eMobility

Mobile and Wireless Communications Technology Platform

eMobility

http://www.emobility.eu.org/

Raina Pavlova , EPISTEP project

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Contents
from Vision to Implementation

- Global context eMobility
  - Vision and objectives
- Building the platform
  - Structure , SRA
  - Working groups
  - 3rd General Assembly results
- eMobility and FP7
  - eMobility Co-operating projects
- Future Events
- Membership
  - Why join to ……ETPs ?

Rationale for investment

eMobility

- Mobile & wireless products and services have an **economic impact** greater than the INTERNET

- Europe should ride the **next wave** of wireless innovation
  - Growth in the wireless/mobile sector
  - Growth in the applications sectors

- Public investments in other regions continues to grow rapidly (**Asia, N. America**)

- Mobile services account for about **3% of European GDP at present**

- Job creation – from 4 Million jobs in 2005 to **10 Million** in 2010 (Deutsche Bank)

Global developments

- Future Internet initiatives coming up to speed on all continents

- Fixed-mobile convergence is happening

- Broadband in focus in developed markets

- 3 Billion Mobile users worldwide reached (50% of world population)

- Continued growth in emerging markets

- Connection to the internet will first be through a mobile device for most users

eMobility Objectives

- *Drive future technology developments in mobile and wireless communications* that serve Europe's citizens and the European economy

- Enhance *cooperation* between industry players, the research community and public authorities

- *Mid- to long-term vision (2015+)* to maximise the benefit of mobile and wireless communications, thus enabling economic and social advances in the EU

- Formulation of an *action plan and time-table* for the key developments

- Support the renewed *Lisbon Strategy for a competitive, knowledge-based society*
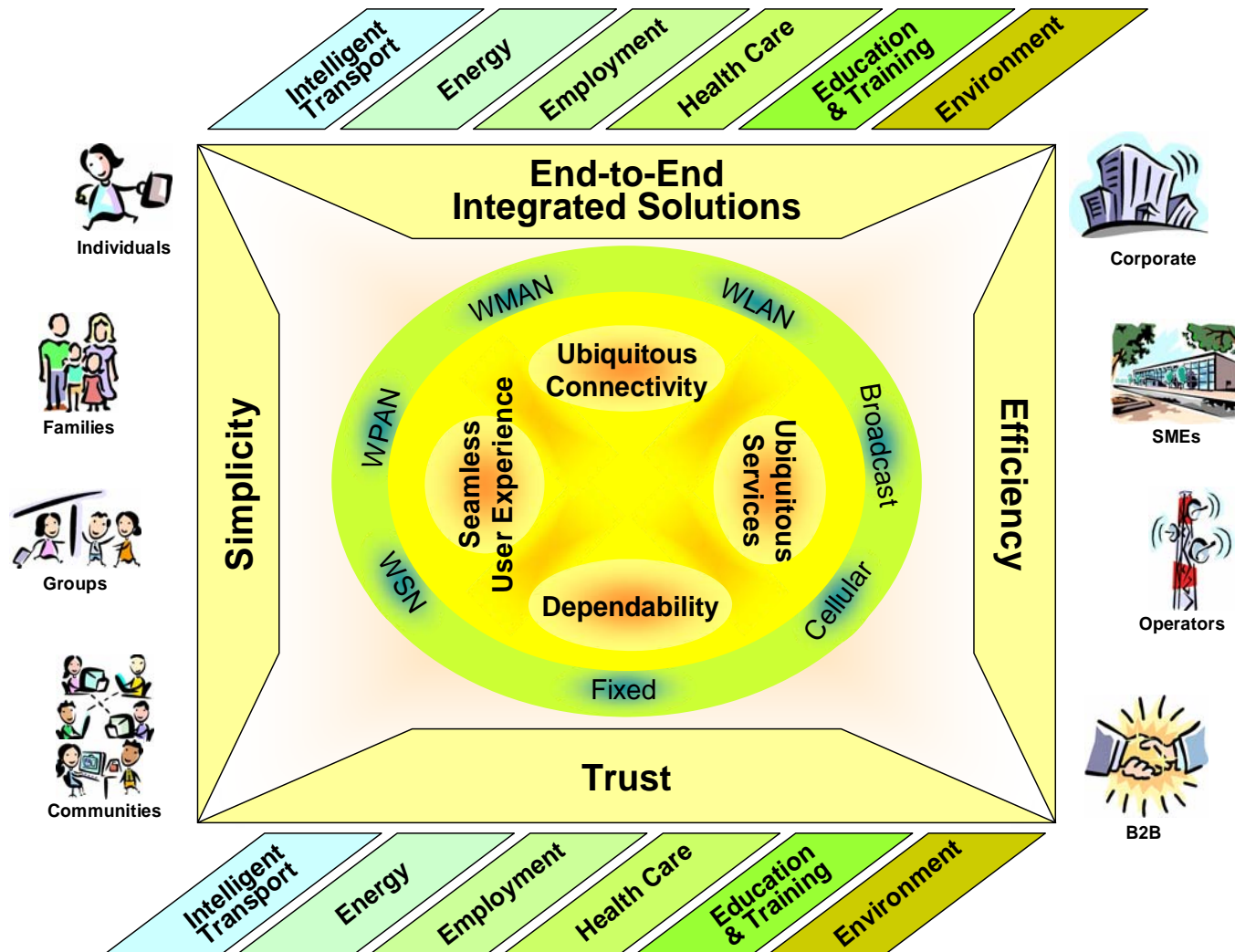
The Shared Vision

