



CloudTech

Marrakesh 2016

Intro and Microsoft Azure

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Agenda:

ISMB

Microsoft Innovation Center Torino

Microsoft Azure Overview



POLITECNICO
DI TORINO



Our mission is creating
value-driven and socially
**relevant technological
& process innovations**
in close collaboration
with industry and
institutions

Founded by Compagnia di San Paolo and Politecnico di Torino in 2000, ISMB is a non-profit Research & Innovation Center on ICT.



www.ismb.it

PEOPLE & NETWORK

We are more than 130 researchers working on R&D projects.

Our domain is the ICT and the innovation technology.

103 Under 36

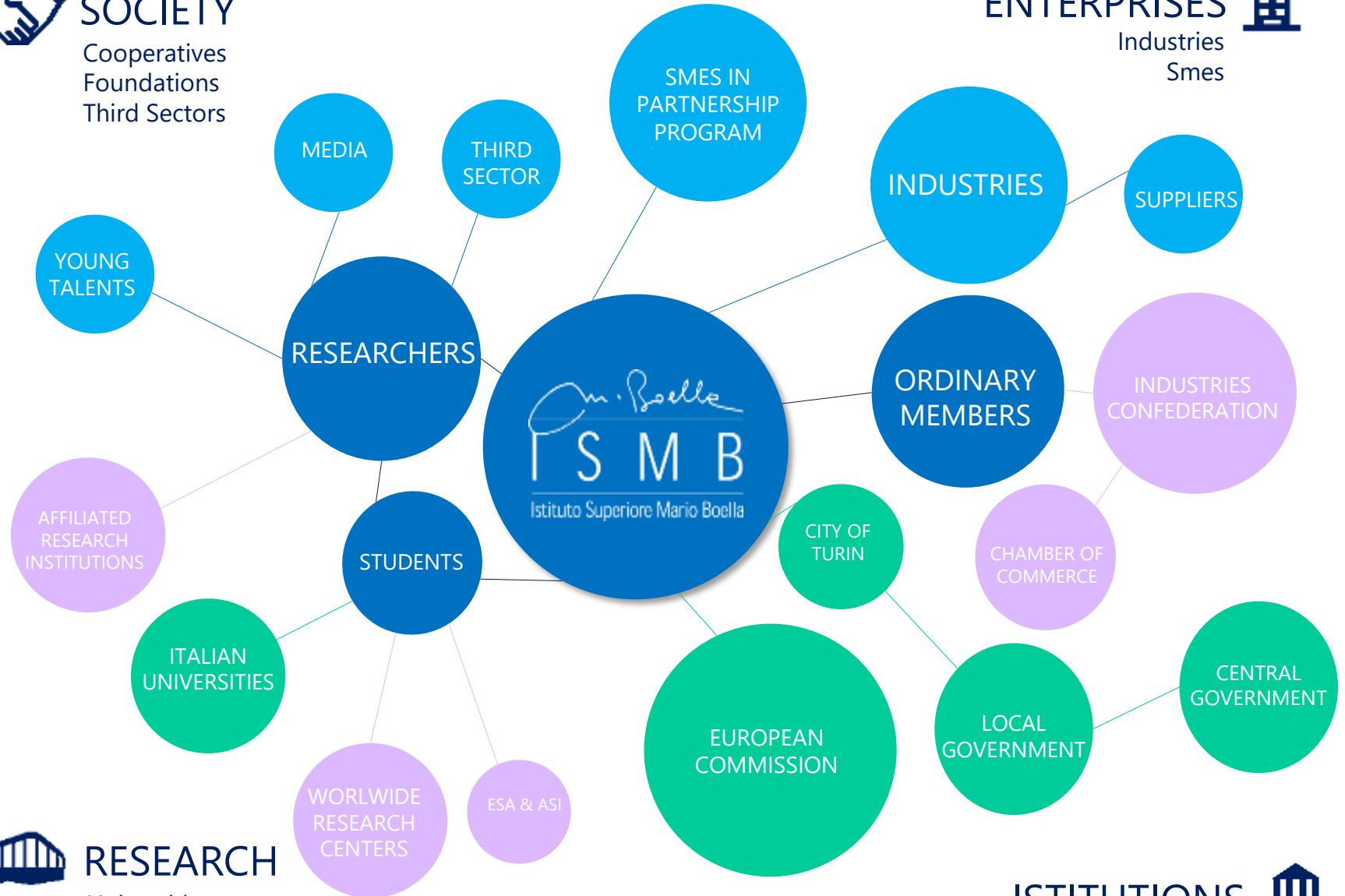
75 Employees

52 Collaborators

95% Graduates

87% Engineers

33% PhD



ISMB STRUCTURE

ISMB counts more than 140 researchers working on R&D projects. More than half of the workforce is under 35, 85% are engineers and 36% has a PhD.

7 RESEARCH AREA



3 STRATEGIC PROGRAMS



3 FUNCTIONS





Innovation Center Torino

We're working on the domain of mobile solutions and the emerging paradigms of **Big Data**.

We aim to support the **innovation of services, products and processes** realizing **end-to-end** solutions, based on **Cloud Computing** technology and connected with **Smart Device** applications (i.e. Embedded) following the **IoT** paradigm.

The **smart data management** support the development of the added value services.



