



# Access to Knowledge through the Grid in a Mobile World

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Hubert Hérenger, Stefan Wesner  
High Performance Computing Centre  
Stuttgart  
[herenger,wesner]@hlrs.de

<http://www.mobilegrids.org>

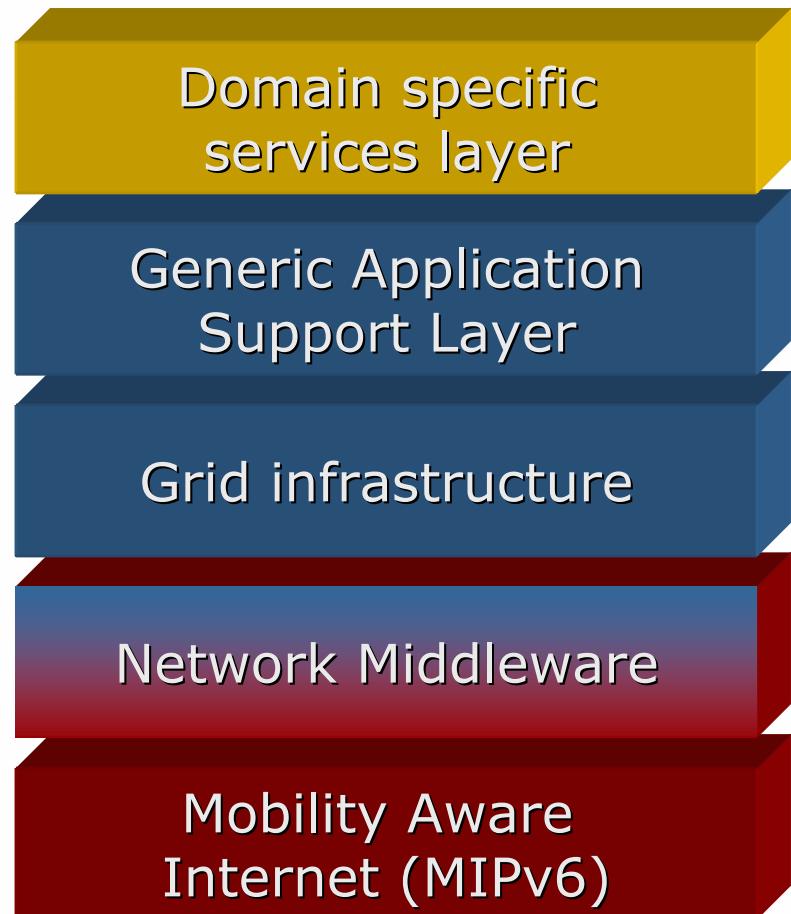
# What is different in Akogrimo?

- We are targeting the “Mobile Grid”
  - Mobile does **not** mean only wireless or small devices
  - Mobile does not mean for us to interface with a Grid using e.g. portals.
  - We are targeting Nomadic Users and Mobile Users as well as fixed participants in Virtual Organisations.
- Business models
  - Our models will investigate value chains including a role for telecom operators
- Methods/Guidelines for providing services
  - It is not easy to provide applications services to the Grid
  - Resources owners that want to put them into the Grid need support through Methods and Tools

# Differences on Technology Layer



- Reuse functionality developed for beyond 3G networks
  - A4C solutions for cross organisational accounting
  - SIP for session management and multimedia integration
  - Context Management and Local Service Discovery (e.g. Bluetooth)
  - Awareness and cooperation with the network (e.g. selection of QoS, RFIDs, ...)



# Akogrimo and GGF



- The group closest to our approach seems to be the UBiGrid research Group  
<http://ubigrid.lancs.ac.uk/>
- Problems:
  - OGSA is not addressing mobile resources/services so far
    - We plan to submit a Use Case as input
  - UbiGrid-RG seems to be seen as “exotic” by this community but the mobile user and worker will be common in a few years
    - How can we support this?
  - Akogrimo plans at the moment are to address many of the standardization issues directly at
    - Integration of Context IETF (SIP, SIMPLE)
    - AAA (A4C) IETF, IRTF
    - ...
    - What is the benefit of going through GGF (e.g. UBiGRID)?



Thank you !

# General Problems (if not mentioned already)



- OGSA and technology
  - OGSI (disappeared suddenly as base technology)
  - WSRF and WSDM (seemed to be a long time the clear candidates)
  - What next ??
    - Current discussions on base technologies make grids look again as “scientific playground” rather than solid basis
    - Our policy for the prototyping now is
      - Use WSRF where absolutely needed in all other cases use “Web services specs”.