



Finanziato
dall'Unione europea
NextGenerationEU



Ministero dell'Università
e della Ricerca



Italiadomani
PIANO NAZIONALE
DI RIPRESA E RESILIENZA



Riunione progetto PNRR ROME TECHNOPOLE

Lucia Sabbatini 25/10/2022

**Avviso pubblico: Proposte per la creazione e il rafforzamento di "Ecosistemi dell'Innovazione»
PNRR, Missione 4 Istruzione e ricerca
Componente 2 Dalla ricerca all'impresa, Investimento 1.5**

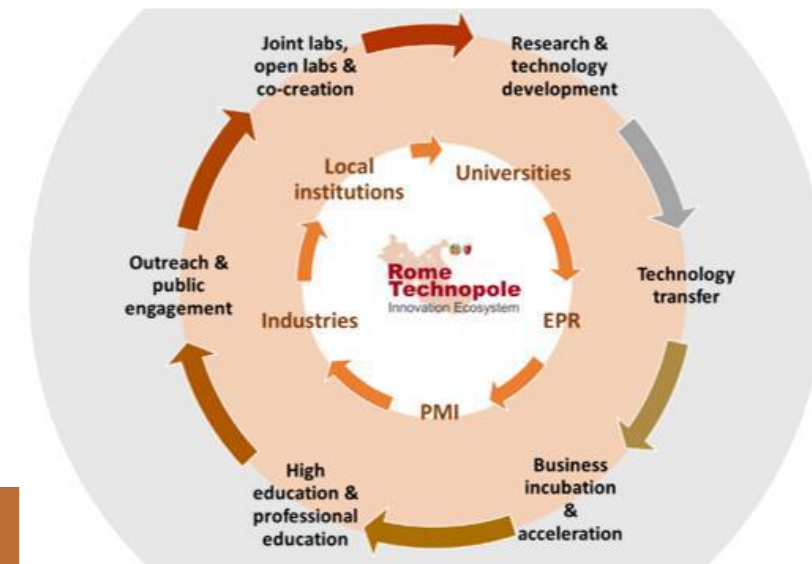
Rafforzamento dell'**integrazione** tra università, istituti di ricerca, imprese e istituzioni regionali per la formazione professionale, la ricerca industriale, l'innovazione e il trasferimento tecnologico

Sviluppo di nuovi **programmi formativi** per integrare curricula transdisciplinari nei corsi universitari esistenti, basati su tecnologie indirizzate a rispondere alla necessità da parte industriale di personale altamente qualificato

Implementare un modello stabile di collaborazione tra **ricerca e impresa**, creando un polo di attrazione per la catena dell'innovazione

Dotare la regione di **un'infrastruttura di ricerca aperta** per fornire support all'innovazione e alla crescita competitiva per le imprese e gli stakeholders

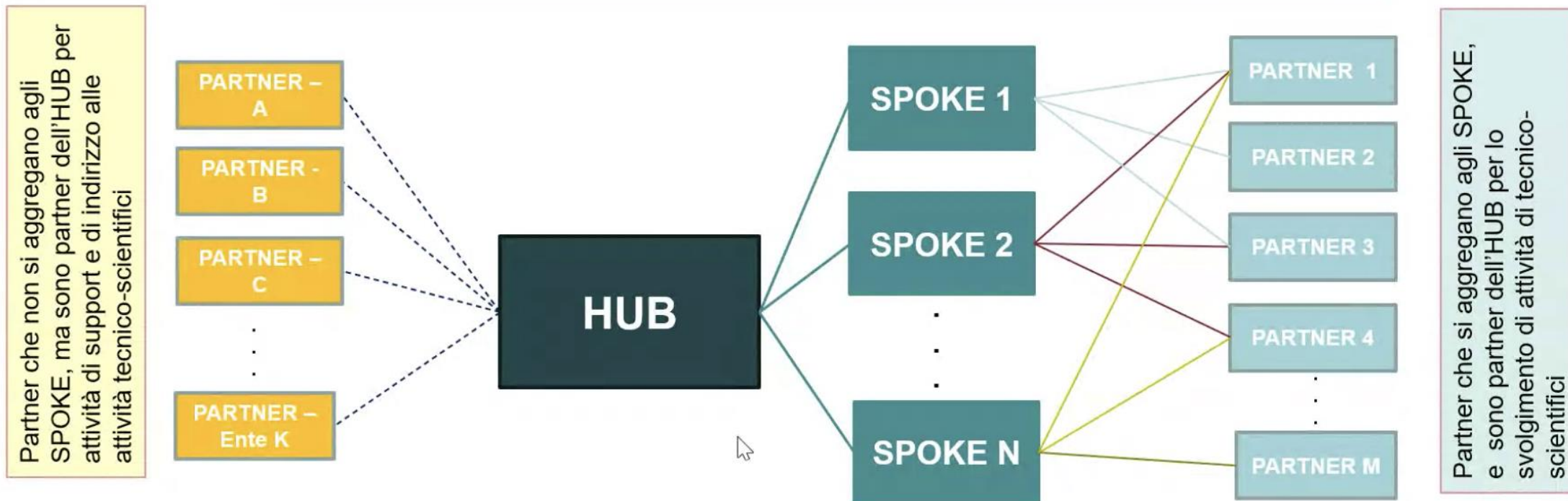
Aree tematiche: Transizione energetica
Transizione digitale
Biopharma e salute





SISTEMA HUB & SPOKE

Piano tecnico-scientifico e piano economico finanziario



Gli SPOKE hanno ruolo tecnico-scientifico. Coordinano e realizzano le attività tecnico-scientifiche svolte dagli spoke attraverso le organizzazioni partecipanti ed eseguono la rendicontazione tecnico-scientifica di tali attività all'HUB, che è «soggetto attuatore», unica interfaccia con il MUR, responsabile dell'attuazione del piano.

