

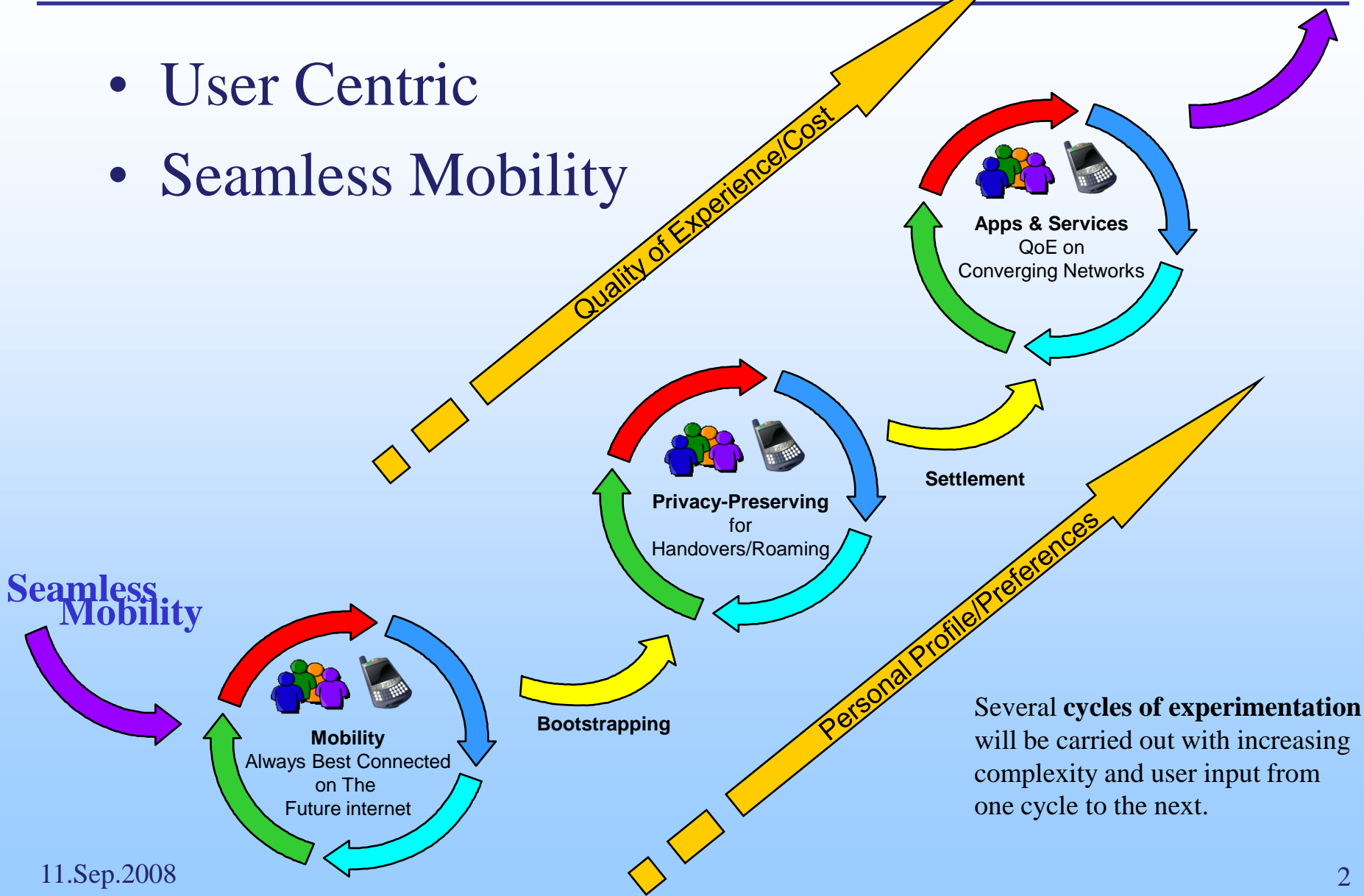
# PERIMETER

*User-Centric paradigm for Seamless  
Mobility in Future Internet*

*FIRE Strategy Workshop  
Position Statement*

*Paris, 11.Sep.2008*

- User Centric
- Seamless Mobility



Several **cycles of experimentation** will be carried out with increasing complexity and user input from one cycle to the next.