"Improving the individual's quality of life, achieved through the availability of an environment for the instant provision of and access to meaningful, multi-sensory information and content"

Simplicity, Efficiency & Trust

SRA V 6 - SET

eMobility

Membership – close to 500 eMobility

Total number of members - **498**

Industry - **113**
Research - **189**
SME - **196**

Other - **27**

Including from :

Greece - 21
Bulgaria - 8

SME interests

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- EPISTEP Survey of SME's
    - Most see technology platforms as a way to help them find partners for proposals
    - 42% were part of a proposal in Call 1
    - The results of Call 1 show that a much higher % of SMEs are part of successful projects than in FP 6
    - **SME's make up 16%** of the organisations in the consortia of the Network of the Future area of Call 1

Building the Platform eMobility time plan

eMobility

2004 ← - - - - - - → **2007** ← - - - - - - → **2013**

January to June 2004: Development of general framework

Development of :

- The Strategic Research Agenda
- Relationship with other bodies towards the European Research Area
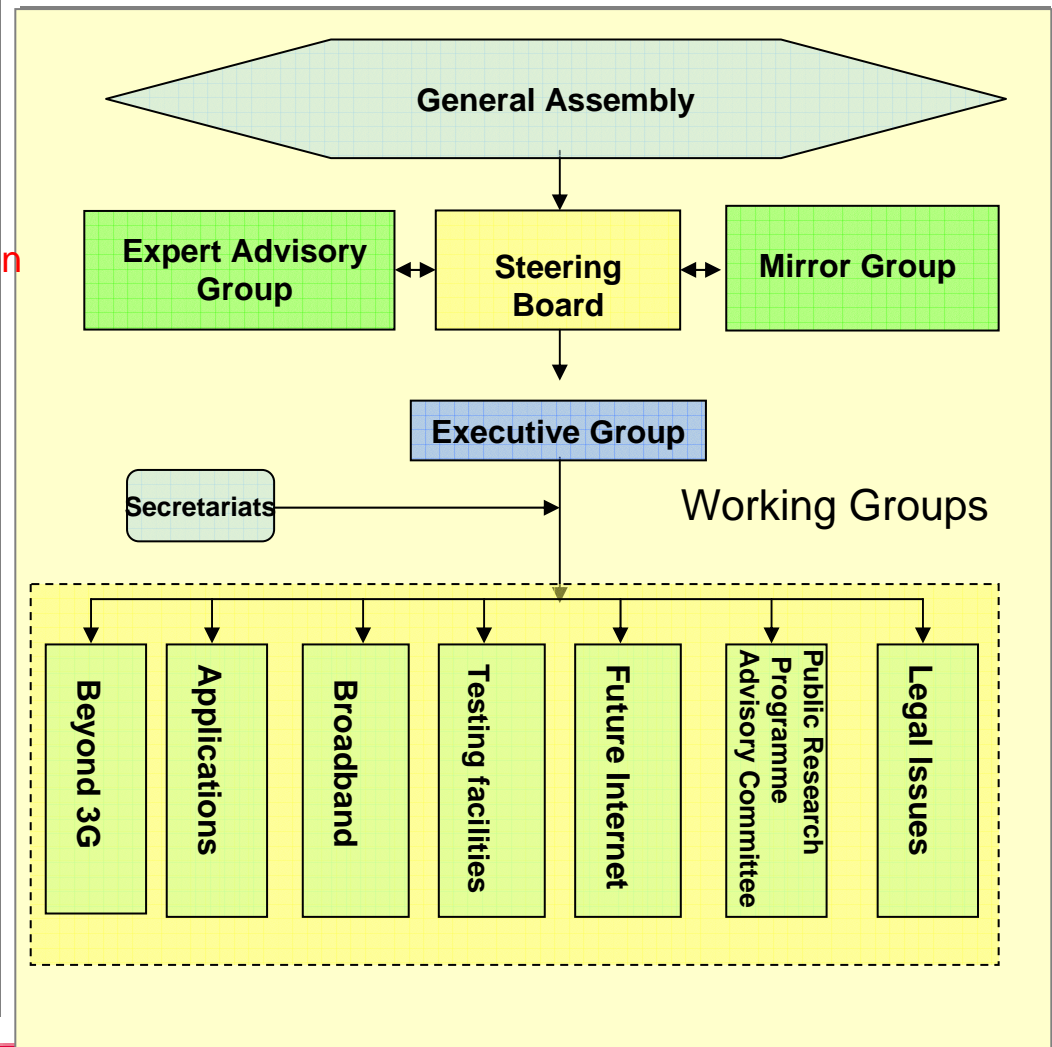- The eMobility Platform as an "instrument" for project implementation in FP7

