



E-Health@Grid: The Akogrimo Approach, & (first) lessons learned

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Presentation Outline



1. Akogrimo Overview
2. E-Health Supply Chain
3. Relevance of Mobility
4. Validation Scenario: Emergency Services Management
5. Lessons Learned: From Validation Scenarios to Value Chains

Access to Knowledge through the Grid in a mobile World - Facts



- A European Research Project with a duration of ~3 years and an overall effort of ~1200 PM and an overall budget of 10,5 M€
- 13 Partners from industry and academia including 3 Telecom Operators and large IT service providers
 - TelCos: Telefónica I+D, Telenor, Portugal Telecom through IT-Aveiro
 - IT Industry: ATOSOrigin, Datamat
 - SMEs: CRMPA, BOC
 - Research: RUS and HLRS, UPM, UniZh, CCLRC, NTUA, UHOH
- Project Start: July 2004
- Info: <http://www.mobilegrids.org>



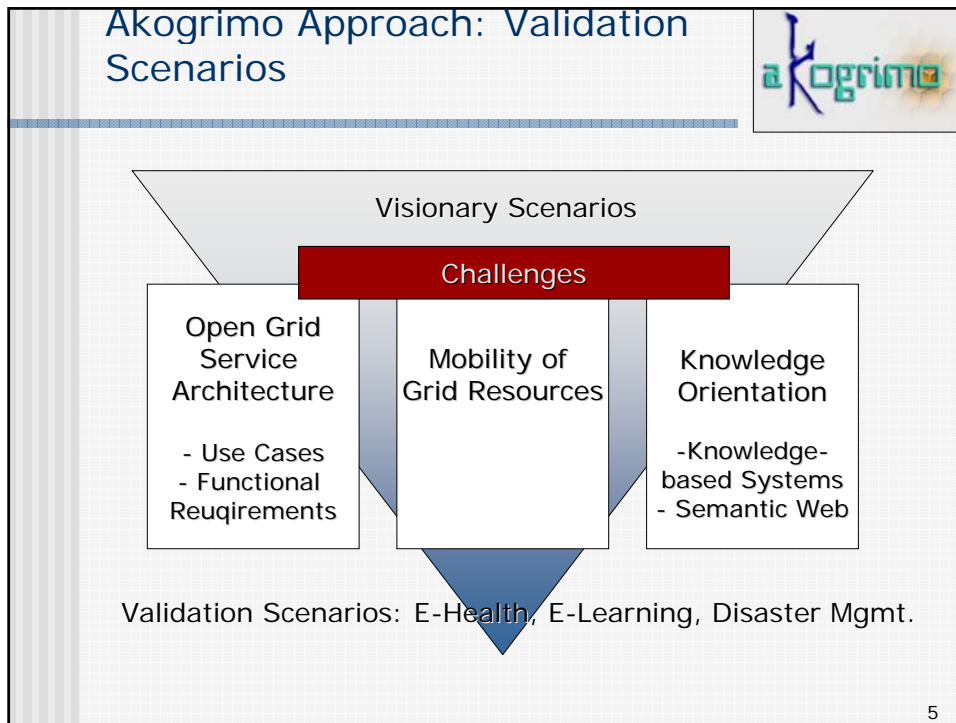
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The Akogrimo Vision




To produce a breakthrough in current practices for Grids with the creation of a distributed, mobile and pervasive environment to make it a business proposition for Telecom Operators and Service Providers

