

# FIRE Strategy Workshop

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FIREWORKS

# 1. Testbed data / resource representation

A common resource representation is **necessary to simplify**

- the **aggregation** of individual resources, and
- the **representation of the global resource** available by the association of different testbeds



# 3. Monitoring challenges in the federation

Real time monitoring of the connection between testbeds is essential to

- **identify** some possible **limitations** (bit rate, time delay...) or **problems** (intrusion, loss of connectivity)
- **determine** if **the fault** is on the connection or on the testbed itself
- **optimise the architecture** and its dimensioning, or to upgrade the testbeds



# 4. Governance aspects of the testbed federation

- A non-for profit organization seems to be the best solution to assure the operation of the federation
- The need to setup a new legal entity is questionable:
  - It is important to keep the objective of a light and simple structure
  - A testbed provider keeps the ownership of its testbed, and keeps the decision on the performance and evolution of its testbed
    - He shall do its reasonable efforts to ensure that its resources operate properly, and to fix any bug or defect identified.
    - He shall consider the proposals or recommendations of the federation for the evolution of its testbed, when deciding to implement or not new functionalities (relates to 2. quality assurance of testing activities)



# 5. Requirements for the European Experimental Facility

- The application domain of testbeds is very broad
  - from research on physical layer, algorithms, protocols to service and application layer, including interworking and standardisation conformance test
- A kind of label such as "**successfully operated in Pan-European Laboratory**" looks to be expected by companies or projects developing new products, as an opportunity for advertising