During FP7:

Operational phase with

- complementary and
- cooperating research activities

launched under the umbrella of the eMobility Platform

eMobility structure & organisation

- **Public launch**
  - March 18, 2005 in Brussels
- **General Assemblies**
  - November 23, 2005,
  - November 14, 2006 Heidelberg,
  - November 14, 2007, Brussels, with election of new Steering Board
- **Strategic Research Agenda**
  - Version 5 published October 06
  - Version 6 in preparation for November 07
- **Mirror Group Meetings**
  - April 27, 2005 in Brussels
  - October 11, 2005 in Brussels
  - May 19, 2006 in Brussels
  - February 13, 2007 (Joint) in Brussels
- **Cross Technology Platforms Meeting**
  - September 7, 2005 in Brussels
  - February 16, 2006 in Brussels
  - Joint mirror group meeting, June 29, 2006
  - 2 joint press releases
  - December 12, 2006 in Geneva

Diagram:
General Assembly
Expert Advisory Group — Steering Board — Mirror Group
Executive Group
Secretariats
Working Groups: Beyond 3G, Applications, Broadband, Testing facilities, Future Internet, Public Research Programme Advisory Committee, Legal Issues

Working Groups

- **Technical**
  - Future Internet Technology   (R. Tafazolli)
  - Broadband for Europe   (W. Mohr)
  - Applications in eMobility   (L. Correia)
  - Roadmapping for B3G   (D. Bourse)
  - Test-beds requirements   (B. Cardinael)

Working Groups

eMobility

- **Non-technical**
  - Public Research Programme Advisory Committee
  - Legal working group (lawyers group)

- **Members to participate in and contribute to WGs**
  - Attend at least one working group regularly
  - Contribute to working papers

3rd General Assembly
Steering Board results

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- Membership issues (membership has grown 20% in 2007)
- Liaisons with other Technology Platforms and bodies (SME Survey EPISTEP, National meetings)
- Preparation of meetings with the European Commission
- Preparation of responses to Commission requests for positions on the ERA and input to the future workplan
- Review of progress and plans of working groups and establishment of 3 new working groups (Legal, Test Facilities and Public Research Prog. Advisory Committee)
- Planning for project collaboration prepared
- Prioritisation of research topics for the future FP 7 workplan
- Dissemination activities, exhibition stands, flyers, brochures
- Preparation of participation in over 30 conferences and workshops
- 4 Issues of the Newsletter prepared, printed and distributed
- Preparation and negotiation of the *e***Mobility CA** proposal

Member Organisation

- Stakeholder Group: **Industry** ……………..**14**

- Stakeholder Group: **Research Domain** …….**4**

- Stakeholder Group: **SME**………………..**4**

  - Beacon Tech Ltd.