OUR TOPICS

SMART PROGRAMS

Smart City and Mobility
Smart Health
Smart Energy
ITS

EMERGENCY MANAGEMENT

ENVIRONMENT

Cultural Heritage
Territory

PRODUCTIVE ACTIVITIES

Food and agriculture
Factory of the Future
Digital manufacturing

INNOVATION CULTURE

Education
Training
Events

FINANCIAL SERVICES

SPACE

CONTEXT AWARENESS

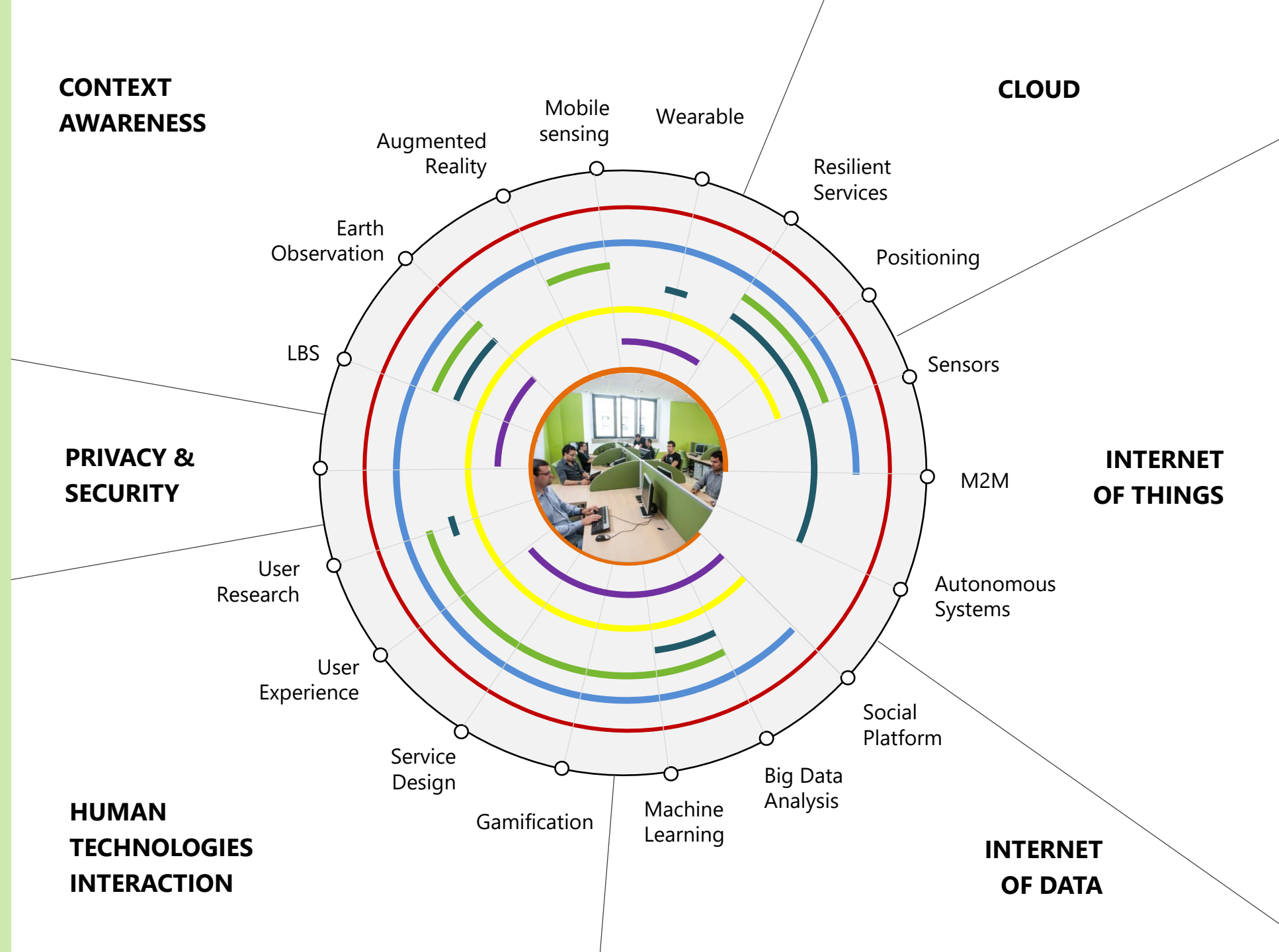
PRIVACY & SECURITY

HUMAN TECHNOLOGIES INTERACTION

CLOUD

INTERNET OF THINGS

INTERNET OF DATA



Microsoft BizSpark



We manage the strategic and operative activities of the **BizSpark Program** in **Italy**. In particular, we hold consulting and technical trainings focused on Microsoft Azure for the BizSpark Italian **startups**, as well as we support startups with dedicated **architectural reviews**. We also cooperate with the **BizSpark Network Partners**, the most important incubators and accelerators in Italy, in order to consolidate the **local startups ecosystem**.

#startups #cloud #bizspark

www.bizspark.com



2500+

Enrolled Startups from the begin of the program in Italy (5 years)



1435

Italian Startups Active in the three-year program



850

Italian Startups Active who use the Microsoft Azure cloud platform



Microsoft Azure

Microsoft Azure

Microsoft Azure

DEVELOPER + APP PLATFORM

Visual Studio Family + Azure App Service

DATA + ANALYTICS

Cortana Analytics Suite

INTERNET OF THINGS

Azure IoT Suite

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Microsoft Azure

CLOUD INFRASTRUCTURE

