



**ISTITUTO SUPERIORE  
MARIO BOELLA**

# EXPRESSION OF INTEREST TO 5G PPP

*STRAND 4: NETWORK VIRTUALISATION AND  
SOFTWARE NETWORKS*

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*M. Boella*  
**I S M B**

Istituto Superiore Mario Boella

**60**  
SECONDS



**TO PRESENT**  
**ISMB**

**135**

RESEARCHERS & STAFF



ONGOING PROJECTS

**19** EU FUNDED (FP7)

**36** INDUSTRIAL R&D

**18** NATIONAL AND REGIONAL



**7** RESEARCH AREAS

**4** FUNCTIONS

**3** STRATEGIC PROGRAMS

PUBLICATIONS

**960** TOTAL

**167** IN 2013

WORKFORCE COMPOSITION

**80%** MASTER DEGREE

**70%** ENGINEERS

**30%** PhD



OVERALL TURNOVER (IN 2013)

**10,5** MLN €

**5** MLN €  
CdSP FUNDING

**5,5** MLN €  
COMPETITIVE BUDGET

# STRAND 4: NETWORK VIRTUALISATION AND SOFTWARE NETWORKS

- **P15: Service Programming and Orchestration**

- Definition of **tools** to support the development, deployment and maintenance of **modular and composable** service function **blocks and devices**
  - Model-based tools delivering services which can...
    - "**self-discover**" other services autonomously in peer-to-peer fashion and
    - form "**self-emerging**" and "**self-organizing**" pools of services

- **P16: Multi-Domain SW Networks**

- Federation of service platforms in a multi-provider context to provide sustainable end-user services involving ICT infrastructures operated by different organizations
  - Possible scenario: ecosystem of Smart City applications

# CONTACTS

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