

Innovation and climate change : the role of scientific and technological assessment

Public hearing by OPECST and EPTA

September 24th 2015, National Assembly, salle Lamartine

Draft schedule (v.22/06/2015)

9:00 to 9:45 a.m.: Opening ceremony:

Mr. Claude Bartolone, president of the National Assembly

Mr. Jean-Yves Le Déaut, MP, president of OPECST, president of EPTA for 2015

Mr. Bruno Sido, senator, first VP of OPECST

Mr. Jean Jouzel, **member of the IPCC bureau, CNRS gold medal recipient**

Mrs. Ségolène Royal, minister of Ecology, Sustainable Development and Energy

Mr. Laurent Fabius, minister of Foreign Affairs and International Development

(or Mrs. Laurence Tubiana, Ambassador and Special Representative for COP21)

Mrs. Patricia Lips, chair of the Committee on Education, Research and Technology Assessment at the German Bundestag

9:45 to 11:15 a.m.: First workshop: Innovation for energy efficiency of buildings

Introductory speeches (3 min. each)

- **How to lower greenhouse gas emissions during house construction?**
- What is the real impact of low-energy and passive houses on climate change?
- **How does innovation help energy efficient refurbishment?**
- Refurbish or rebuild: how do assessment techniques allow to choose?

Open debate (3 min. max. per speech; speakers may take the floor multiple times)

11:00 a.m.: New frontiers:

- Current developments in photovoltaics
- The future of energy storage

11:15 to 12:45 a.m.: Second workshop: Innovation for transportation and **mobilities**

Introductory speeches (3 min. each)

- What are the current developments in **motor and engine** technologies?
- How to assess the energy efficiency and the environmental impact of various fuel types?

- How to evaluate current social trends in mobilities?
- What transportation mix to lower greenhouse gas emissions?

Open debate (3 min. max. per speech; speakers may take the floor multiple times)

12:40 a.m.: New frontier: How to promote new patterns of **transport?**

2:45 p.m.: Speech by Mr. Thierry Mandon, **minister of Higher Education and Research**

3:00 to 4:30 p.m.: Third workshop: Innovation to feed the world with minimal greenhouse gas emissions

Introductory speeches (3 min. each)

- Can agricultural development and the reduction of greenhouse gas emissions go hand in hand?
- What innovative agricultural techniques can help tackle challenges linked with climate change and population growth?
- What are the conditions for frugal innovation to be successful?
- How could spatial data and modeling help reduce greenhouse gas emissions?

Open debate (3 min. max. per speech; speakers may take the floor multiple times)

4:20 p.m.: New frontiers:

- From sun to oil: can carbon be stored by the means of CO₂ conversion?
- Adaptation to climate change

4:30 to 6:00 p.m.: Fourth workshop: Citizens' involvement in the use of smart technologies

Introductory speeches (3 min. each)

- **Can information and education improve people's habits?**
- Are there levers to address climate change beyond regulation and fiscal policy?
- How to allow citizens to take part in active energy management and **new means of transportation?**
- How does taking part in the decision process influence personal, day-to-day involvement?

Open debate (3 min. max. per speech; speakers may take the floor multiple times)

5:55 p.m.: New frontier: Assessment of local and national initiatives for the involvement of citizens in innovative solutions for buildings, transportation and agriculture

6:00 p.m.: Presentation of EPTA's white paper and conclusion

Mr. Jean-Yves Le Déaut, MP, president of OPECST, president of EPTA for 2015: EPTA's contribution for the COP 21 Agenda of solutions.