



The role of University of Messina in Boosting Entrepreneurship Education

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UniMessina at a glance



23,316
Enroled students

535
Cooperation agreements with foreign universities

500
Students on international mobility every year

150
International students enroled every year

87
Degree programmes

53
Visiting scholars

12
Departments

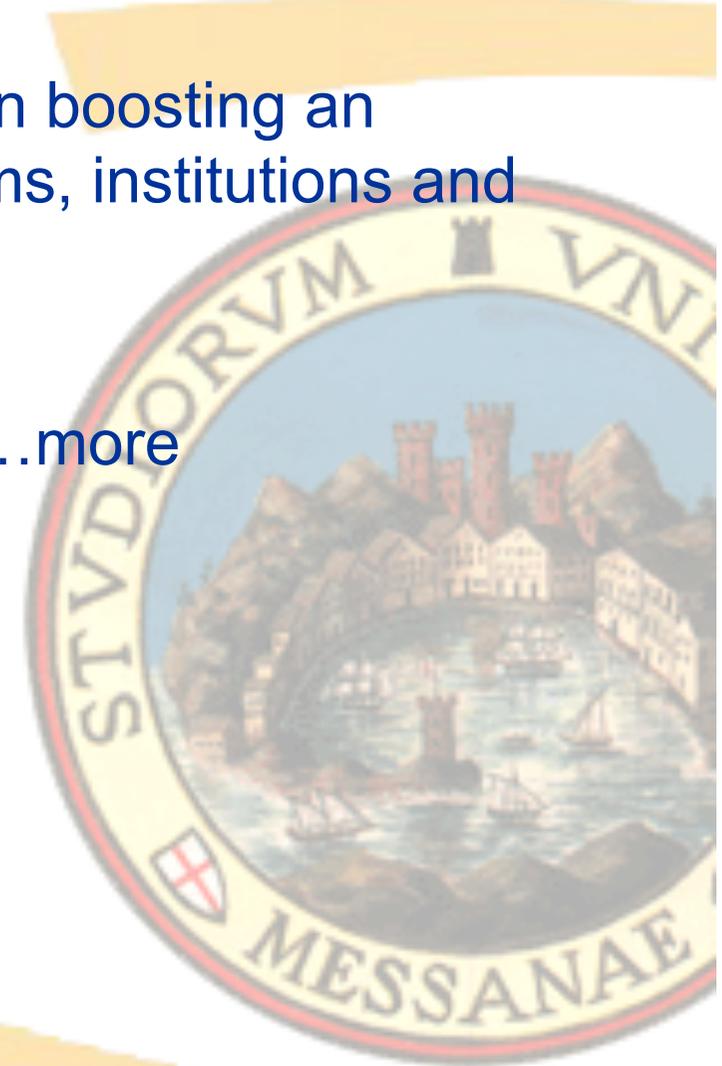
8
Degree courses in English

5
Double degree programmes

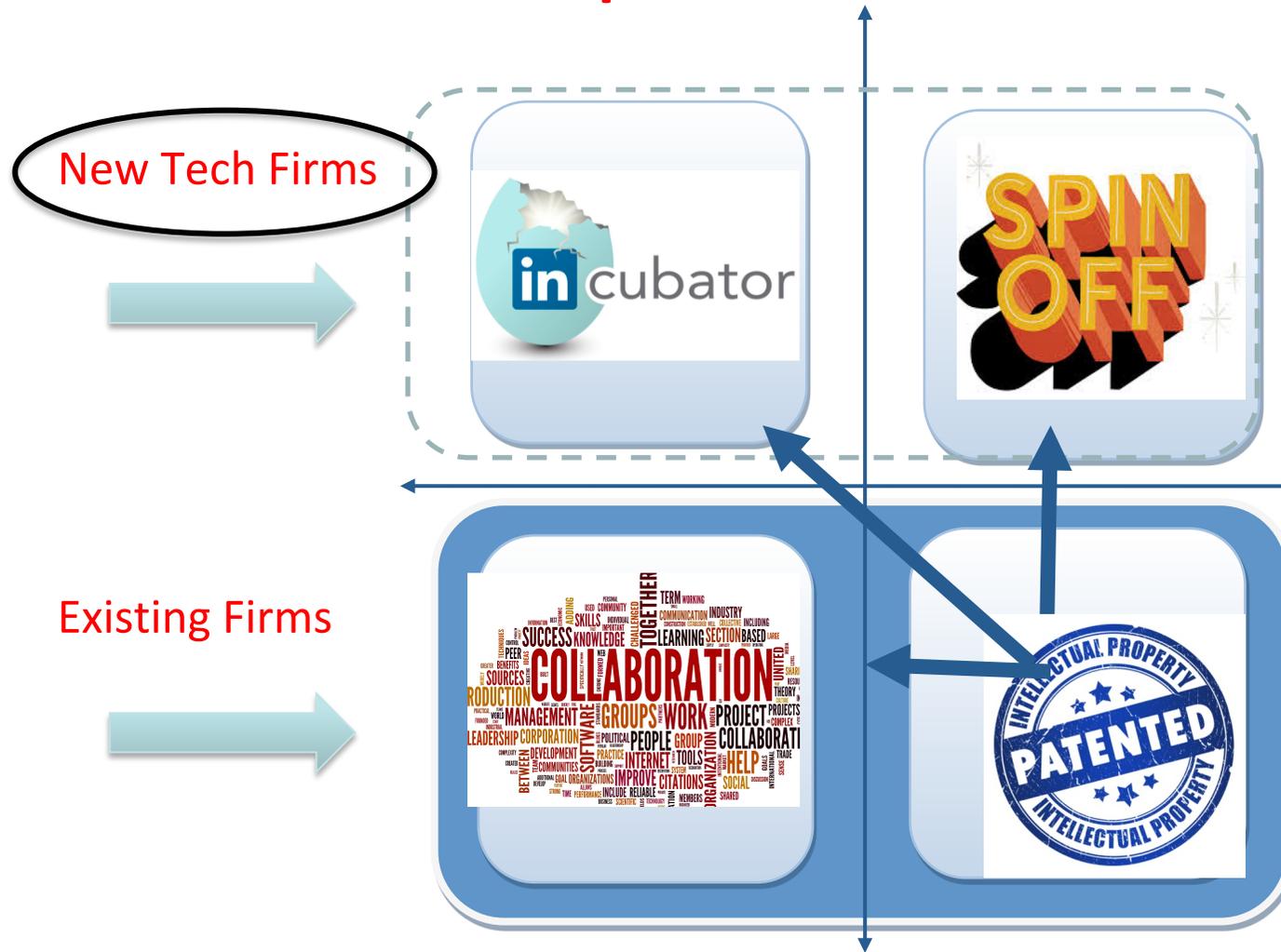


Premise

- University may play a central role in boosting an innovative ecosystem including firms, institutions and potential entrepreneurs.
- University of Messina wants to be...more entrepreneurial!!!



Entrepreneurial University



Some starting points...

- Entrepreneurship courses are included in master programs in Engineering and Economics Departments.
- Seminars are also addressed to PhD students
- BUT, it is hard to attract students and young researchers with no incubators and/or Contamination Lab
- Partnering with local companies to launch entrepreneurship courses is also hard

How to boost entrepreneurial mindset in local ecosystems?

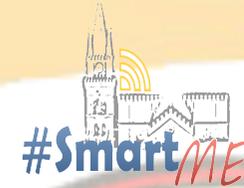


Case study: #SmartMe

- **#SmartME** is an initiative of UniMessina able to link digital technologies, talents and innovation
- The goal is creating a sustainable entrepreneurship-based learning community (ELC) able to provide an experiential environment



What we are doing at UniMessina



#SmartME intends to integrate digital technology into learning and instruction to support innovation and new sustainable business models on ICT industries.

#SmartME includes three steps:

- Building a sustainable ecosystem
- Providing a digital platform
- Shaping a learning community

