



SPOKE 6

Open Research Infrastructures, joint labs, higher education with industrial collaboration



Finanziato
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Ministero
dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA





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Leader: Sapienza Università di Roma

Università degli Studi di Roma Tor Vergata
Università degli Studi Roma Tre
Università degli Studi della Tuscia
Università Campus Bio-Medico di Roma

CNR
INFN
ISS
ENEA

Almaviva
BVTech
Lventure
Takis
Thales
Unicredit

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Tasks

6.1 Open research infrastructure for innovation (IARI): common technological platform including top level scientific instrumentation and state-of-art large laboratories, open to provide research and technological services to internal and external partners of Rome Technopole. The activity will be focused on:

- regulation for shared use and service-on-demand of the open research infrastructure;
- redevelopment and upgrading research laboratories of IARI.

The availability and strengthening of the open research infrastructure IARI, with top-level instrumentation, is strategic in order to promote attractiveness of early-career researchers, post-PhDs and top scientists coming from all the country and abroad.

6.2 Joint labs: *for developing proof-of-concept level activities through stable collaboration between research partners and industrial partners, on specific topics.*

6.3 Open labs and co-creation: *labs open to students, researchers, stakeholders aimed at promoting open innovation and co-creation.*

6.4 Higher education with industrial collaboration: post-graduate programmes on selected areas, aiming at meeting the demands of regional and national industries. Activation of courses in collaboration with industrial partners.

6.5 Vocational training for technologies and innovation: definition of relevant training areas and EQF compliant curricula. Activation of courses.



Nodi IARI

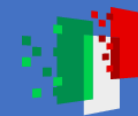
ENTE	Infrastruttura di ricerca	Ente finanziatore principale
Sapienza Univ. di Roma	Sapienza Research Infrastructure (SRI)	Sapienza
Sapienza Univ. Di Roma - SBAI	ATOM	Regione Lazio
ISS	Grandi strumentazioni e core facilities (FAST)	ISS
CNR	NanoMicroFab	Regione Lazio
ENEA	MAIA	Regione Lazio
INFN	LATINO	Regione Lazio
Univ. di Roma Tor Vergata	ISIS@MACH (MATERIALS Characterisation Hub)	Regione Lazio – Bando “Potenziamento delle Infrastrutture di ricerca PNIR per elevare il tasso di innovazione del tessuto produttivo regionale”
INGV	Infrastruttura multidisciplinare di ricerca	INGV – in fase di formalizzazione



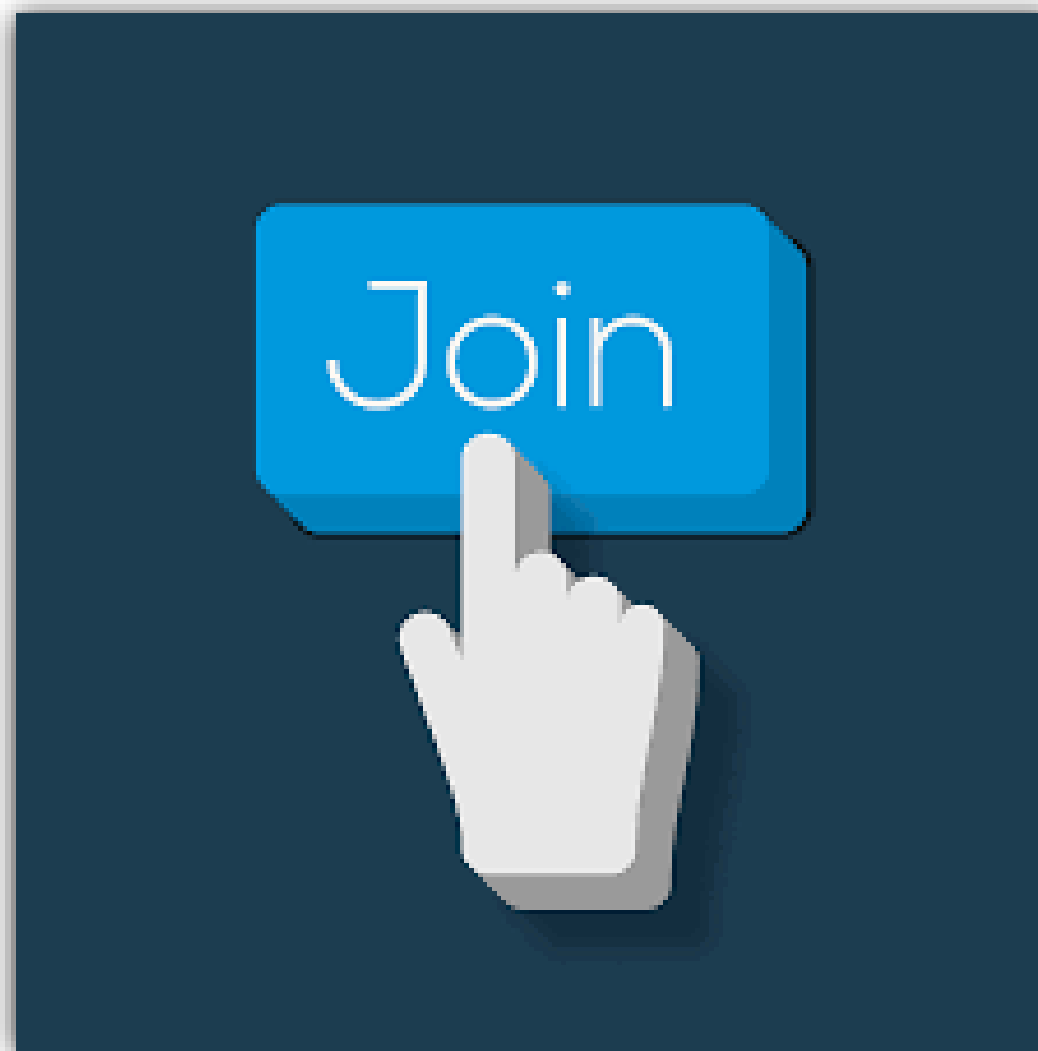
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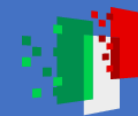


