

# The world is our lab. Let's innovate together



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IBM Italy Research  
& Business Unit

R&b

# IBM INNOVATION + OPEN INNOVATION

Bring **IBM INNOVATION** to clients and public organizations and tackles complex real-world industrial problems in the areas of human well being

Act as a catalyzer to capture **OPEN INNOVATION**: fostering partnerships and joint collaborations with the Italian University & Research Ecosystem in Italy and abroad

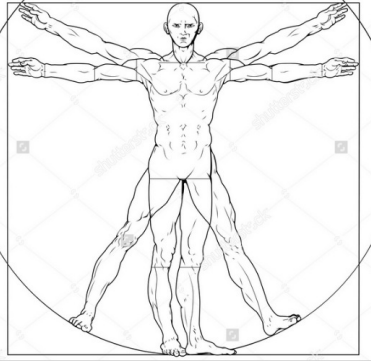
R&b



# A set of Focus Areas aligned with the Italian investment priorities and growth forces

IBM Italy Research  
Unit global  
positioning

## Well-being



Driven by data and  
technology

1. Health & Nutrition

2. Human assistive  
solutions for learning,  
cultural, well-being

3. Proactive Cyber  
Intelligence & Security

4. New sustainable  
Energy & manufacturing

## A set of public commitments that will catalyze Italian market growth next years

*Human Technopole (post EXPO), Genomics, Life Sciences, nutrition, Regione Emilia active intelligence center*

*Tourism & Cultural System, Cybersecurity,*

*Italia 4.0 (Ricerca, Big Data, Robotics, Digital Manufacturing),*

*European Union H2020*

*MIUR PON*

*New Generation Networks 5G*



# IBM Italy R&b current projects & selected anchor Clients



Health, & Nutrition

Healthcare Research



Pharma



Nutrition



Wellness



ISTITUTO CLINICO HUMANITAS



Human assistive solutions for learning, cultural, wellbeing

Aging & Accessibility



Active Education



Culture Tourism



New Sustainable Energy & manufacturing

Research



Oil & Green Energy



Utility



New Materials



Proactive Cyber Intelligence & Security

Research



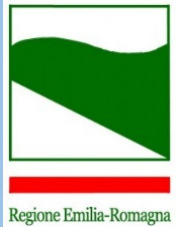
Banking



Insurance



New IBM lab in Bologna for Active intelligence



+ Antennas in IBM Almaden Austin Boston/MIT Yorktown Tokio Zurich Beijing &



New Foundational technologies

Social Robotics Laboratory



ISTITUTO ITALIANO DI TECNOLOGIA

New Generation of 5G Networks



WW IBM Cryptocards Development



Quantum Computing



# Overall IBM R&b university ecosystem in Italy (partial view)

**H2020 Research Projects**  
 IBM Research Haifa and IBM Research Brazil

**Univ. Rel. activities:**  
 1500 hours of lectures; 10 adjunct profs  
 100 scientific conferences and events per year  
 rejuvenation--> hiring


