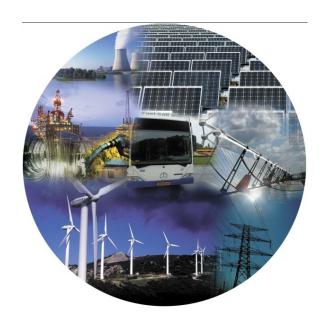




2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

#### 2nd EU-US workshop on Smart Grid assessment methodologies – Washington DC 7th

#### **November 2011**



G.F. De Santi

Director

Institute for Energy and Transport

European Commission's Joint Research Centre



#### The JRC inside the European Commission



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

2









President José Manuel Barroso

**27 Commission Members** 

Commissioner

Mairé Geoghegan-Quinn

Research, Innovation & Science

Director-General **Dominique Ristori**,

Joint Research Centre

DG Research & Innovation (RTD)

7 JRC Institutes

Director Giovanni De Santi

JRC Institute for Energy & Transport



#### **Institute for Energy and Transport: mission**



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

3



The mission of the JRC-IET is to provide support to Community policies and technology innovation to ensure sustainable, safe, secure and efficient energy production, distribution and use and to foster sustainable and efficient transport in Europe.



#### **IET** - Main competence areas



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

4



- Renewable energy
- Sustainable & safe nuclear energy
- Security of energy supply
- Energy techno/economic assessment
- Bioenergy including biofuels
- Hydrogen and fuel cells
- Clean fossil fuel
- Sustainable transport
- Energy efficiency







### The Institute for Energy and Transport and the activities on Smart Grids



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

5

## JRC-IET increasingly contributing to research and policy initiatives assessing/promoting Smart Grids

- Smart Grid Task Force (Reference Group)
  - Smart Grid standardisation
- Strategic Energy Technology (SET)-Plan
  - SET-Plan Information System (SETIS)
  - European Electricity Grids Initiative (EEGI)
  - European Energy Research Alliance (EERA) on Smart Grids
- Modelling and experimental activities
  - Europe-wide power system modelling
  - Advanced real time simulation for experimental activities



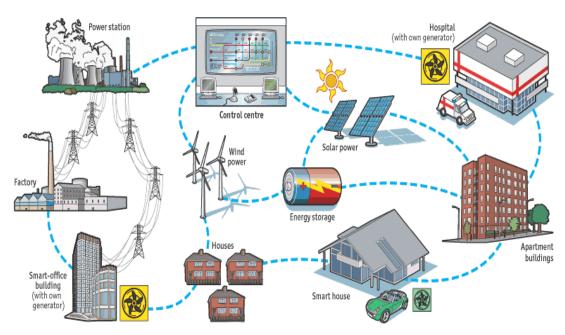
#### **EU-US cooperation on Smart Grid assessment methodologies**



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

6

Mutual interest in sharing lessons learned and best practices on Smart Grids. Both in Europe and in the US the focus is on demonstration projects to collect sufficient real-world field data to verify the costs, performance and benefits of smart grid technologies.





#### The aim of this meeting...



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

- 7
- Find common ground in Smart Grid assessment methodologies in EU and US
- Foster knowledge sharing and technical assistance across the Atlantic
- Build common approaches in assessment frameworks for Smart
   Grid advances, benefits, and impacts









#### **EU-US cooperation on Smart Grid assessment methodologies**



2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

- As a basis of discussion for the meeting, JRC and DoE have drafted a joint working document on "EU-US cooperation on Smart Grid assessment methodologies"
- The document will be integrated with the results of today's meeting discussion
- This is possibly a first step toward a JRC-DoE report on Smart Grid assessment methodologies and other joint initiatives on this theme

0





2<sup>nd</sup> EU-US workshop on Smart Grid assessment methodologies – Washington DC 7<sup>th</sup> November 2011

# Thank you for your attention

## Smart Electricity Systems http://ses.jrc.ec.europa.eu/



## Institute for Energy and Transport

http://iet.jrc.ec.europa.eu/