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E-Health Supply Chain

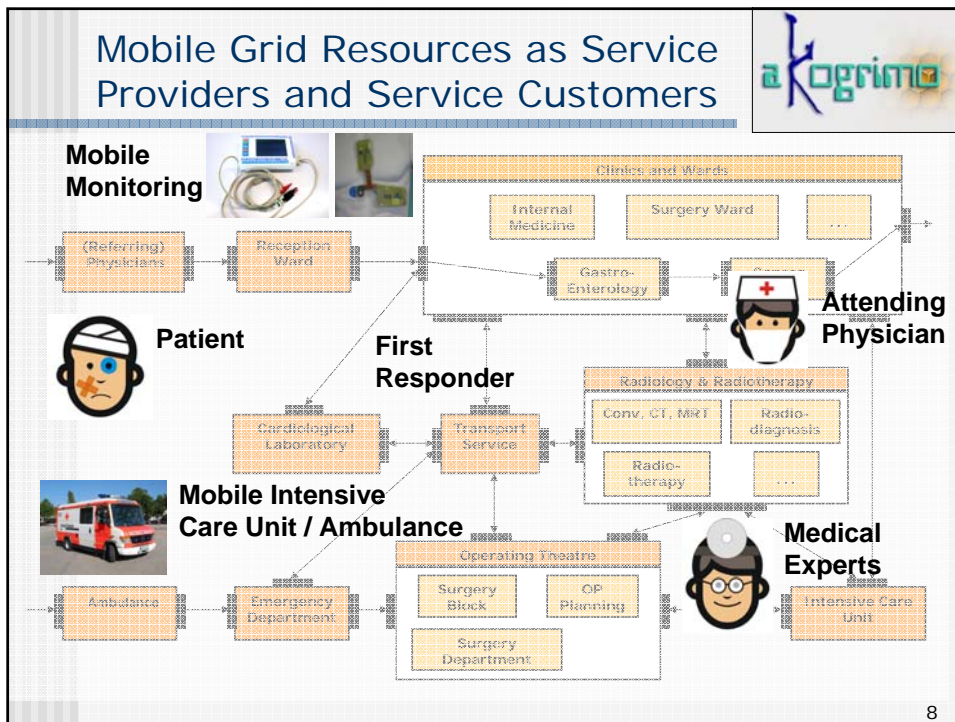
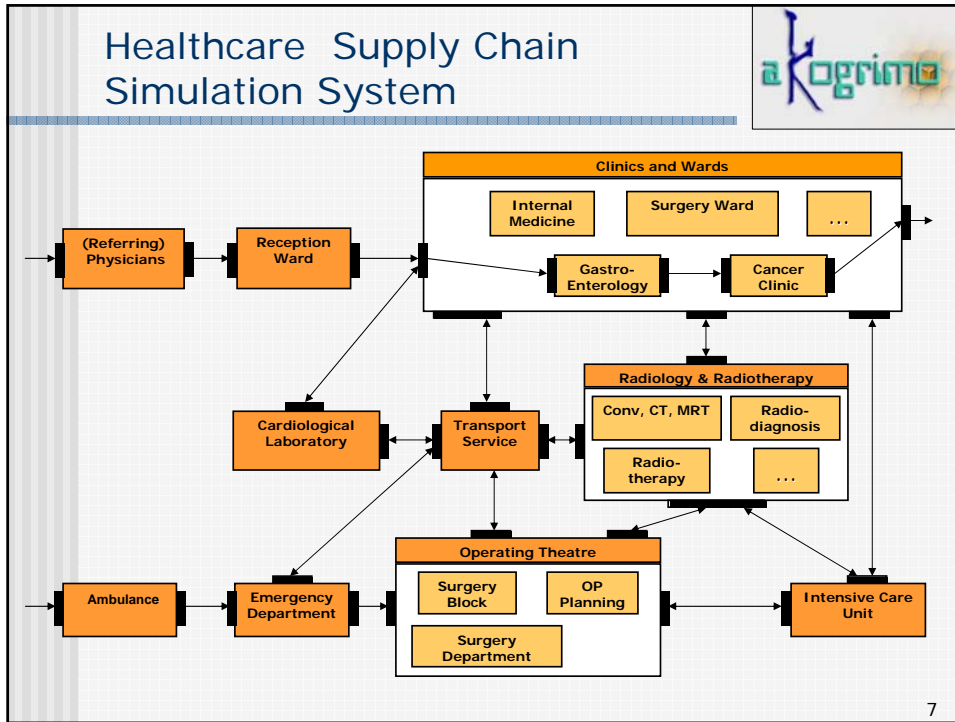