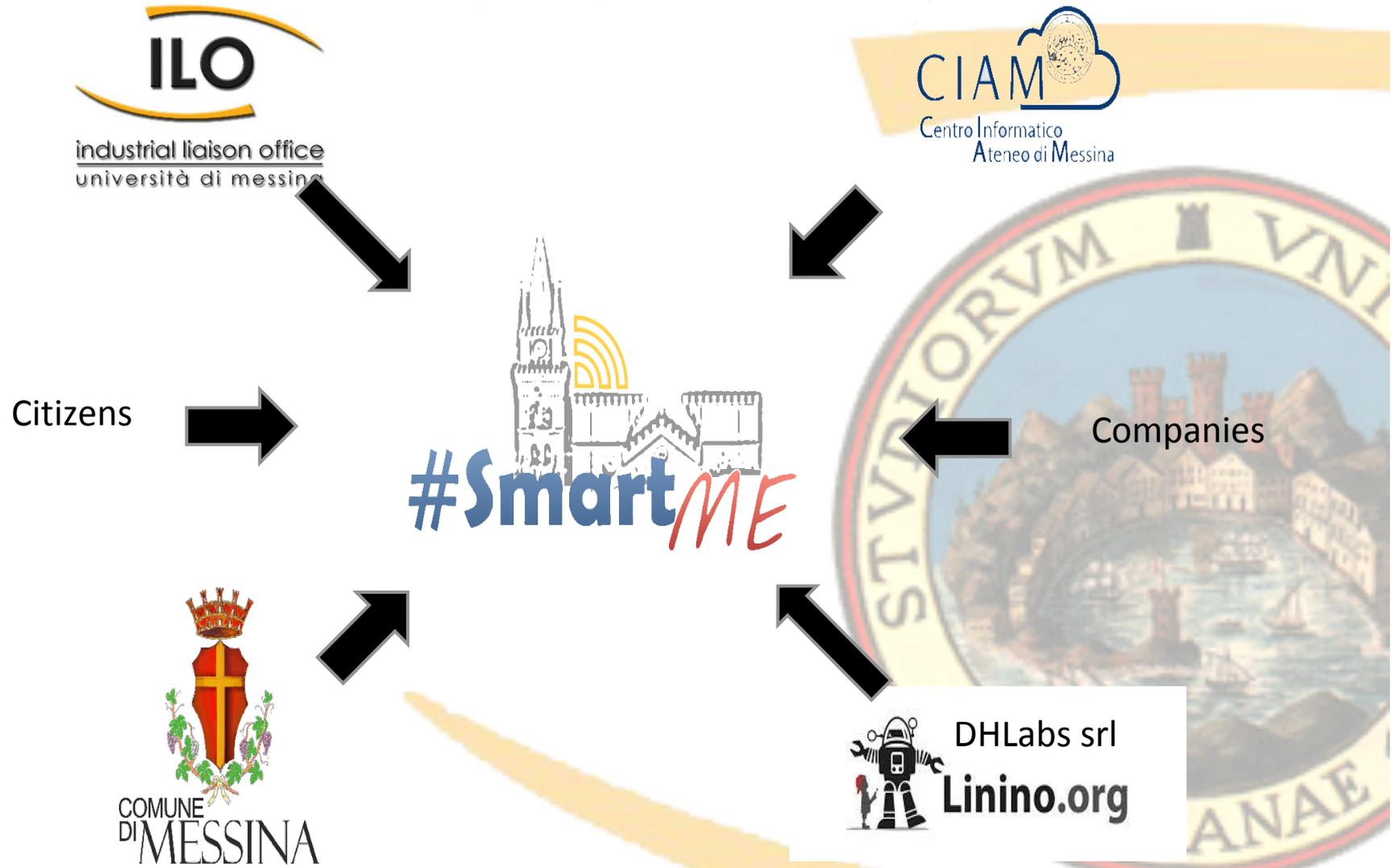


How?

- We uploaded the project at Eppela, an Italian crowdfunding website
 - <https://www.eppela.com/it/projects/5787-smartme-la-messina-del-futuro?t=rewards>
- We doubled our goal
- 84 donors (more than 20 companies) => **our community**



1° Building a Smart Ecosystem...



2° Digital platform

<http://smartme.unime.it>

#SmartME it all starts here

#SmartME

Innovatively making the city of Messina "smart".

Credits

- University of Messina
- CIAM
- DhLabs
- MDSLAB

Location

Messina - Sicily, Italy

Skills

- Open Data
- Smart City
- Arduino
- Sensors
- Internet of Things (IoT)

The Project

The **#SmartME project** is a crowd-funded project born from a wish of a team of researchers in the Mobile and Distributed Systems Lab (MDSLAB) at the University of Messina. Its aim is to encourage a conversation with the municipality of Messina in order to spur the creation of a novel virtual ecosystem based upon the paradigm of the **Internet of Things (IoT)**.

To morph Messina into a smart city, an Open Data platform has been set up through the employment of low-cost microcontroller boards equipped with sensors and actuators and installed on buses, lamp posts, and buildings of local institutions, all over the urban area. Thanks to such infrastructure, it is now possible to collect data and information for designing advanced services for citizens.

Latest News

- March 17, 2016**
Deployment [Read more](#)
- April 28, 2015**
Deployment [Read more](#)

First working meeting.

