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***Working Group on  
Leading-Edge Applications***

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# Outline



- Objectives
- Workshops
- Meetings
- Current status of the SAA
- Future Work

# Objectives of WG on Apps.



- To establish further links between M&W Comms. and other areas.
- To find new applications for M&W Comms..
- To get disruptive ideas for R&D in M&W Comms..
- To gather further contributions to the SRA (Strategic Research Agenda).
- To establish an SAA (Strategic Applications Agenda).

# Topics



- Initially, the WG addressed many areas of applications, e.g.:
  - Health & Inclusion,
  - Transport,
  - Environment,
  - Media and Entertainment,
  - Banking,
  - Clothing and Footwear,
  - Sports.

# Workshops (1)



- Workshops have been held with invited speakers with a non-engineering telecommunications background:
  - 2006-May-22, hosted by Deutsche Telekom, Bonn, DE,
  - 2007-Sep-25, hosted by Telecom Italia, Rome, IT,
  - 2008-Oct-15, hosted by Ericsson, Stockholm, SE.

# Workshops (2)



- Speakers from 3<sup>rd</sup> edition:
  - Dr. Alison Marshall, Univ. Leeds, UK, *Challenges and Opportunities in the Use of Mobile Communications in Healthcare*
  - Dr. Djamel Khadraoui, CRP Henri Tudor, LU, *Mobility and Multi-Modal Transport Problems*

## Workshops (3)



- Dr. Willem Vereecken, Univ. Ghent, BE, *Estimating and Mitigating the Power Consumption of ICT*
- Dr. Deepak Agrawal, SAP Research, DE, *Mobile and Wireless Communication in Business Applications*
- Prof. Joe Nandhakumar, Univ. Warwick, UK, *Social and Organisational Impact of Mobile Technologies*

# Meetings



- Meetings have been / are being held as follows:
  - 2007-Sep-26, hosted by Telecom Italia, Rome, IT,
  - 2008-Feb-11, hosted by IST-TUL, Lisbon, PT,
  - 2008-Oct-17, hosted by Ericsson, Stockholm, SE.

# SAA Focus



- The SAA (Strategic Applications Agenda) is focusing on:
  - Health & Inclusion
  - Transport
  - Environment
  - Future Internet
  - Enabling Technologies

# The Tasks



- The tasks are to:
  - “list” services and applications, and their scenarios;
  - analyse requirements and barriers;
  - get sector plans and discuss road map;
  - liaise with ETPs;
  - ...

# Approach (1)



- The following items are addressed:
  - Application characterisation
    - Description
    - Utilisation
    - Components
    - Characteristics
    - Requirements
    - Traffic
    - Entities

# Approach (2)



- Technical Characteristics
  - Time dependency
  - Delivery requirements
  - Symmetry of the connection
  - Bit rate
  - Maximum transfer delay

# Current Status



- A very first draft version of the SAA was circulated within the WG last Sep.
- This version is going to be discussed in the 3<sup>rd</sup> Meeting (tomorrow).
- More contributions are welcome until mid Nov., the latest.
- A second draft will be circulated by the end of Nov., for reviewing.
- The final version of SAA – Version 1 will be issued in Dec.

# Next Year



- Two Meetings will be organised.
- The 4<sup>th</sup> edition of the workshop will be organised as well.
- The SAA will be updated, and SAA – Version 2 will be issued by Dec. 2009.
- All the information will continue to be put at eMobility's website

# Conclusions



- A Strategic Applications Agenda is being established.
- Contacts with colleagues outside the “communications world” are being sought
- You’re most welcome to contribute to this WG. Send me an email: [luis.correia@lx.it.pt](mailto:luis.correia@lx.it.pt).