Il flusso economico-finanziario prevede un rapporto diretto tra HUB e SPOKE, e poi tra SPOKE e organizzazione partecipanti.



HUB – Rome Technopole

Smart Specialization Strategic Areas

SPOKE

1 - Applied research technology development & innovation

2 - Technology transfer, new entrepreneurship, business incubation & acceleration

3 - University education, industrial PhD courses, internationalization

4 - Professional undergraduate education in technology

5 - Out-reach, public engagement, longlife learning

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

ENERGY
TRANSITION

DIGITAL
TRANSITION

HEALTH &
BIO-PHARMA



	01	02	03	04	05	06
	Applied research technology development and innovation	Technology transfer, new entrepreneurship, business incubation and acceleration	University education, industrial PhD courses, internationalization	Professional undergraduate education in technology	Out-reach, public engagement, lifelong learning	Open Research Infrastructures, joint labs, higher education with industrial collaboration
Spoke leader	<i>Università La Sapienza</i>	<i>Roma Tor Vergata</i>	<i>Roma Tre</i>	<i>Università di Cassino</i>	<i>Università della Tuscia</i>	<i>Università La Sapienza</i>
	1.1 Fundamental research	2.1 Valorization of research results for industrialization	3.1 Transdisciplinary university courses	4.1 Student guidance and attraction toward professional courses	5.1 Dissemination and Exploitation of technical and scientific results	6.1 Open research infrastructure for innovation
	1.2 Industrial and applied research	2.2 Valorization of technologies for industrialization	3.2 International university courses	4.2 ITS professional courses	5.2 Knowledge exchange with stakeholders	6.2 Joint labs
	1.3 Pre-competitive development	2.3 Business incubation, promotion of new start-ups and spin offs	3.3 Apprenticeship university courses and internships	4.3 Bachelor professional courses	5.3 Visibility and impact on society	6.3 Open labs and co-creation
	1.4 Technology development and innovation	2.4 Business acceleration and venture capital	3.4 PhD courses in partnership with industries, apprenticeship and international PhD courses	4.4 Network for professional education (ITS, schools, Universities and Enterprises)	5.4 Lifelong learning	6.4 Higher education in cooperation with industries
	1.5 IPR and joint foreground	2.5 Training in technology transfer	3.5 Attraction of excellence students and foreign students	4.5 Transition between professional and university courses for dropout reduction	5.5 Secondary school student engagement	6.5 Vocational training for technologies and innovation
	1.6 Project management and communication	2.6 Patenting & licensing	3.6 IPR and agreement with industrial stakeholders	4.6 Placement of students coming from professional courses	5.6 Placement	

Flagship projects

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

Flagship projects

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

FP2 - Energy transition and digital transition in urban regeneration and construction – **RUGGERO RICCI**

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 – **FABIO CARDELLI**

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 – **CLAUDIO DI GIULIO**

FP7 - Advanced and automated innovation labs for diagnostic and therapeutic biopharma solutions – **STEFANO PIOLI**

Foundation Rome Technopole ATS Temporary Association

membership as spokes or spokes affiliates: 11 universities and research centers and 14 industries and enterprises

membership as founding associated partners of Rome Technopole: all the local public authorities (Regione Lazio, Lazio Innova, City of Rome) and industrial unions (Chambers of Commerce, Unindustria) as well as some companies and research bodies for a total of 15 members will join Rome Technopole as founding associates

membership to the stakeholders' board: over 40 public and private entities, representing some of the most interesting and promising economic and social realities of the territory, have expressed their support to Rome Technopole and shown their interest in being involved in its activities and plans such as the open calls

Partners

Università La Sapienza

Università Roma Tor Vergata

Università Roma Tre

Università di Cassino

Università della Tuscia

CNR

LUISS

INFN

ISS

ENEA

Università Campus BioMedico

AirbusItalia

Almaviva

BVTech

Catalent Anagni

Coima

ENI

Leonardo

Lventure Group

Maire Tecnimont

MBDA

Takis Biotech

Thales

Unicredit

Unidata



Budget

Partner	Budget totale
Università La Sapienza (Capofila)	44.582.761,00 €
Università Roma Tor Vergata	12.918.173,00 €
Università Roma Tre	11.648.481,00 €
Università di Cassino	5.150.200,00 €
Università della Tuscia	5.982.669,00 €
CNR	4.702.775,00 €
LUISS	1.157.759,00 €
INFN	2.885.370,00 €
ISS	3.639.161,00 €
ENEA	3.129.799,00 €
Università Campus BioMedico	2.687.921,00 €
AirbusItalia	232.026,00 €
Almaviva	988.721,00 €
BVTech	1.716.746,00 €
Catalent Anagni	1.483.253,00 €
Coima	221.220,00 €
ENI	150.000,00 €
Leonardo	794.361,00 €
Lventure Group	1.027.737,00 €
Maire Tecnimont	497.606,00 €
MBDA	494.361,00 €
Takis Biotech	988.721,00 €
Thales	1.931.456,00 €
Unicredit	494.361,00 €
Unidata	494.361,00 €
	109.999.999,00 €

CRONISTORIA E PROGRAMMA FUTURO

30 dicembre 2021: Bando

24 febbraio 2022: Manifestazione d'interesse

aprile 2022: Fase 2

giugno 2022: Rimodulazione

Fondazione/ATS

Atto d'obbligo

1 luglio 2022: INIZIO PROGETTO

ottobre 2022: avvio riunioni di spoke e di FP

31 ottobre 2022: 1° milestone

30 maggio 2023: 2° milestone

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30 giugno 2025: FINE PROGETTO