  - IBER WIFI EXCHANGE (GOWEX)

  - Purple Patch Wireless Ltd

  - Target Innovation Ltd

eMobility and FP7

)))) eMobility

- eMobility continues the development of the Strategic Research Agenda (SRA)
  - Input to FP7 continuation
  - Input to new and updated Work Programmes
  - Input to National activities
  - Input to CELTIC EUREKA Cluster

Priorities for 2nd FP 7 workplan (October '07)

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- **Inter-disciplinary** work, **integrating** applications

- Maintain core competence on **physical interfaces** radio and fixed)

- Increase work on **sustainable communications** and **environmental impact** of systems

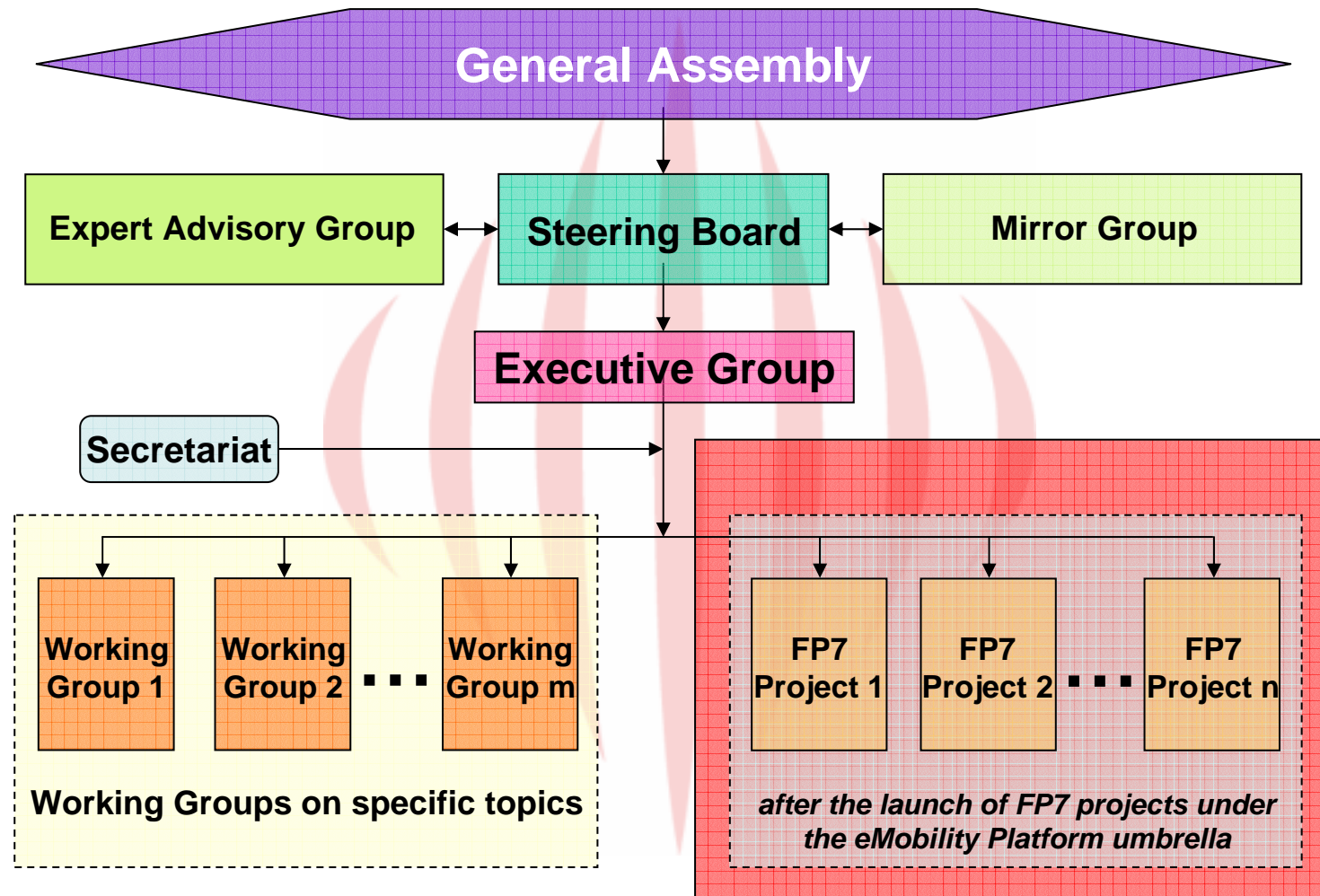- Increase focus on **"simplicity"** of use of systems
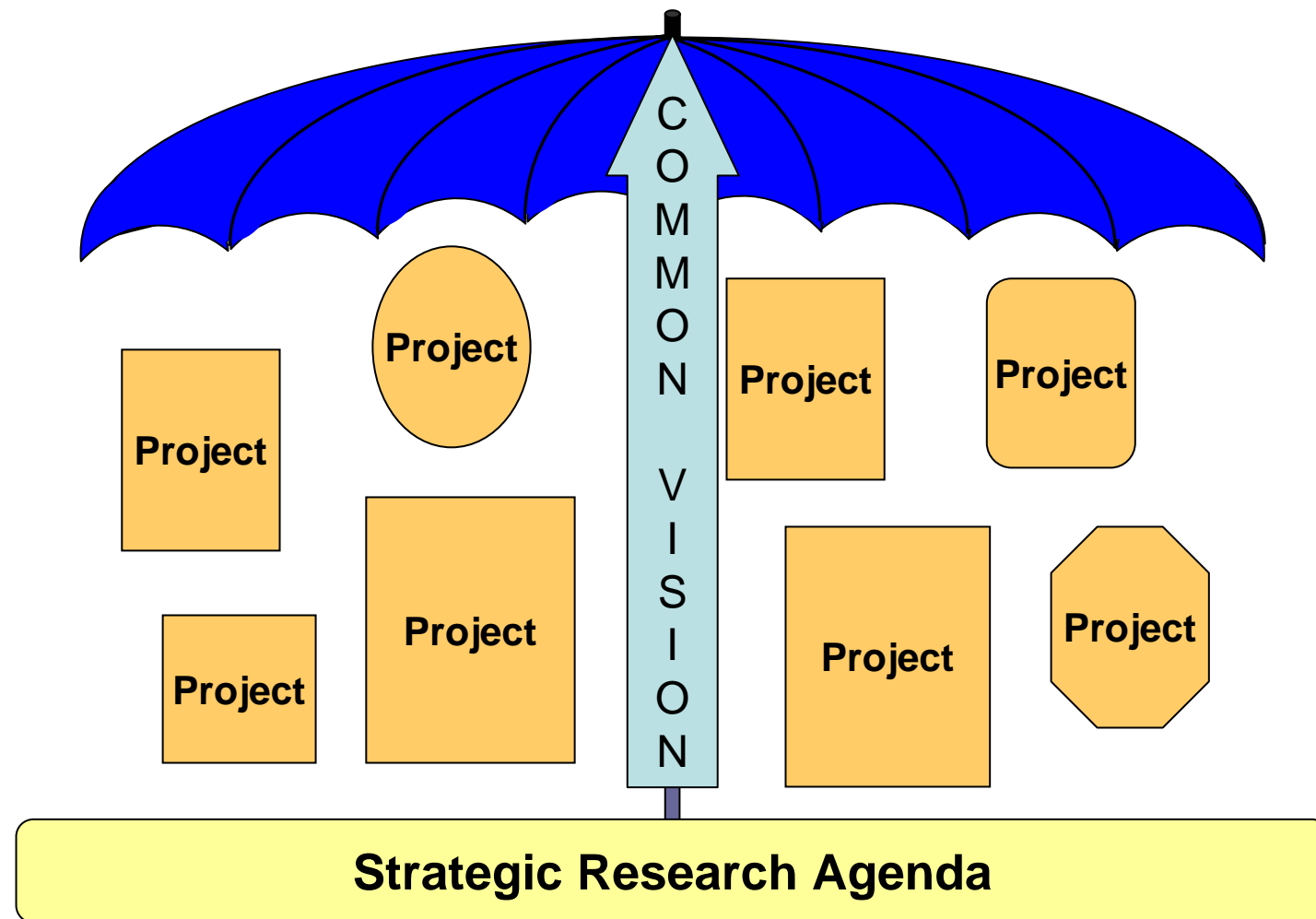
eMobility Projects