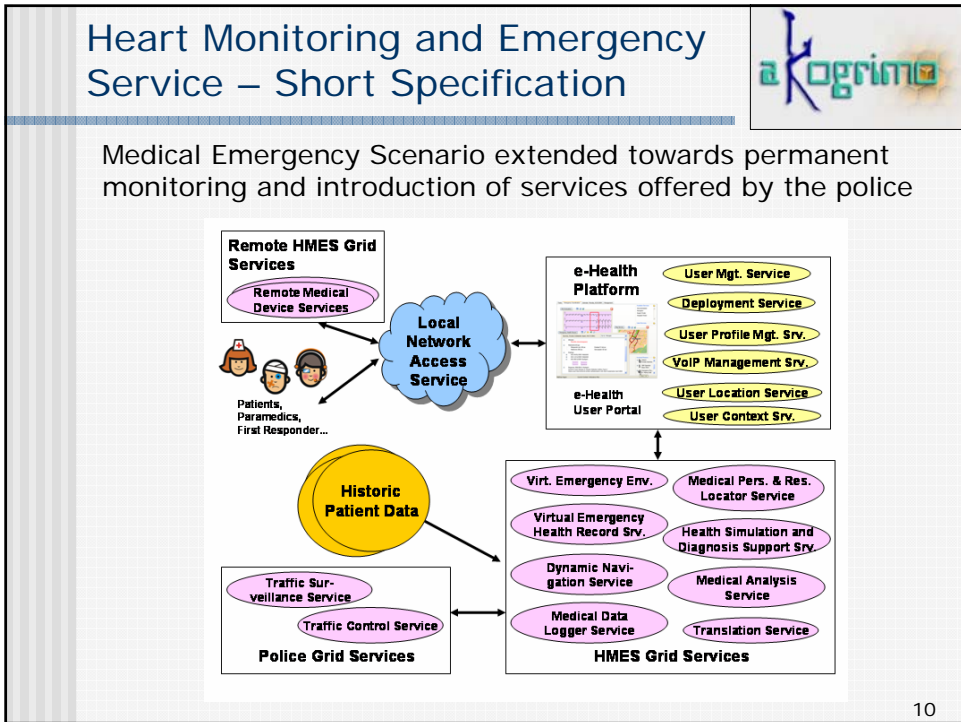
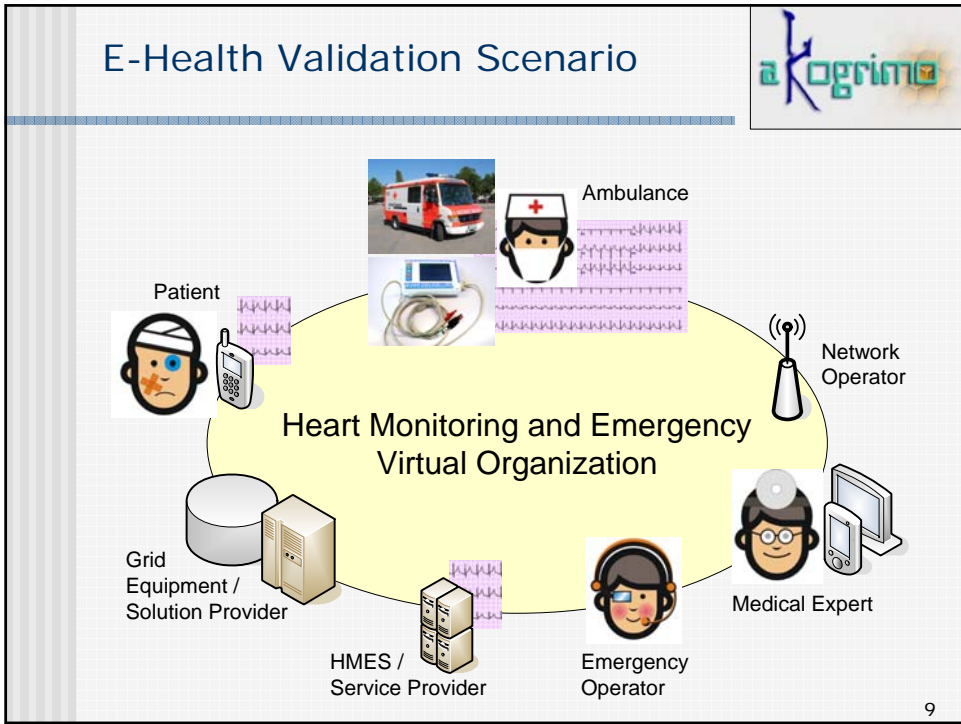
Relevance of "mobility"

- Individualisation of health services
- Mobility of health services (e. g. medical knowledge)
- Miniaturisation of medical products
- Shifting of the notion of "health": decoupling from "illness" and "disease" extension to "wellness"
- Industrialisation of the health sector / the processes in the health sector
- Health services as a location factor
- But also: Patients' increasing privacy concerns



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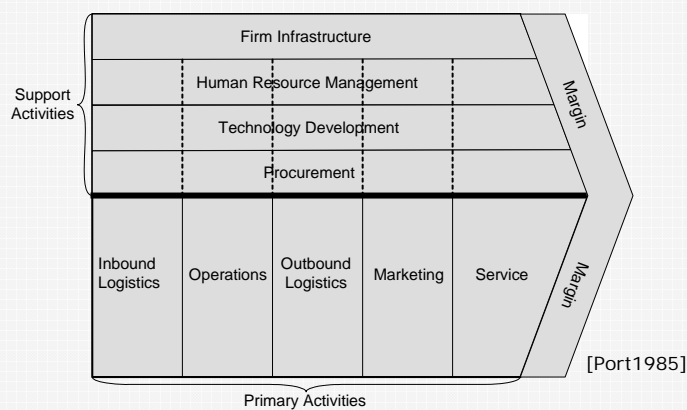


How it works ...

