



Developing a Roadmap for a European Healthgrid

SHARE: Structuring and supporting HealthGrids Activities and Research in Europe: developing a roadmap

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on behalf of the Share Consortium

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 <http://www.eu-share.org>

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Background



- The Concept of Grids for Health in Europe took-off on 2002, playing the HealthGrid initiative a key role since then.
- The HealthGrid Association edited the HealthGrid Whitepaper (<http://whitepaper.healthgrid.org>) in 2004 outlining the Concept, Benefits and Opportunities offered by applying grids in different applications in healthcare.
- SHARE aims at identifying the important milestones to achieve the wide deployment and adoption of HealthGrids in Europe to address the issues identified in the action plan for a European e-Health Area described in the communication COM(2004) 356.





SHARE Objectives (1/2)



- The HealthGrid Vision relies on the setting up of Grid Infrastructures for Medical Research and Healthcare, which Implies:
 - The Availability of Grid Services, most notably for Data and Knowledge Management.
 - The Deployment of these services on infrastructures involving Healthcare Centres such as Hospitals, Medical Research Laboratories and Public Health Administrations.
 - The definition and adoption of International Standards and Interoperability Mechanisms for Medical Information Stored on the HealthGrid.

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SHARE Objectives (2/2)



- The mission of SHARE is to precise the targets, the current situation, the key gaps, barriers and opportunities, short term achievements and key elements and actors to reach the vision.
- The roadmap will cover issues regarding networks, infrastructure deployment, Grid operating systems, services to end-users, standards requirements, security, legislative development, ethical and economic issues.





SHARE Consortium



- CNRS/IN2P3
- HealthGrid
- Universidad Politécnica de Valencia
- University of the West of England
- Research Centre for Computer and Law (CRID) - University of Namur
- European Health Management Association
- Empirica GmbH

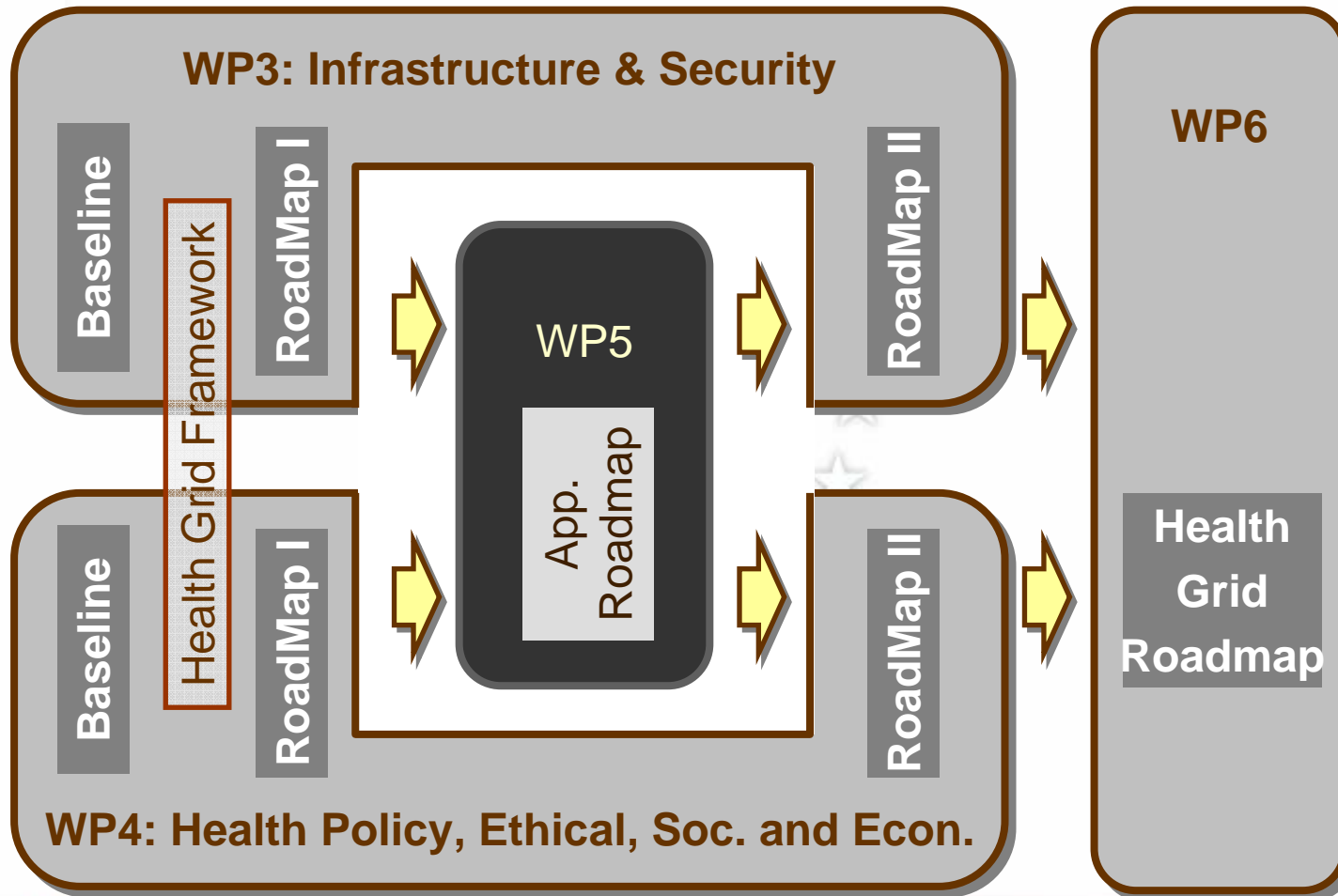
- Argonne National Laboratory
- Academia Sinica Grid Computing Centre
 - APAMI (Asia-Pacific Association for Medical Informatics)

