

Fondazione Ugo Bordononi (FUB)

The institution and its mission

- FUB (<http://www.fub.it/en/>) is a **not-for-profit research institute under the supervision of the Italian Ministry of Economic Development**. Its main activity areas are the following:
 - **Research:**
 - Fixed network, Next Generation Networks, Mobile and wireless networks
 - Cyber Security and Data Mining
 - **Innovation Policies:**
 - Innovation policies for the TLC industry
 - Support to institutional bodies on both technical, and regulatory issues
 - **Consultancy to the PA:**
 - Transition to digital TV and analogue switch-off, and frequency management and planning,
 - Mobile spectrum re-farming and broadband access quality assessment
 - **Consumer Protection and Cultural Heritage:**
 - Citizens and consumers protection as a neutral entity
 - Italian cultural heritage and language preservation

Offered expertise and equipment

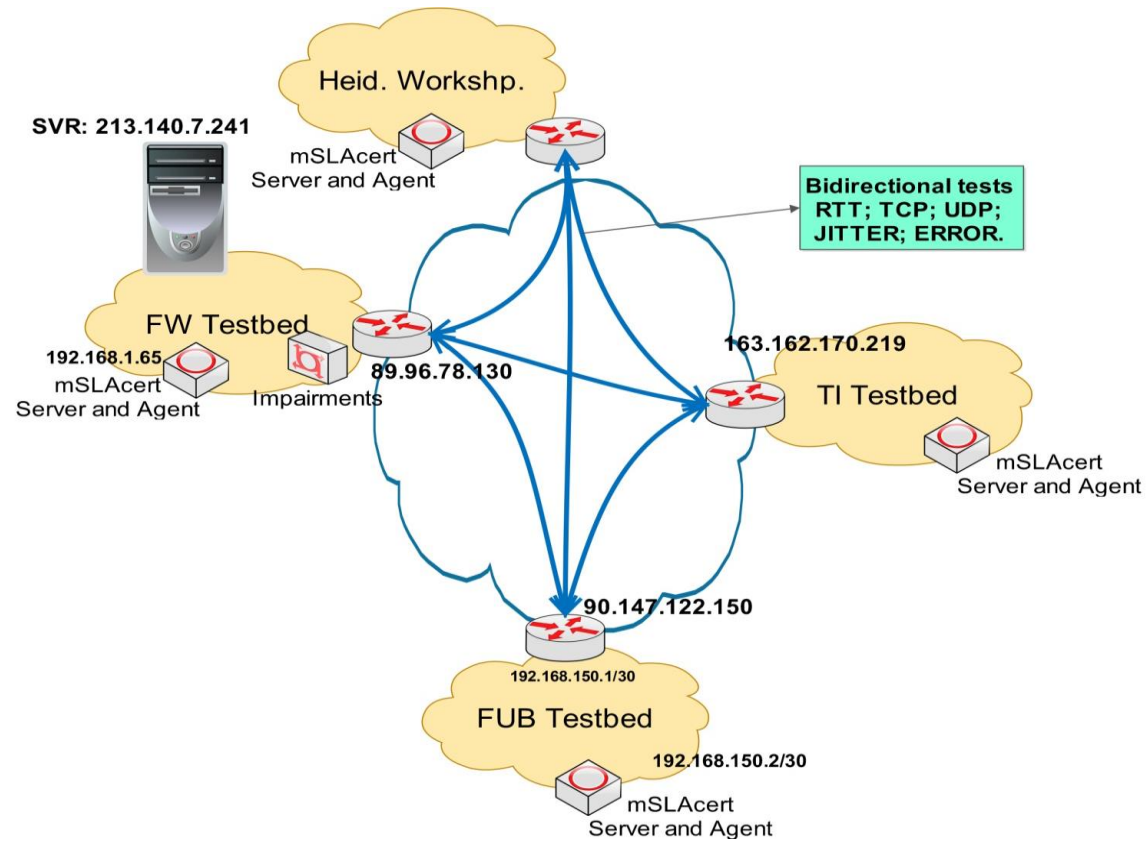
What value can we bring to a project?

- ❑ **Technical**
 - ❑ **Mobile measurement** expertise and equipment
 - ❑ **Fixed network measurement** tools
 - ❑ Availability of **testbed** for future experimentation (including optical networks)
- ❑ **“Immaterial assets”**: owing to its neutrality, FUB has a long established habit of acting as third party and of co-operating with both private and public entities:
 - ❑ Public Administration (Italian PA, co-operation with PAs of other countries in the framework of CEPT, ITU, etc.)
 - ❑ Telecom operators (fixed, mobile)
 - ❑ Manufacturers
 - ❑ Public utilities (e.g. energy distribution companies)
- ❑ **Networking**
 - ❑ Academia, research centres
 - ❑ Manufacturers
 - ❑ End-users of ICT services and tools (e.g. airports, user associations, etc.)
- ❑ **Positive and proactive attitude towards teamwork and cooperative projects**

FUB key projects and expertise

Relevant to Phase 2 Pre-structuring model

- ❑ Fixed internet access quality verification and certification misurainternet.it
- ❑ Mobile internet access evaluation (stationary and moving terminals) misurainternetmobile.it
- ❑ mPlane (FP7) <http://www.ict-mplane.eu/>: implementation of a **QoS/QoE measurement plane** based on active and passive probes for
 - ❑ Certification and verification of SLA
 - ❑ Content popularity
 - ❑ Performance of mobile networks
 - ❑ Web Video performance



FUB activities with the Italian PA towards 5G

Forthcoming 5G Lab in Italy

- ❑ Promoted by ISCOM, the High Institute for ICT of the **Ministry of Economical Development** (MiSE).
 - ❑ FUB will participate to the Lab set-up and development
 - ❑ Some major Italian companies already support the constitution of the Lab (e.g. ENEL – former State-owned electricity provider, Autostrade – Operator of motorways and owner of TLC infrastructure)
 - ❑ The Italian 5G Lab will complement other European initiatives (Germany, Spain, Sweden, UK, etc.)
 - ❑ It will concentrate on **Mission Critical services**

For more information:

http://www.fub.it/en/content/international_relations

<http://www.fub.it/en/content/h2020>

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