



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

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## OPEN SCIENCE

*Research at the University of Bologna addresses, in a multidisciplinary perspective, all aspects of open science and open innovation and the quadruple helix model, open data applications, digital humanities, skills and competencies for open science.*

## Open innovation

- Technology and innovation management
- R&D management; internationalization of R&D
- Economics of innovation
- Models of developing, protecting and exploiting innovation
- Technology transfer
- IPR, patenting activities and technology licensing
- Intellectual capital and innovation
- Determinants and knowledge spillovers in invention processes
- Role of skills and division of labour in collective inventions and entrepreneurship in virtual environments
- Collaborative practices and innovation, collaborative automation
- International sourcing of Knowledge and offshoring processes; offshoring of intangibles
- Scientometrics
- Economics of science; scientists' incentives
- Organizational capabilities, inter-firm networks, industrial districts
- University-industry collaborations
- Academic entrepreneurship; academic spin offs; academic patenting
- Communication and engagement of civil society

## Open data

- Big data, open data, policy making and decision-making processes
- Open data, open government, democracy and participation
- Scholarly communication
- Document engineering
- Ontology engineering
- Semantic web and ontologies; semantic publishing; digital publishing
- Knowledge management
- Knowledge management for e-Government

## Skills for Open Science

- Open access publishing
- Data management and open data
- Research ethics and integrity

## HIGHLIGHTS

### [Open Science at UNIBO](#)

The University of Bologna is involved in the process of developing an open, transparent, and shared science. It has included Open Science in its strategical plan and has set out a University policy based on open access to research publications and data.

### **European Projects**

Horizon 2020 [SERRI](#) - Building Self-Sustaining Research and Innovation Ecosystems in Europe through Responsible Research and Innovation.