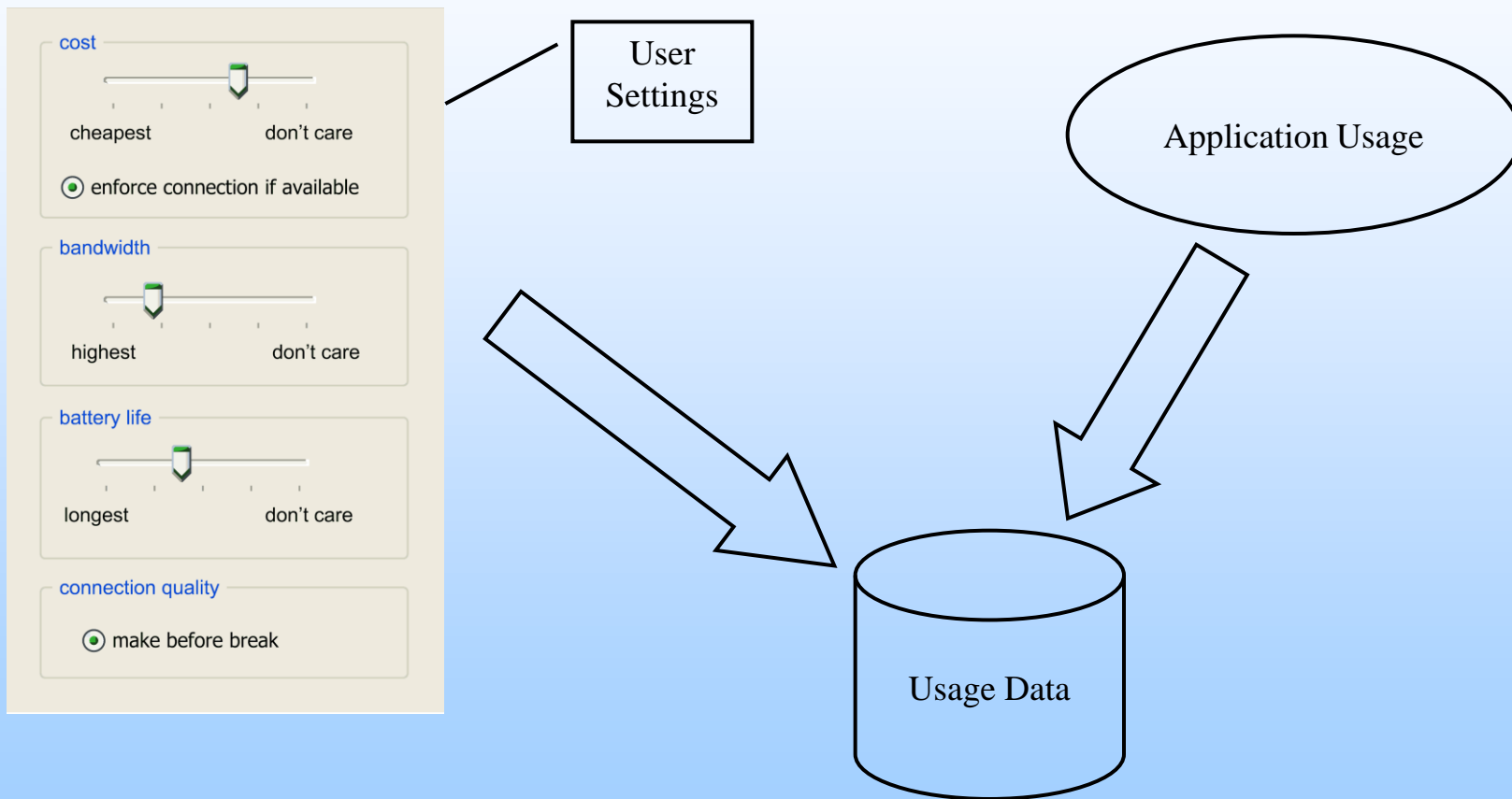
- **User Involvement**

- Perimeter project, focuses on user centricity, this living-lab concept allows users of a prototype of the system to provide (implicitly) actual, valuable information and impose new directions for research and experimentation.
- The user-centricity nature of and added values provided by the prototype would also provide natural incentives for users to get involved and actively participate in the system.

- Resource Description
  - Testbed end-users are a large, disparate collection of individuals, that are resource of the testbed. It is worth categorising testbed end-users into communities/segments/groups and capturing this in the Resource Description.
- Quality Assurance of testing activities
  - The end-user input through forums, focus groups, customer advisory panels and most importantly usage data will drive and evaluate the innovation process of the testbed, however the quality of such material input must be consistent.

- Quality Assurance of testing activities
  - The concept of "user experience", or its quantification with the term "Quality of Experience", should be flexibly extended to include all aspects of user expectation and satisfaction factors -including pricing, security, privacy, and application dependent traditional QoS parameters.
  - Though these service attributes will strongly depend on the physical aspects of the network, they should be decoupled from the physical network infrastructure details through the development of standardized "QoE signalling" protocols or similar approaches.

- Collection of real user data



- Requirements for the European Experimental Facility
  - Legal issues and user-concerns have to be considered
  - Privacy will be a concern for users, where a mobile devices can usually be regarded as a multi-dimensional sensor and transceiver attached to and identifying a single person. Though the communication data might have been secured, the user's usage and mobility patterns, real-time location information, etc will constitute significant privacy issues.

- Resource Description
  - Testbeds will offer commercial and pre-commercial mobile networks, but there must be a common distributed test-bed site set-up and resource description which is a correlation of physical layer and access network of the individual testbeds incorporating IP, GPRS/UMTS, WLAN & WiMax and other such technologies.

- SLAs, quality assurance of testing activities
  - Testbeds should be designed to allow for:
    - Hardware & Software version control, configuration.
    - Service environment component integration.
    - Test-bed adaptation.
    - Redeployment of service environment components.
    - Assessment and evaluation of the tested variables
      - Such as usability, privacy, interoperability, performance and security

- Requirements for the European Experimental Facility
  - Multi-Operator Environment
    - Testbeds will have to allow for diversity in access technologies
    - And a large diversity of operators

