



# What Future Internet means for Smart Energy ? Feedback from the session

15 April 2010

Valencia

# Smart Energy FIA Session objectives



1. Get a common vision of where ICT and the Future Internet could help in energy savings (PPP, ETPs). 2 different areas :
  - How to reduce telecom infrastructure energy consumption : **Network savings/scavenge** (protocols, infrastructure, devices, ...)
  - How to help people to reduce their energy consumption with innovative services : **Application savings** (smart metering, home automation, eApplications, tele-transportation, ...)
2. Identify the research topics where ICT could bring features to decrease energy consumption
3. Identify those research topics which are already covered by existing research projects and see how they could contribute to the Future internet design.
4. Propose new projects ideas for the missing ones

# Feedback



- The presentations cover all the SE sector : Utility view, Smart grid, research use cases, standardisation, social economics
- A lot of interaction with participants
- A short panel session where panellist have asked to propose their R&D priorities :
  - Development of ICT skills to allow end users to improve their energy consumption behaviour
  - Integration between power grid and ICT networks
  - A need to insure interoperability through standardisation
  - Management of large amount of data
  - ICT network energy efficiency
  - Deployment of sensors and communication in a cost-effective manner

# Next steps



- Collect the names of people interested (end of the week)
- Setup a mailing list with interested people (end April)
- Launch a survey in order to collect ideas from participants (end May)
- Analyse/classify ideas (end June) -> setup an editing group
- Identify which one are already covered by existing projects (end August)
- Come back to PPP and ETPs with the non covered topics (if any) in order to help new project proposals to rise. (end September)
- Publish a white paper collecting all these information (November in preparation to the next FIA) in order to :
  - Facilitate existing research projects to participate to the Future Internet design.
  - Provide recommendation to any ICT project to help them to take into account this cross issue.

# ANNEX

# Smart Energy session agenda

11h30 – 11h45 : Session introduction : **Pierre-Yves Danet**  
(FT)

11h45 – 12h45: Smart energy panorama

- Energy Utility vision : Asier Moltó Llovet (REE)
- Smart grid vision : Duncan Botting (Smartgrids ETP)
- Open challenges enabled by Future Internet : Mikhail Simonov (ISMB)
- M2M standardisation activities : David Boswarthick (ETSI M2M)

12h45 – 13h00 : Socio economy analysis

- Gabriella Cattaneo (IDC)

13h00 -13h20 : Panel session Q&A with speakers

- Moderator Roger Torrenti (Sigma-Orionis)

13h20 – 13h00 : Conclusion and next steps : PY Danet

Thanks !