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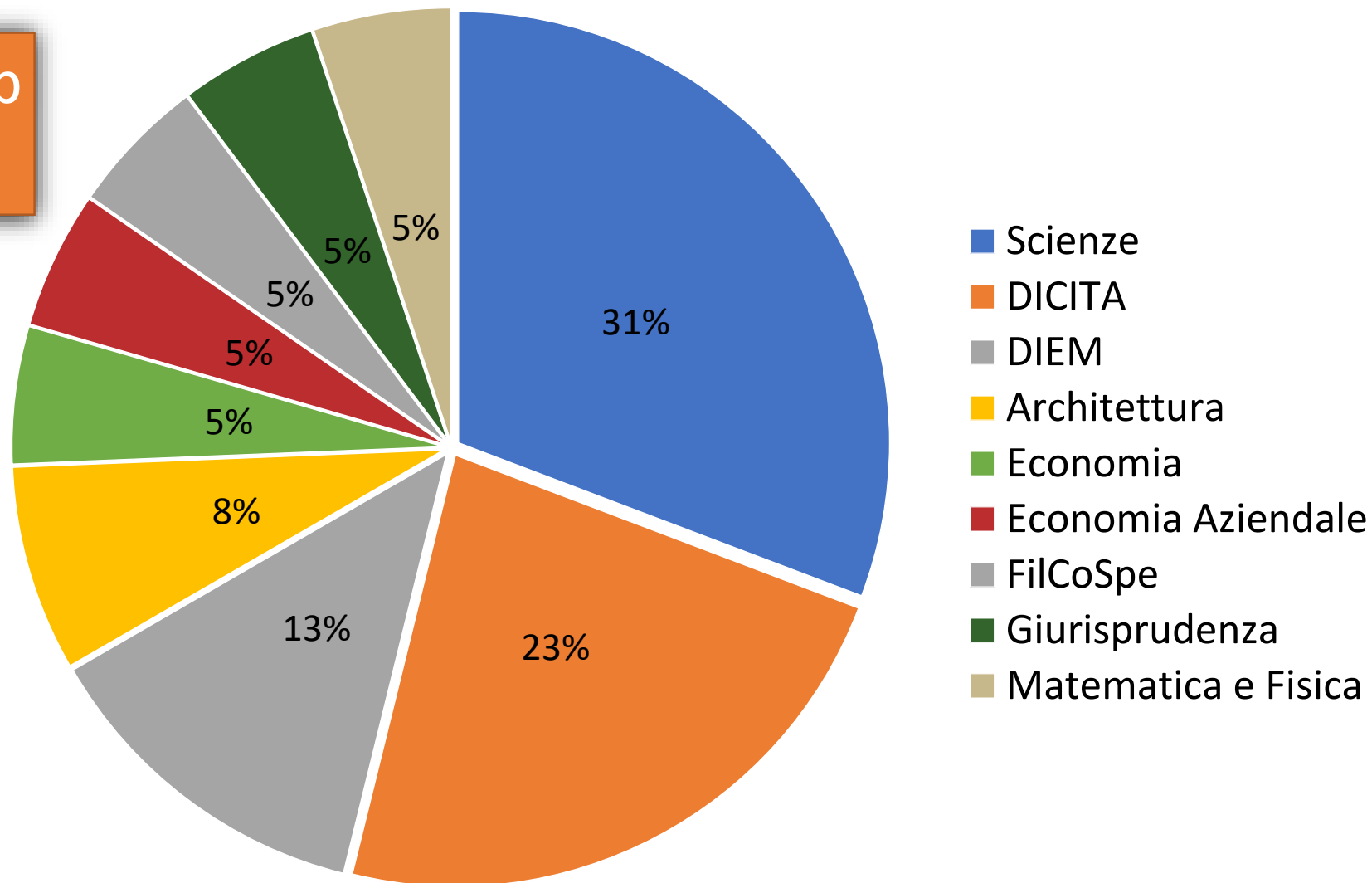


