

*The strategic design of Research
Investments in the Italian Recovery Plan*

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The structure of Mission 4

- Mission 4 in the Recovery Plan: “Education and Research”
 - Component 1: “Improving the supply of education services: from nursery to university”
 - ✓ Largely shared with the Ministry for Education
 - ✓ Aimed at generating investments to bridge the gaps at all education levels, enrich opportunities for education, increase the quality of teaching, improve the quality of the infrastructures.
 - Component 2: “From Research to Business”
 - ✓ Largely shared with the Ministry of Economic Development (MISE)
 - ✓ Aimed at increasing the growth potential of the Italian economic system, favouring the transition towards a development model based on research, improving resilience and sustainability.

The strategic design

- Our approach:
 - Identify the starting points
 - Focusing on the gaps
 - Empowering existing structures
- Three strategic objectives:
 - Improve the quality of the system
 - Internationalization and bridge the gaps
 - Invest on people and infrastructures for the people

1. Improve the quality of the system

- A major weakness of the Italian system has been identified in the lack of a systemic approach
- Interventions aimed at improving the research system as a whole:
 - The «Hub and spoke» approach
 - Collaboration among different players to reach the critical threshold
 - Extended network, National Centres, Innovation Ecosystems...

2. Internationalization and bridge the gaps

- Bridge the gaps:
 - Territorial gaps
 - Social gaps (inclusiveness)
 - Digital gaps
 - Gender divide (gender equality)
- A bridge between institutions, and a bridge to Europe:
 - A reform to increase mobility within the system
 - Investment on young people and attraction of international researchers

3. People and infrastructures for the people

- Investments focused on people:
 - Development of high-skilled human capital (excellence)
 - Investment on young people and attraction of international researchers (international cooperation)
- Infrastructures:
 - Investing on infrastructures to create the best opportunities for the people engaged in research in Italy

A summary of the interventions

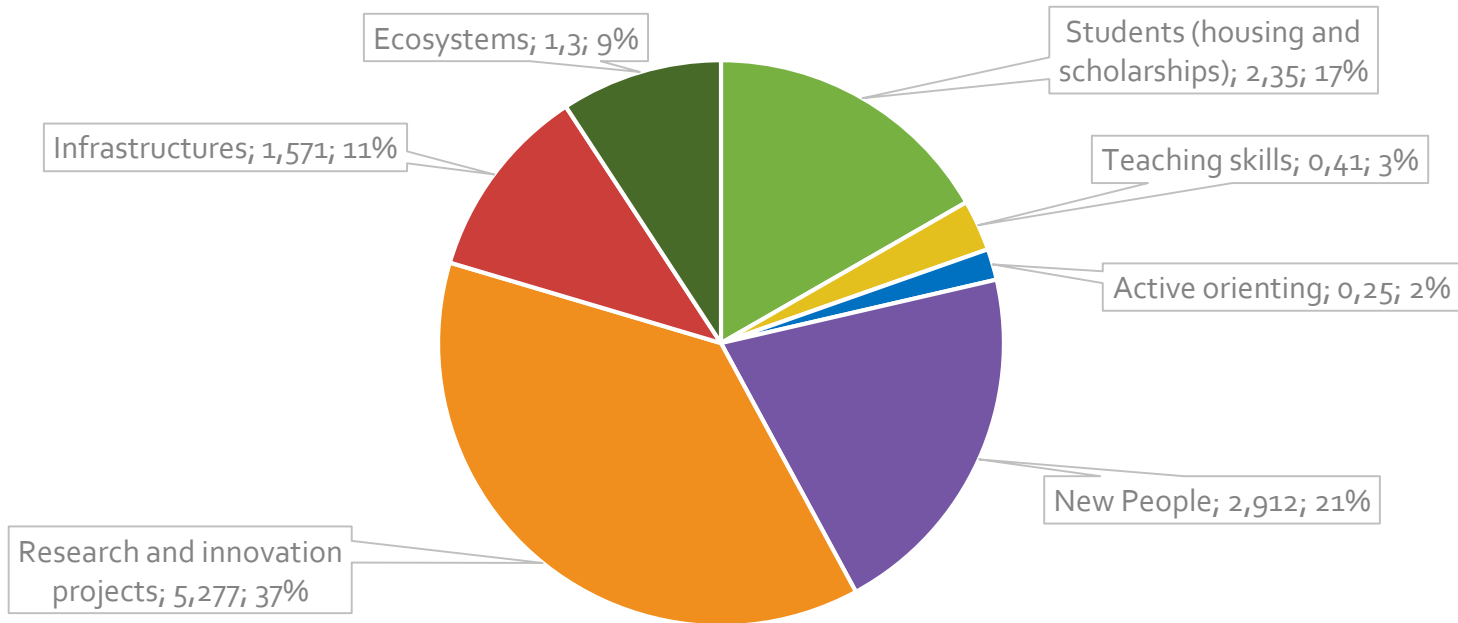
Id	M4C1	Funds (m€)	Id	M4C2	Funds (m€)
Investments					
1.6	Active Orientation	250	1.1	Extended PRIN	1,800
1.7	Student housing	960	1.2	Initiatives for young researchers	600
1.8	Scholarships	500	1.3	10 Extended research partnerships	1,610
3.4	Advanced university teaching	500	1.4	5 National Centres	1,600
4.1	More PhD positions and PhDs for Public Administration and Cultural Heritage	440	1.5	12 Innovation Ecosystems	1,300
			3.1	30 Research and Innovation Infrastructures	1,580
			4.1	5,000 industrial PhDs	600
Reforms					
R1.5	Reform of university degrees	-	R1.1	Simplification and Mobility in Research collaborations	
R1.6	Reform of enabling degrees	-			
R4.1	Reform of PhDs	-			

Resource breakdown (MUR investments)

Investments (billion €)

Total investment is 14.07 bn

(12.24 RRF + 0.93 React EU + 0.90 privately cofinanced in industrial and green&digital PhDs)



A joint design between MUR and MISE