eMobility welcomes **project ideas** to be discussed
- Building consortia, introducing organisations
- Meetings, Wikis, WGs
- Ensuring good cover for scope

- eMobility encourages making **project info** available for inclusion in eMobility publications and slide sets

- To participate in and contribute to **working groups** of eMobility, attending at least one working group regularly, and ontributing to **working papers**

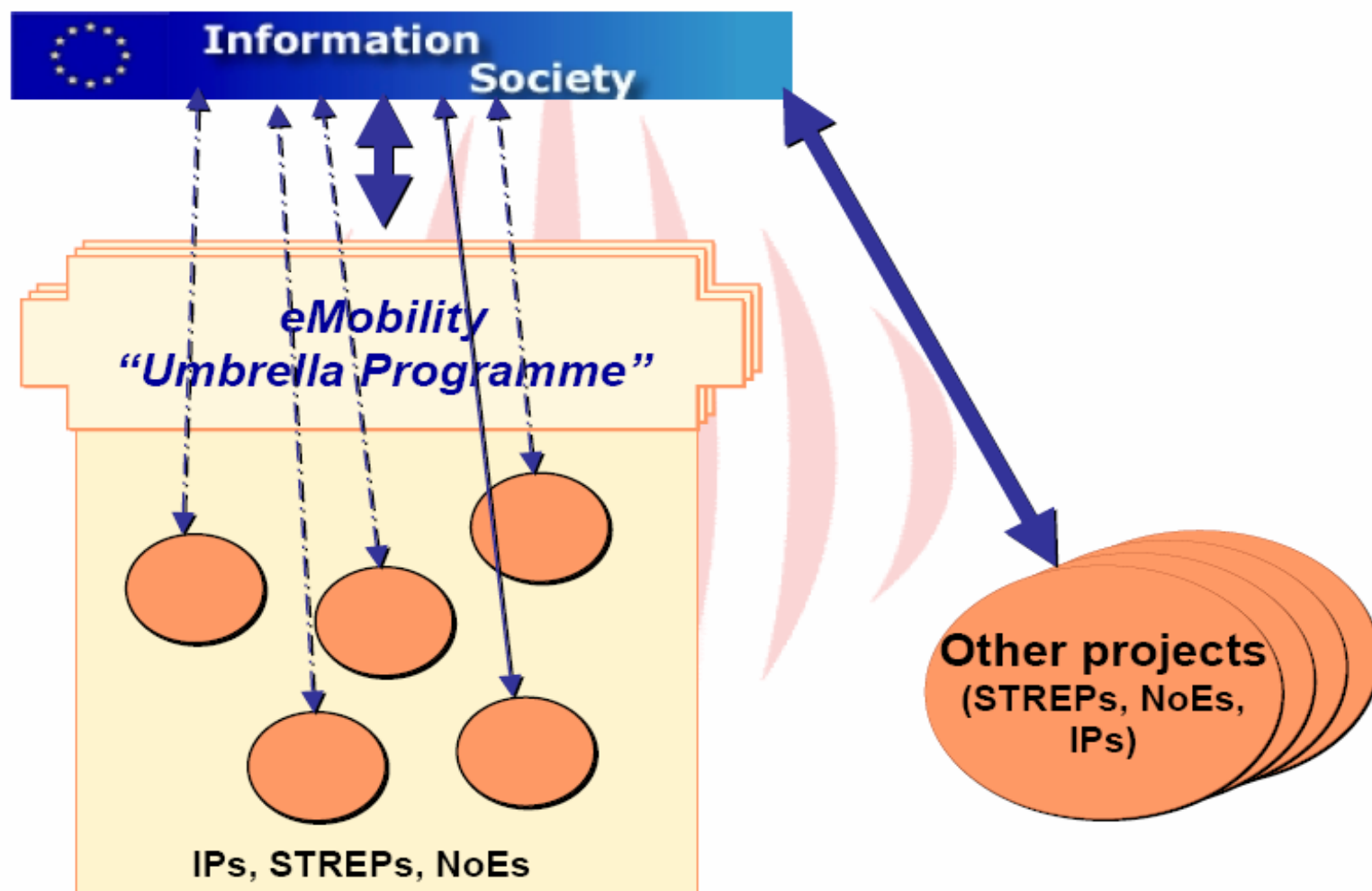- Projects should explore, how they contribute to the **SET Concept**

eMobility organisation during FP7

General Assembly

Expert Advisory Group ←→ **Steering Board** ←→ **Mirror Group**

Executive Group

Secretariat

Working Group 1 | **Working Group 2** ... **Working Group m**

Working Groups on specific topics

FP7 Project 1 | **FP7 Project 2** ... **FP7 Project n**

after the launch of FP7 projects under the eMobility Platform umbrella

eMobility Projects in the FP7 timeframe

FP7-eMobility implementation

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Information Society

eMobility "Umbrella Programme"

IPs, STREPs, NoEs

Other projects (STREPs, NoEs, IPs)

