

PII use scenario : Concurrent testing

France Telecom / Orange Labs

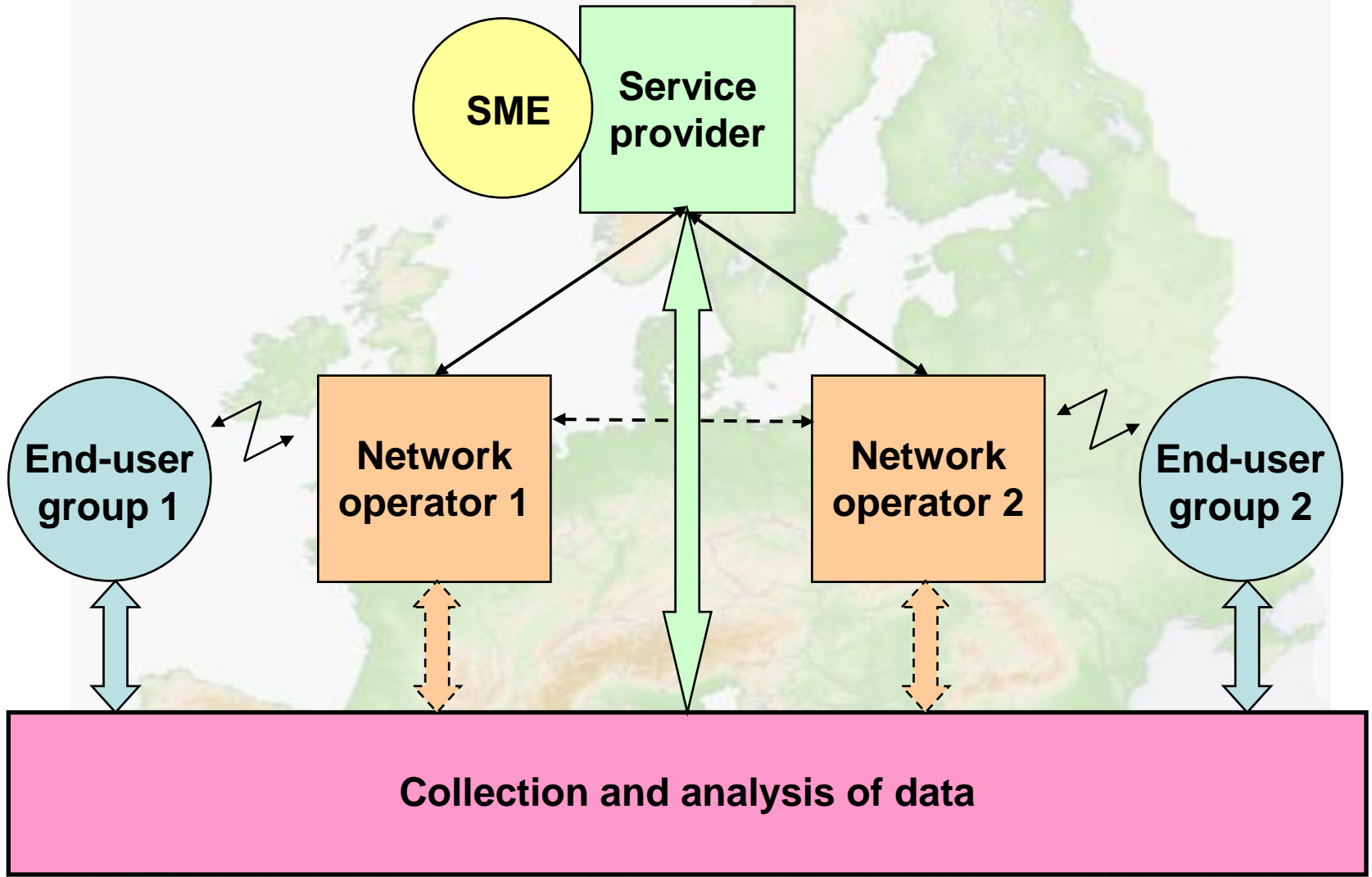
Jean-Claude Imbeaux, Research & Development
27 november 2008
ICT 2008 Lyon

Networking Session N.112:
Integrating Future Internet Research and Experimentation activities across
Europe



