societal challenges with high potential for sustainable  competiveness, innovation and growth;
* Using dedicated measures to leverage and boost engagement of industry,  including SMEs;
* Providing access to finance, which is an essential condition for successful  innovation;
* Developing the new knowledge and contributing to skills, which underpin excellent research and innovation, and promoting EU excellence;
* Boosting the industrial deployment of enabling technologies;
* Addressing the research and innovation divide;
* Supporting strong partnership with Member States;
* Ensuring a strategic approach to international cooperation, strengthen the EU's scientific excellence and its economic competitiveness, to jointly tackle global societal challenges and contribute to the EU's external policies.

**During the entire document it is explained why this Horizon2020 project has been created. Which are the reasons to think that it is useful for the European economy, the benefits of invest in scientific innovation, of give opportunities to SMEs, etc.**

**I think this information could help us to understand in a better way the Horizon 2020 project so it would be interesting to be ridden. However, it is not essential information. In my opinion, the most important part is the Key drivers, summarized previously with its main points.**

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PROJECT IDEAS:

* **Global** [**Internet**](http://en.wikipedia.org/wiki/Internet) **broadband service:** it would be interesting to take a look at Project Loon (Google) and at the ideas of Elon Musk in this way. Even it could be applied the same philosophy to other applications where nearer satellites could work in a better way.
* **Disaster Monitoring Constellation**
* **New telescope system using a satellites array.**