Different types of cooperation

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Mobility ETP

Project cooperation (1)   ((())) *e*Mobility
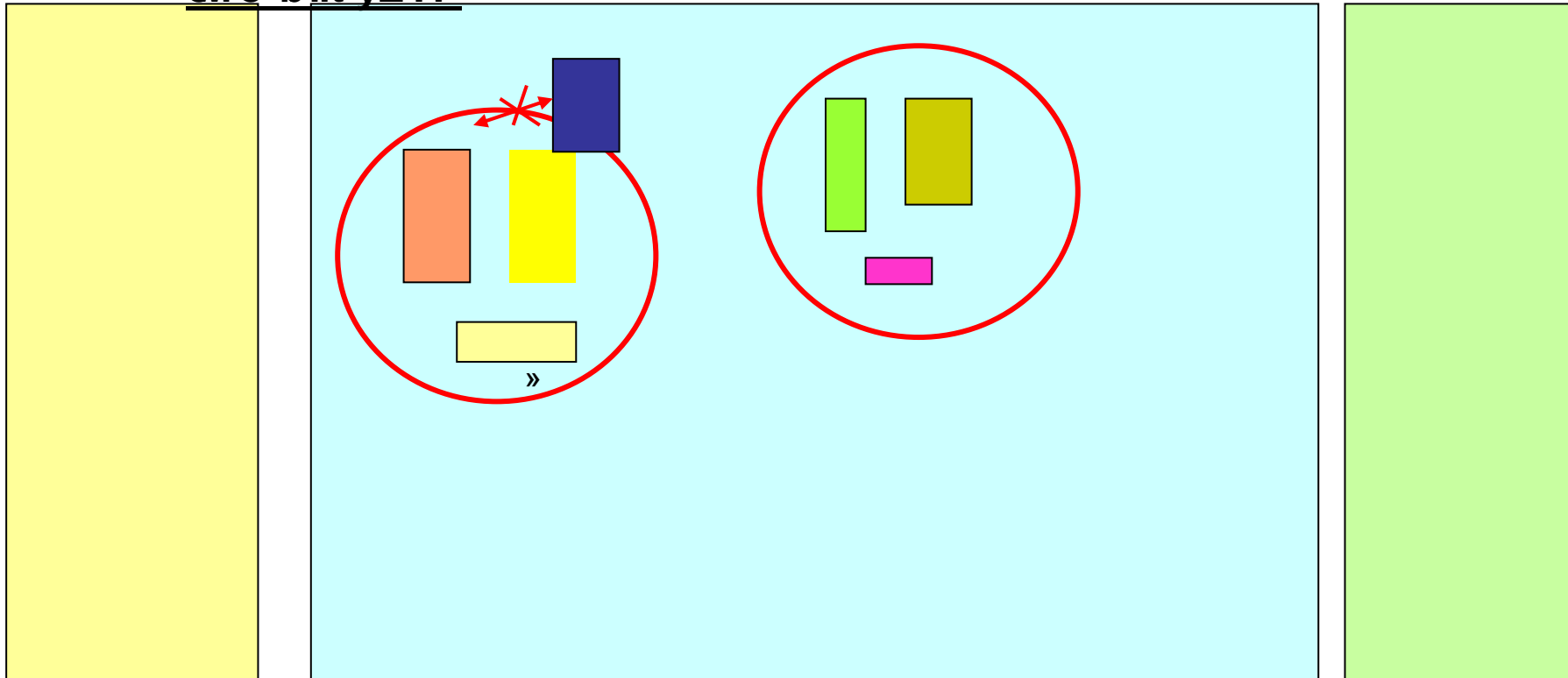
- EU Commission will launch topic-oriented project clusters in Framework Program 7

- Based on positive experience in Framework Program 6

- *e*Mobility Project Cooperation and FP7 project clusters should complement each other, working from different perspectives

- *e*Mobility scope may be extended to lower layer fixed network issues in the sense of converged networks and systems

- Therefore, different Project Co-operations can be expected based on accepted proposals

Project cooperation Organisation

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- Each group of cooperating projects will establish a "Coordination Team", as described in the *e*Mobility Collaboration Agreement

- Coordination Team comprises the
    - Coordinators of participating projects and
    - additional representatives per project

- Responsibilities of Coordination Team
    - The Co-ordination Team shall be responsible for the co-ordination of the information exchange between the Co-operating Projects
    - The Co-ordination Team shall be responsible for the co-ordination of the Cross Project Tasks

- Coordination Team is part of Project Cooperation

Public Research Program Advisory Committee

(((●))) **eMobility**

- Public Research Program Advisory Committee has been established in September as an *e*Mobility Working Group reporting to the *e*Mobility Steering Board