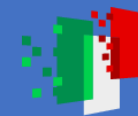
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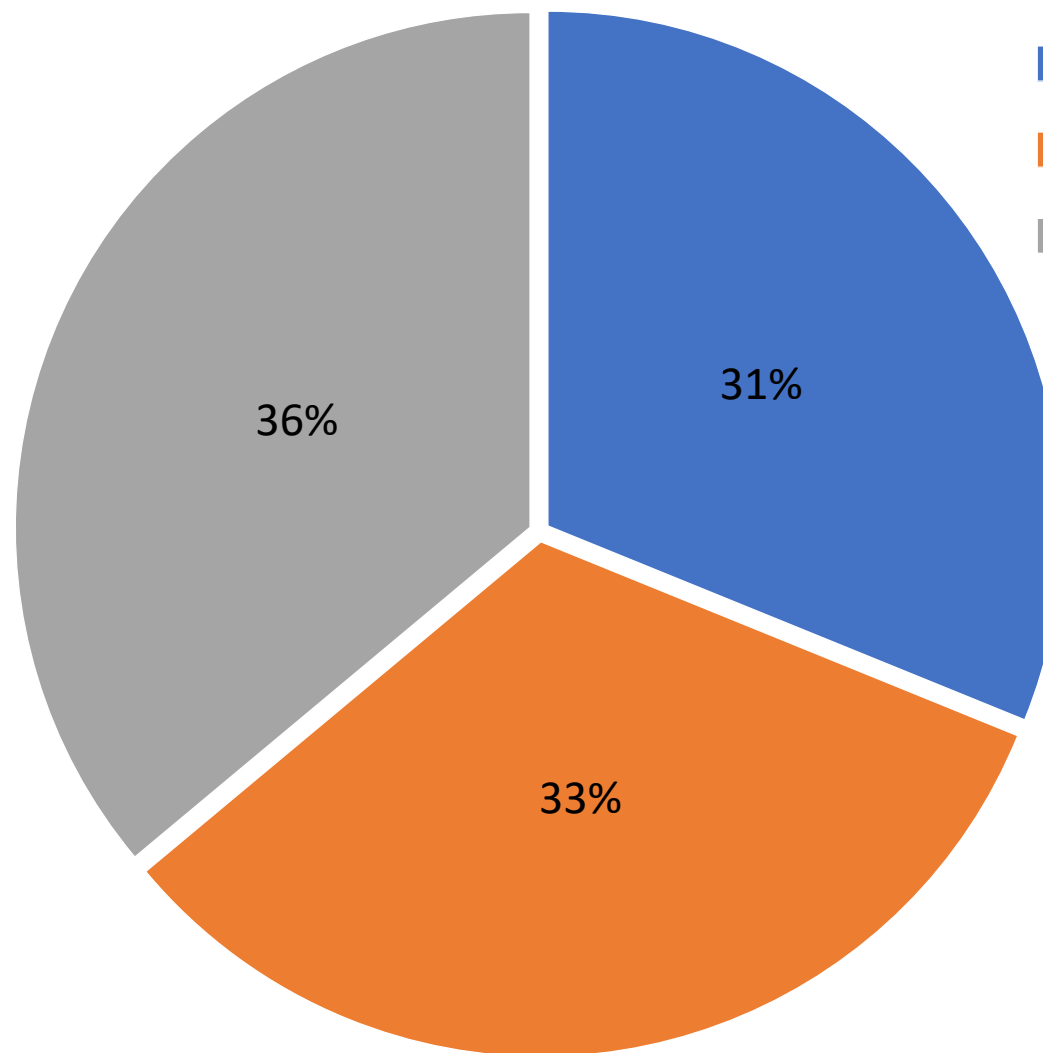


Joint Lab + Open Lab per Dipartimento





Joint Lab + Open Lab
per **Pillar**



- Transizione Energetica
- Transizione Digitale
- Salute & Bio-Farma



Flagship Project

FP1 - Decarbonization and digitalization in research on new green energy sources

FP2 - Energy transition and digital transition in urban regeneration and construction