**Watson Universities**  
 Politecnico Milano; Università. Trento

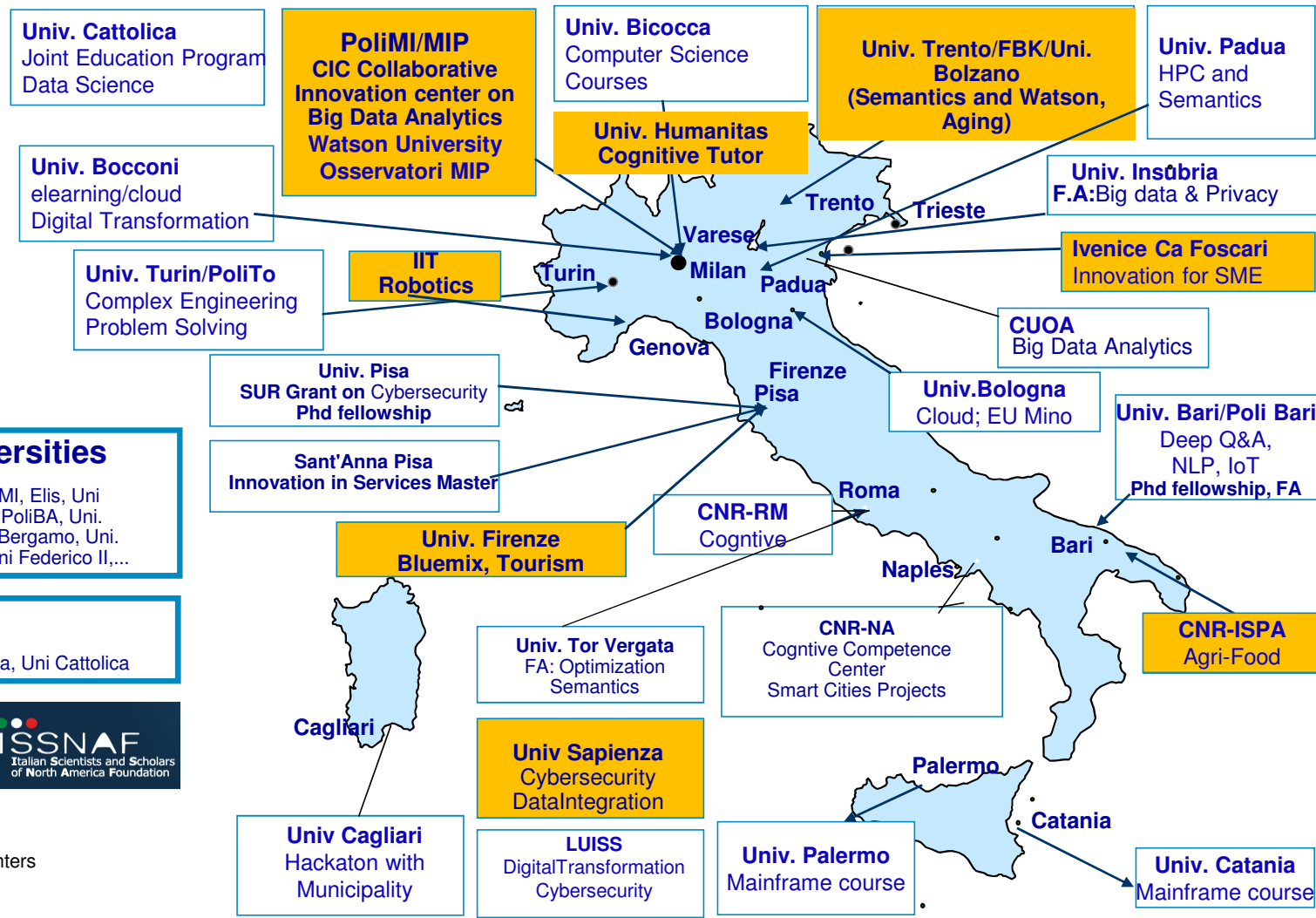
**Bluemix Education: 25 Universities**  
 Univ. MI, Univ. Na, Univ. Trento, Uni Roma 2, PoliMI, Elis, Uni Bicocca, Univ. Salerno, Univ. Cagliari, Univ. Bari,, PoliBA, Uni. Insubria, Seconda Univ. Napoli, Uni. Perugia, Uni Bergamo, Uni. Bologna, Uni. Catania, Uni. Piemonte Orientale, Uni Federico II,...

**Accessibility/Disability**  
 PoliMI, PoliTO, Univ. Trento, Univ. Siena, Uni. Roma, Uni Cattolica

**Italian Researcher Network in US**



 = current Top Research Collaboration Centers



# Our vision: pioneering an innovative operating model.



(after 3 years incubation we are graduating to fully operational model)

## 1. Top Universities & Research centers in Italy and abroad

**ISSNAF**  
Italian Scientists and Scholars of North America Foundation

**AAIIC**  
ASSOCIAZIONE ACCADEMICI ITALIANI IN CINA

## 2. Venture capitalist, Investors, Incubators, Startups/newco

**START-UP NATION**

**ISTITUTO CLINICO HUMANITAS**

**GRUPPO OSPEDALIERO SAN DONATO**

## 3. Funded Projects European Union, Italian Government, Regions

**Regione Emilia-Romagna**

**CURATE, DEVELOP & ADAPT**  
Inventions and Solutions



**Global IBM Research & Labs**



**CAPTURE**  
Complex Problems & Challenges

## R&b Innovation Projects

R&b current **Active Intelligence** engagements & selected anchor Clients

Health & Nutrition	Healthcare Research	Pharma	Nutrition	Wellness
Human assistive solutions for learning, cultural, wellbeing	Aging & Accessibility	Active Education	BBS	Culture Tourism
New Sustainable Energy & manufacturing	Research	Oil & Green Energy	Utility	New Materials
Proactive Cyber Intelligence & Security	Research	Enel	Banking	Insurance
New Foundational technologies	Social Robotics Laboratory	Generation of 5G Networks	Yodanis	Quantum Computing

IBM Italy Customers

# Thanks!



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