- Consult with different Project Cooperations on
  - achieved results across cooperating projects
  - experience from system perspective
  - feedback on new research topics

- Review of actual work plan with respect to new trends and developments

- Impact on future work plans

- Composition:
  - Representatives from Steering Board organisations being coordinators of Integrated Projects
  - Maximum around 10 members

Legal Working Group   eMobility

- Objective – To support the eMobility activities with legal documents as required
- Activities
  - Project Cooperation Agreement proposed in two forms published on the *e*Mobility web site
  - Covers cooperation between one or more partners in two or more projects
  - The cooperation agreement is not dependent on the use of any specific consortium agreement
  - Cooperating projects do not have to have the same consortium agreement
- Future Activities:
  - None planned at present. Group will be active as required.

Legal Working Group Collaboration Agreements

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- Provides **legal support for cooperation** between one or more partners in two or more projects, as an extended consortium agreement
- The draft cooperation agreement is **not dependent** on the use of any specific consortium agreement (IPCA, DESCA, National Programme agrement, etc)
- Cooperating projects do not have to have the same consortium agreement
- **Two different versions** of the agreement support:
  - joint technical work (providing access rights) and
  - joint marketing activities (without access rights), confidentiality,
  - publications procedures,
  - management of the joint work and joint events

- Are available for download on www.eMobility.eu.org

Co-operating projects
Documentation

- Collaboration **declaration** for eMobility
- Project **Co-operation agreement** with Access Rights
- Project **Co-operation agreement** without Access Rights

Call 1 : IP projects, currently under negotiation with EC

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- SLA@SLI - Ramin Yahyapour
- ALPHA - Dr. Brigitte Cardinael, France Telecom
- E3 - Didier Bourse, Motorola
- EUWB - Dr. Sven Zeisberg, University, Dresden
- FUTON - Werner Mohr, NokiaSiemens Networks
- OMEGA - Brigitte Cardinael, France Telecom
- SOA4ALL - Santi Ristol, ATOS ORIGIN
- SENSEI - Rahim Tafazolli, Uni. Surrey
- TRILOGY - Terry Hodgkinson, BT
- 4WARD - Henrik Abramowicz, Ericsson

Future Events

- **7 December 2007**- **3rd EPISTEP Workshop**,Thessaloniki, Greece
- **11 December 2007**- Seminar under the **FinnWell technology programme** Oulu, Finland
- **12 December.2007- High level** commission event on **ETP's**, Brussels, Belgium
- **15 January 2008** - **CICTRANA** Seminar on ICT Security, Brussels, Belgium
- **17-18 January 2008- "JGN2 & AKARI Symposium" ,** Japan
- **February 2008- X Forum** , Tokyo
- **31March 2008**, **IST event** , Slovenia,
- **June 2008- Mobile Summit** as an eMobility event, Stockholm
- **23-25 April 2008 - WWRF Meeting 20,** Ottawa, Canada
- **9-11 June 2008**- **IST Mobile Summit** ,Stockholm, Sweden, Stockholm,
- **November 2008,** "ICT Event" in France
- PIMRC'08,
- VTC'08,
- WPMC'08

eMobility membership

- **mandatory criteria :**
  - A base in Europe

  - Willingness to contribute to the joint research work

- **four membership categories :**
  - Industry
  - Research domain (universities, research centres, etc.)
  - SME (Small and Medium Size Enterprises)
  - Other (institutions, pre-standardisation bodies, state organisations, etc.)

WIKI -
networking for eMobility members

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- **Wiki discussion fora**
  - SRA content
  - Project ideas, plans
  - Organisation introductions (profile)

http://wiki.ist-emobility.org/

Why join ? to…

- **Influence the workplans and calls for proposals** of the public research programmes
- Build a **contact network**
- Build **public support for new R & D topics**
- Join on-going **influential** working groups
- Contribute to the common efforts to make results of the FP 7 projects visible and to build synergy, leading to **new standards and products**
- Membership is **free of charge** – just apply on the web site!

Sources

- **Dr. Fiona Williams
  Chairman, eMobility steering board**

Fiona.Williams@ericsson.com

- **http://www.emobility.eu.org/**

- **http://wiki.ist-emobility.org/**

Thank you
for your attention!

Raina Pavlova
EPISTEP representative
URSIT Ltd
Mussagenitsa, block 98B , entr. B
Sofia 1797, Bulgaria
raina.pavlova@ursit.com