Compute



Virtual Machines



Containers



Remote App



Batch

Storage



Blob Storage



Azure Files



Premium Storage



Active Directory



Multi-Factor Auth



Automation



Key Vault

Security + Management



Express Route



Virtual Network



Load Balancer



DNS



Traffic Manager



VPN Gateway



Application Gateway

Networking



Azure AD Connect Health



AD Privileged Identity Mgmt



Backup



Operational Insights



Import/Export



StorSimple








Site Recovery

Hybrid Operations

Microsoft Azure

DEVELOPER + APP PLATFORM





App Platform Services

-  App Service
-  Notification Hubs
-  API Management
-  Service Fabric
-  Cloud Services


Integration

-  Storage Queues
-  BizTalk Services
-  Hybrid Connections
-  Service Bus

Development Tools

-  Visual Studio
-  Visual Studio Online
-  Application Insights
-  Azure SDK

Media & CDN

-  Content Delivery Network
-  Media Services

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Microsoft Azure

DATA + ANALYTICS

Data



SQL Database



DocumentDB



Redis Cache



Search



SQL Data Warehouse



Data Lake



Tables

Analytics



HDInsight



Machine Learning



Data Factory



Mobile Engagement

INTERNET OF THINGS

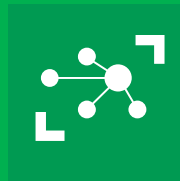
Azure IoT Suite

CLOUD INFRASTRUCTURE

Azure + Azure Stack + Operations Management Suite

Microsoft Azure

INTERNET OF THINGS



IoT Hub



Stream
Analytics



Logic Apps

CLOUD INFRASTRUCTURE

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