



Capabilities of Wireless and Broadband Communications

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Outline

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- WG Objectives.
 - Examples of usage of M&W Comms..
 - Some questions.
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WG Objectives



- 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.

The Past (1)



- A Workshop on “*Shaping the Future of Mobile and Wireless Communications*” was held at Deutsche Telekom Headquarters in Bonn, DE, on 2006/May/22.
- Discussion was lively, and contributions to the SRA were produced.
- All presentations, and the attendance list, are available at the eMobility website (www.emobility.eu.org).

The Past (2)



- Speakers at the workshop were invited from various areas:
 - *sociology* - Interactive Institute, SE,
 - *banking* - Bankinter, ES,
 - *health* - Televic, BE,
 - *sports* - Snowpolis, FI,
 - *environment* - Northern Arizona University, US,
 - *games* - German Association of Game Developers, DE.

Targeted Areas (1)



- The priority areas listed by the EC will be present:
 - Health.
 - Food, Agriculture and Biotechnologies.
 - Nanosciences, Nanotechs., Materials, and New Production Techs..
 - Energy.
 - Environment.
 - Transport.
 - Socio-econ. Sciences and the Humanities
 - Security and Space.

Targeted Areas (2) eMobility

- Other areas are also be targeted:
 - clothing and footwear,
 - glass,
 - construction,
 - domestic appliances,
 - entertainment,
 - media;
 - banking,
 - distribution and logistics,
 - sports,
 - etc.

Examples (1) eMobility



Source: Nokia, FI

Examples (2)



Source: RadioLabs, USA

Examples (3)



Source: Ferrari, IT

Examples (4)



Source: Burton, USA

Examples (5)



Source: Nike, USA

Examples (6)



Source: Voltaic Systems, USA

Examples (7)



Source: Mobilemag, USA

Examples (8)



Source: Philips, NL

The Plan



- To organise 2 workshops:
 - a workshop by mid/end January 2007, with invited speakers from other Tech. Platforms;
 - a workshop by mid June 2007, with invited speakers from other areas.



The Jan. Workshop eMobility

- The objective is to develop a relationship with a few key application areas that also have Tech. Platforms.
 - A few Tech. Platforms will be invited to give a presentation at the workshop.
 - eMobility members meet colleagues from other Tech. Platforms, hence, creating the conditions for finding partners for FP 7 projects.
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The June Workshop eMobility

- The objective is to have further ideas for applications.
 - A questionnaire will be circulated among eMobility members, as well as members of other Tech. Platforms.
 - Some of the people that have answered the questionnaire will be invited to the workshop, where the overall results of the questionnaire will be presented as well.
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Possible Questions (1) eMobility

- What is the current need for M&W Comms. in your business area?
 - What can be possible applications of M&W Comms. in your area that can really make a difference in the future?
 - What have been the biggest sources for frustration for you regarding the communications needs in your business area?
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Possible Questions (2) eMobility

- How can M&W Comms. contribute to increase your business?
 - What can be done to increase the usage of M&W Comms. in people's daily life?
 - What new communication paradigms, technologies, materials, etc., would help push M&W Comm. systems far beyond today's performance?
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The End



- Questions, comments and suggestions?