Zur Anzeige wird der QuickTime™
Dekompressor „TIFF (LZW)“
benötigt.

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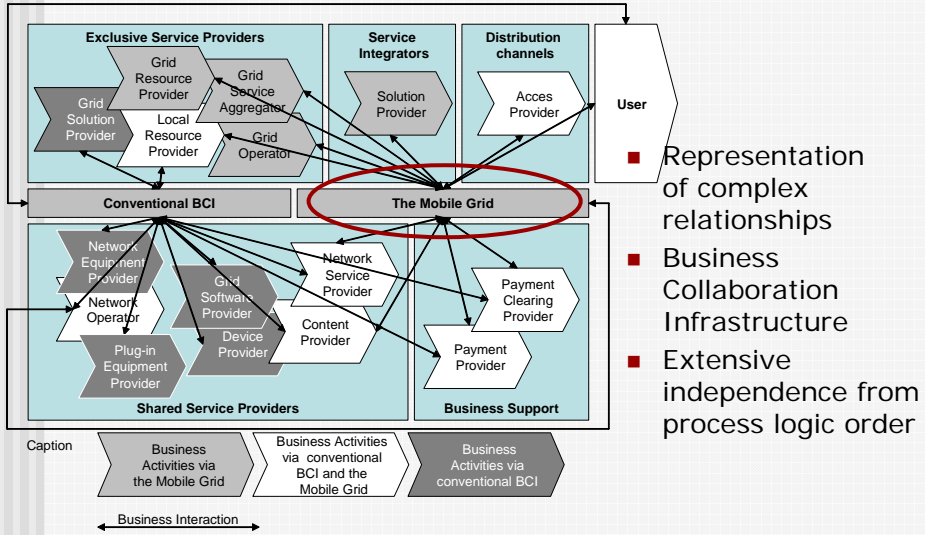
(First) Lessons Learned: Value Chain Analysis



- Considers **single participants** in a value chain only.
- **Not enough analytical significance** to rebuild the consolidated value chain later.

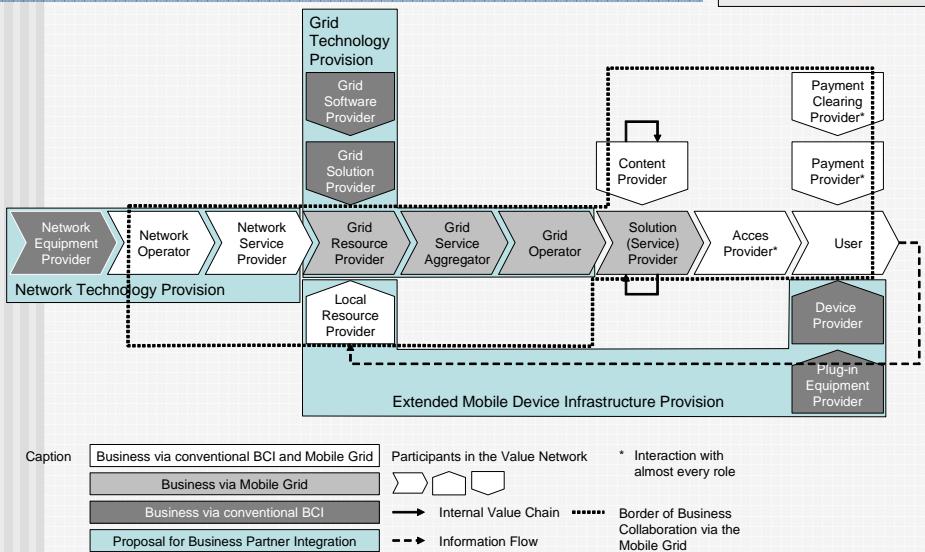
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New Methodology: Disaggregation & Re-Configuration of Value Networks