FP3 - Digital transition in the decarbonization process and in waste recycling processes

FP4 - Development, innovation and certification of medical and non-medical devices for health

FP5 - Digital transition through AESA (Active Electronically Scanned Array) radar technology, quantum cryptography and quantum communications

FP6 – Artificial intelligence, virtual reality and digital twin for advanced engineering and aerospace

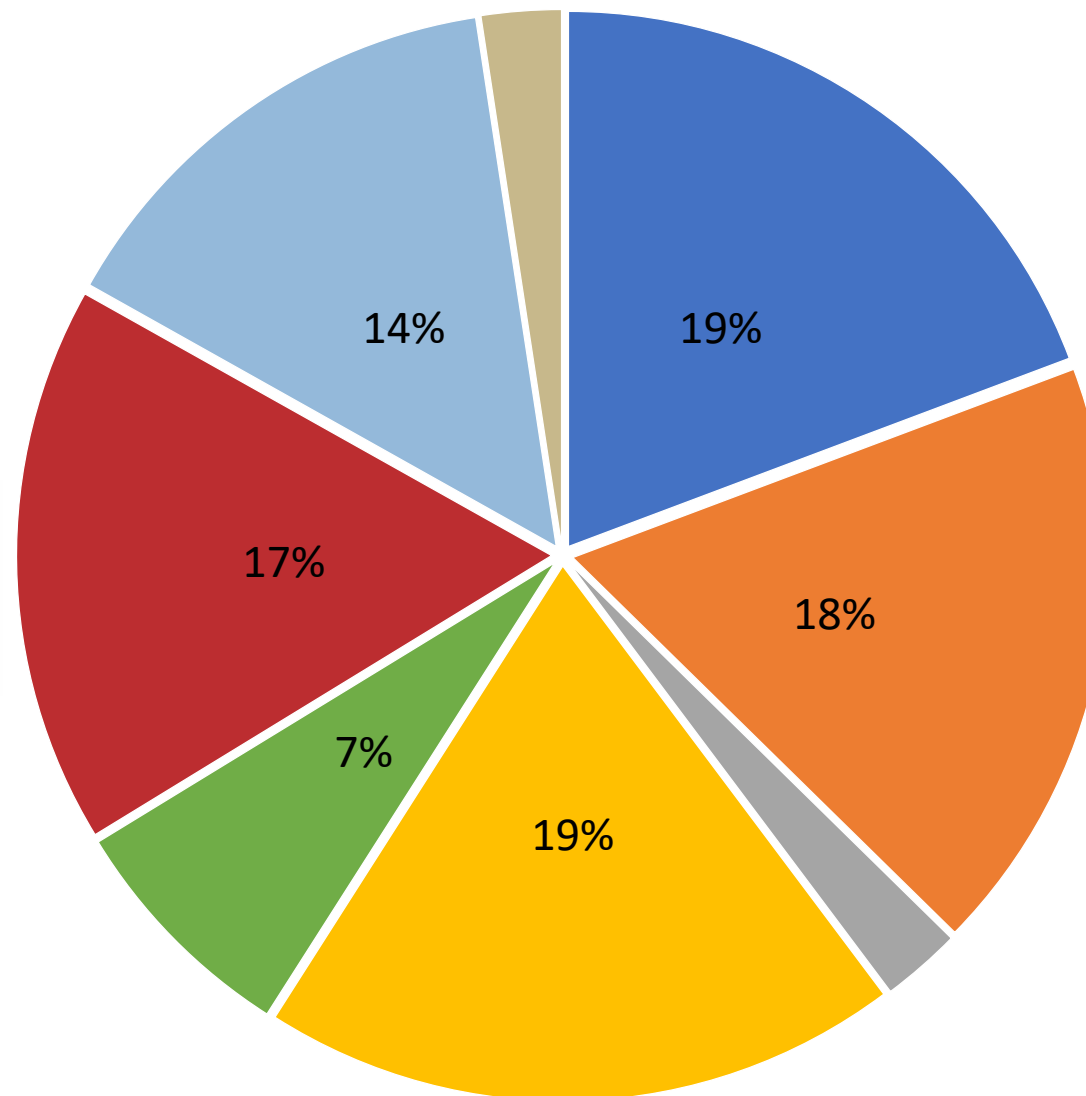
FP7 - Advanced and automated innovation labs for diagnostic and therapeutic biopharma solutions

FP8 - Human-centric AI to deliver empowered customer experiences



Titolo

Joint Lab + Open Lab
per Flagship Project



- FP1
- FP2
- FP3
- FP4
- FP5
- FP6
- FP7
- FP8