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SHARE WPs



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SHARE Products



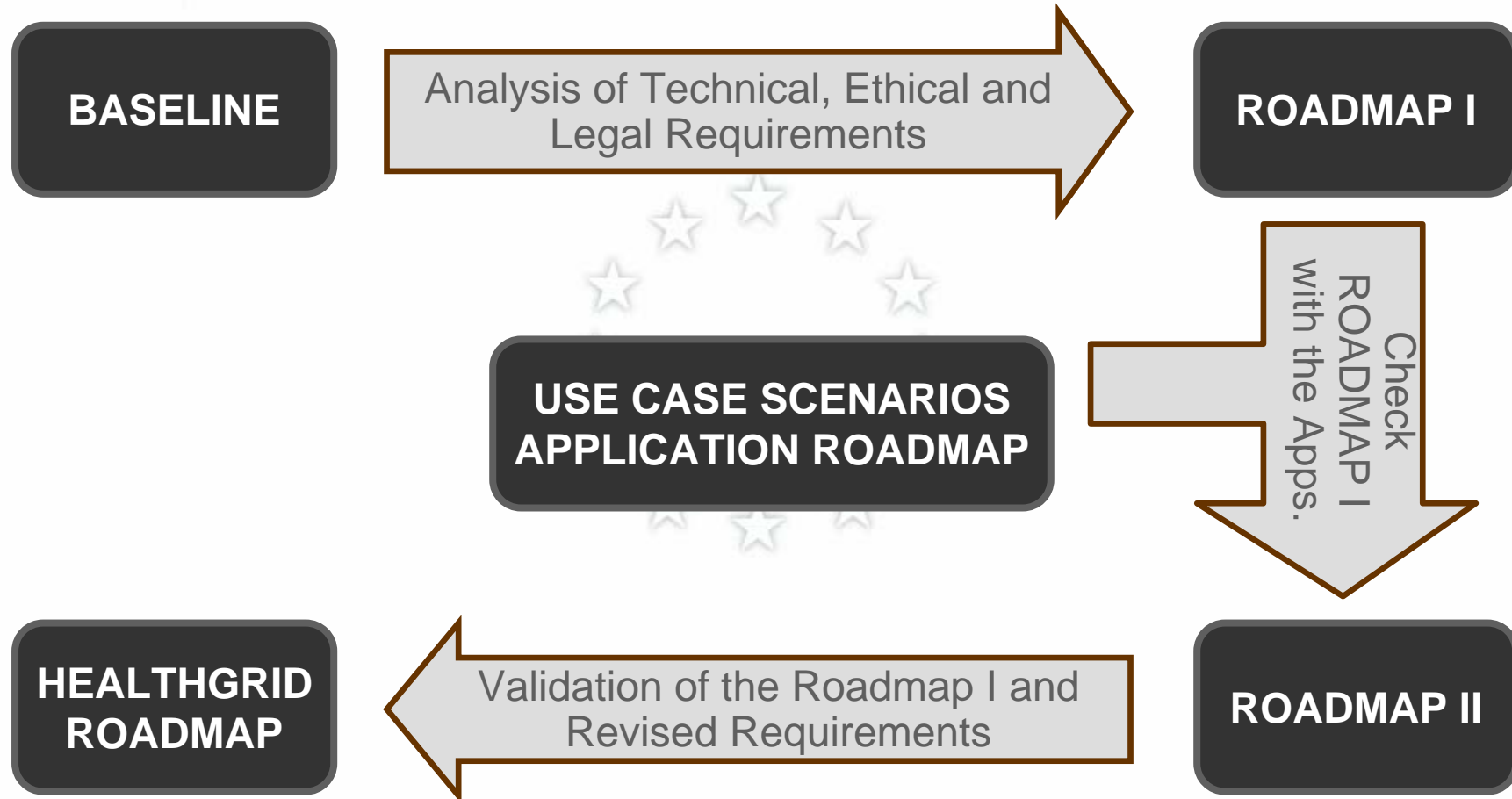
- **Baseline**
 - Evolution of the HealthGrid Whitepaper: The State of the Art.
 - The Predictable or Foreseeable Development of Ongoing Activities.

- **Roadmaps**
 - Destination, Transportation, “Whistle Stops”, Starting Point, Travellers and Difficulties in the Trip.
 - Analysis of the Current Situation, Requirements, Actors, Needs, Opportunities and Barriers from the Technological, Legal, Ethical and End-User’s Point of View.





Production Cycle



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Conclusions



- SHARE is an Activity to Search, Consolidate and Analyse the Trends of Research on Grid Technologies Applied to Health.
- SHARE Needs Inputs from the Most Relevant Actors of the Field at World-Wide Level.
- SHARE Will Cover All the Issues Regarding HealthGrids, From Technical to Legal or Economical.
- Results will be Analysed According the Specific Requirements of Two Application Areas.