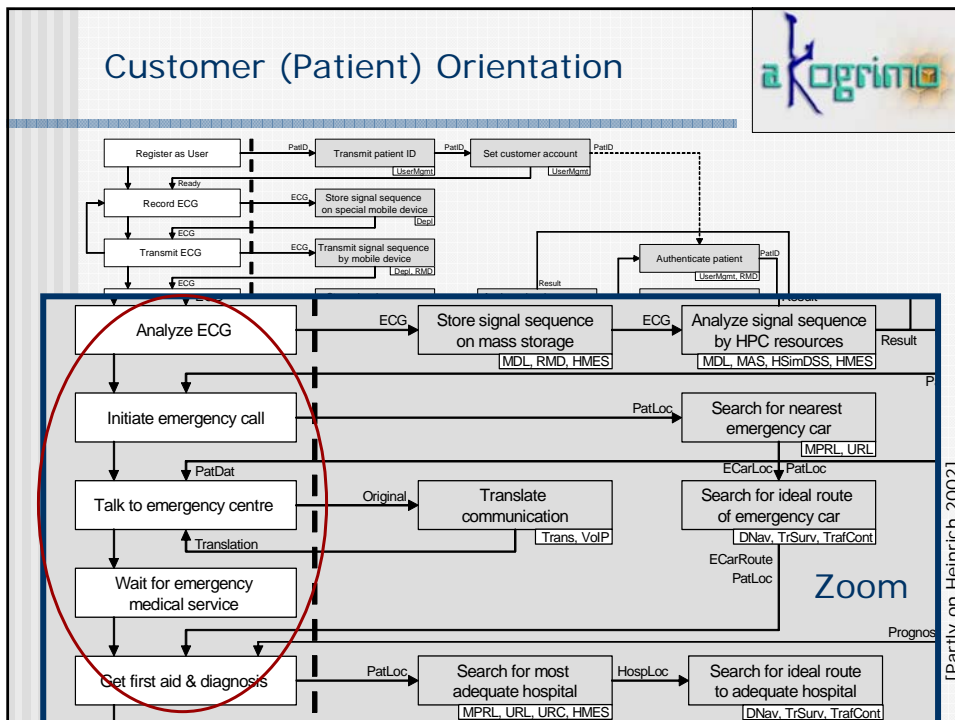
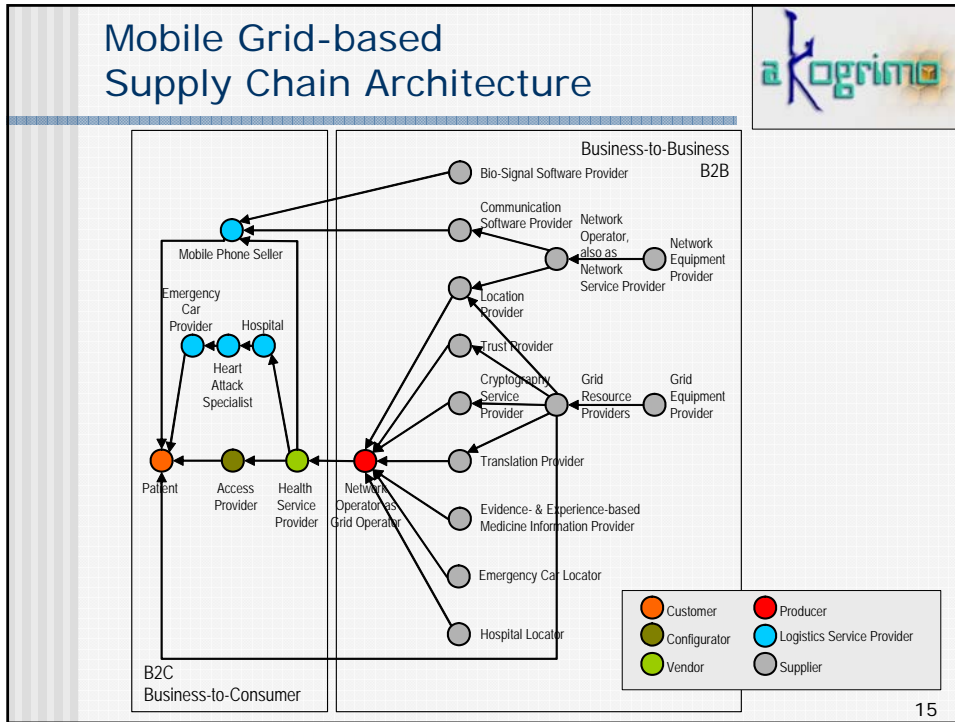


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Dis-Aggregation of Value Chains and Value Network Consolidation



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Summary: Business Implications



- Mobile Grid technologies implicate changes in current value chains and networks
 - Extend the user base through the integration of mobile technical resources and human actors
 - More efficient resource usage across applications and organizations
 - Economics of scale and scope
 - Shifting of transactions and production costs
 - New quality levels
 - Changing market entry barriers
- Concept of Virtual Organization is aimed at B2B collaboration scenarios
- Rip up traditional intra-enterprise value chains and succeeding reconfiguration to inter-enterprise value networks

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Thank you !

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