Use scenario overview

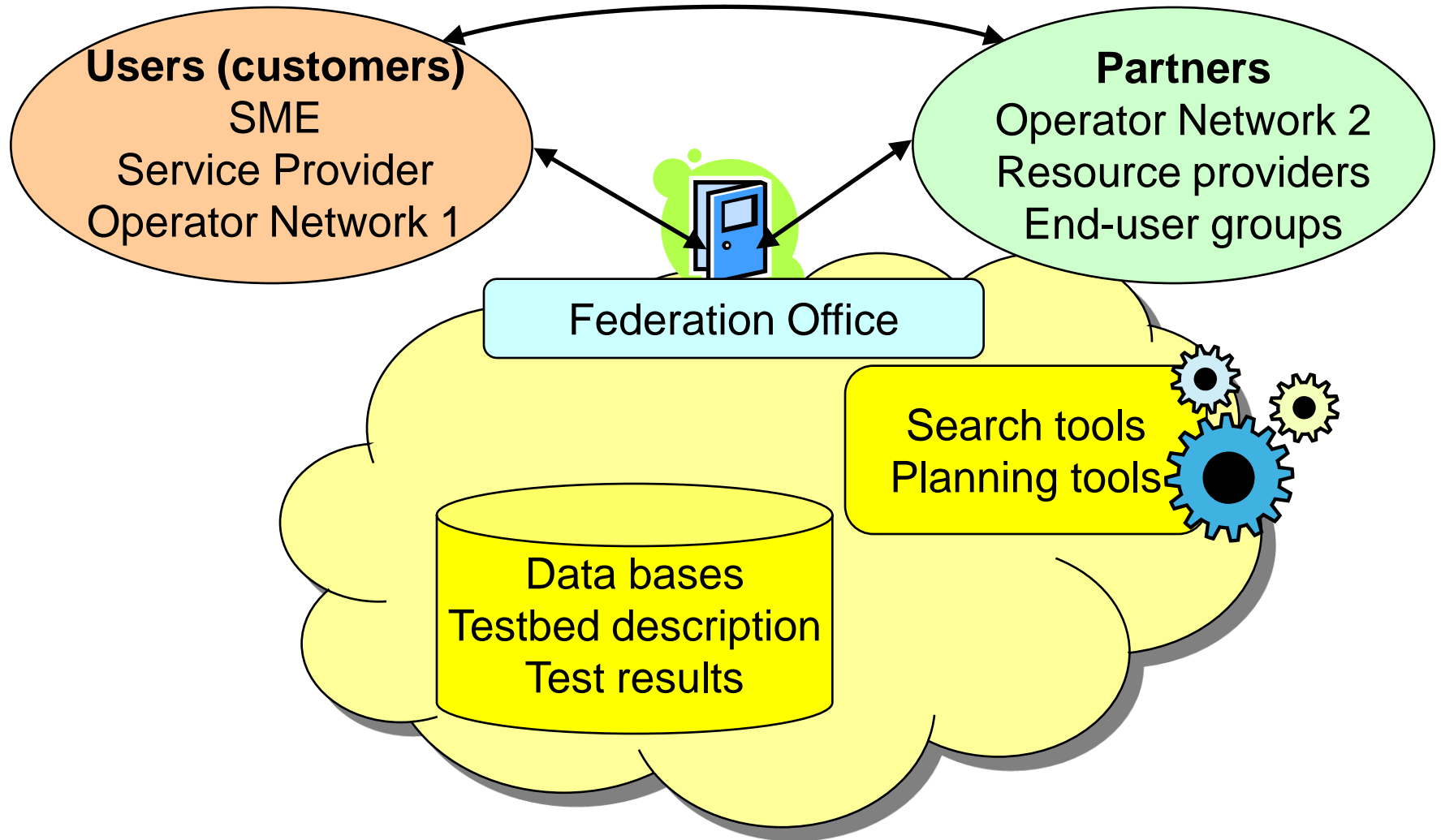
- **A geographically localized information service**
 - developed by a SME or ICT Industry, including the user interface on a mobile device
 - implemented by a service provider and/or network operator
 - successfully deployed in a European country
- **Question : What is the potential extension of the service to new markets ?**
 - new countries with different people
 - new types of information
- **A federation of testbeds is a powerful tool for this evaluation**
 - services to search partner testbeds and end-users
 - live experience with different end-user groups
 - concurrent testing exploiting the testbed/network interconnection



Classification of participants

- **Users (customers) of the federation of testbeds**
 - SME or ICT Industry having developed the service (geographically localized information service)
 - service provider offering the service through the network of an operator
 - operator of the network offering supporting the service
- **Partners contributing to concurrent testing**
 - operator(s) from different countries, with networks able to support the service
 - organization recruiting end-user groups
 - end-user groups
 - [organization collecting the data and analyzing the results]

Establishment of links between participants



Role of the participants in the preparation phase

- **User of the federation specify its requirements**
 - technical setup and equipment needed
 - end-user group characteristics
 - type of expected results
- **Federation provides a general framework including services and tools**
 - to offer models for contractual and operational aspects
 - to identify suitable partners and resource providers
 - to define test planning and resource allocation
- **Partners commit to provision resources**
 - testbed / network 2
 - end-user groups
 - tools to collect results

Test setup and execution

- **Provision of testbed**
 - updating the localized information data base
 - integrating new components in network 2 (if required)
 - adapting mobile devices (if required)
 - interconnecting the components of the testbed
- **Execution of concurrent testing**
 - according to agreed test plan
 - collecting raw results (technical measurements, questionnaires)
- **Analysis and exploitation of concurrent testing results**
 - to identify expectation and behaviour of end-users
 - to define the needed adaptation of service content delivery
 - to estimate the benefit of a deployment in other countries

Expected benefits

- Evolution of network architecture and services (improvement and/or new fonctionnalités)
- Growth of the market (new countries)
- Business development for SME, service provider, ICT industry, network operator
- Attractive service offer for end-user
- Increase in experience for the federation of testbeds

thank you