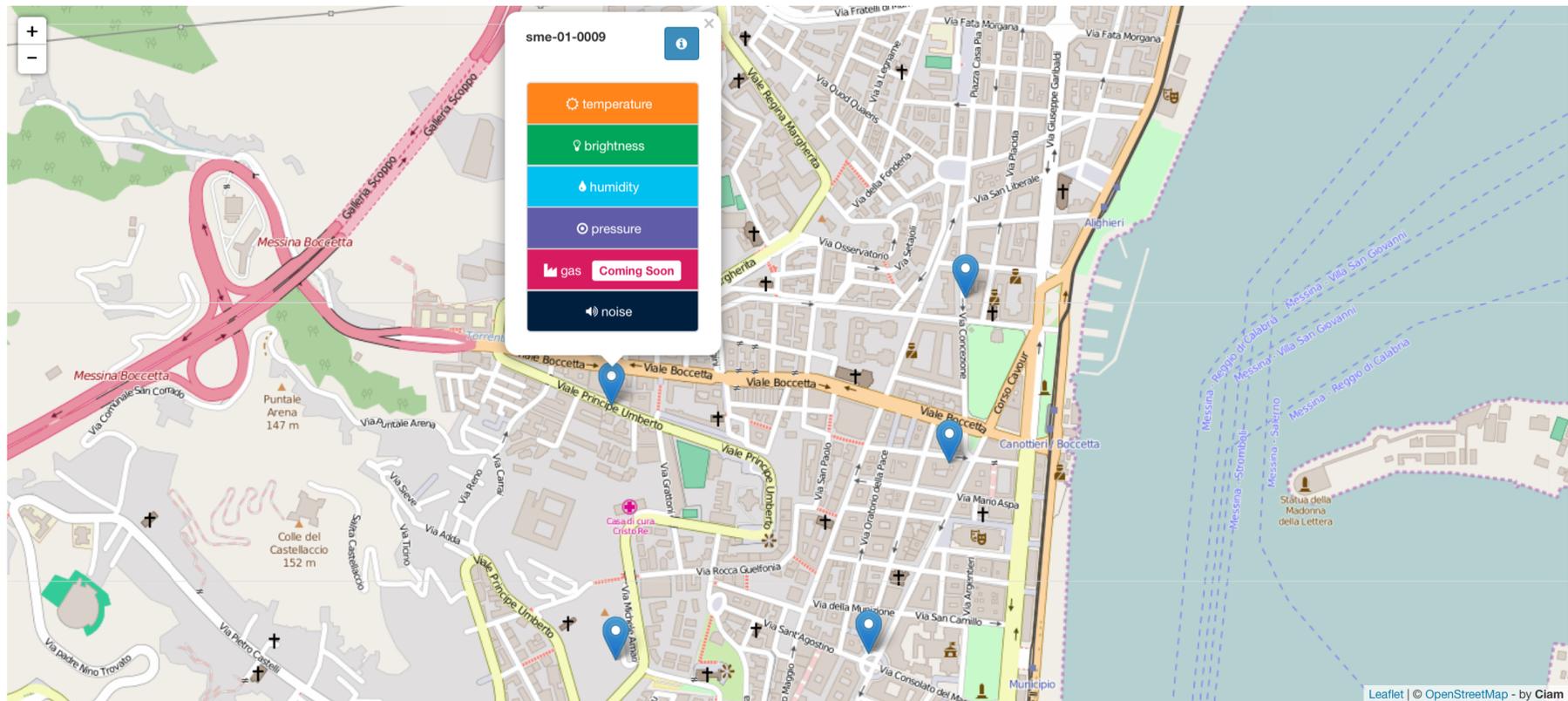
The Map

Map of Messina, Sicily, showing the city's layout and various sensor locations marked with colored dots.



2° <http://smartme.unime.it>

The Map



2° Air pollution Monitor



The Arduino Yún (Release 5) is a board based on the ATmega32u4 microcontroller and the Athertos AR9331 processor.



2° City Mobility and Parking

WhereBus
GPS Tracking System

ATM
Azienda Trasporti Messina

Home Mappe Report Amministrazione Logout

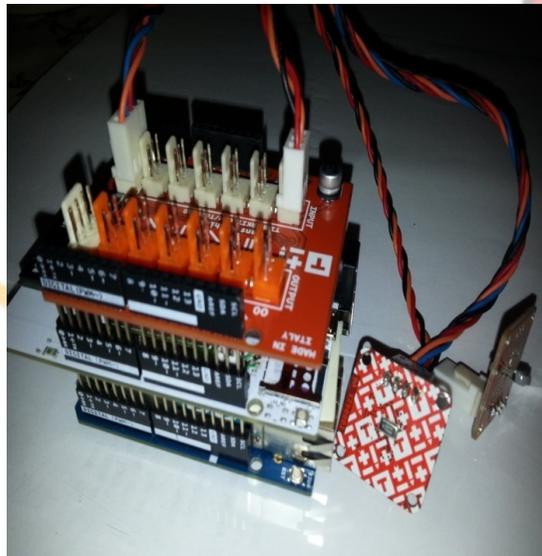
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WIRELESS AND
RFID
LABORATORY

Pagina principale Modifica Dati Personali

Portale per il controllo delle attività

ATM
Azienda Trasporti Messina



CIAM

Datasets Organizations Groups About

/ Datasets / testATM / coordinates

coordinates

URL: /dataset/testATM/coordinates

Data Explorer

Add Filter

Grid Graph Map 476 records 1 - 476

epsc: nuff
epsc: nuff
epsc: nuff
time: 2015-10-27T15:53:41
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speed: 12.707
dist: 0.1

Latitude / Longitude fields
GeoJSON field
Latitude field
Longitude field
lon

Additional Information

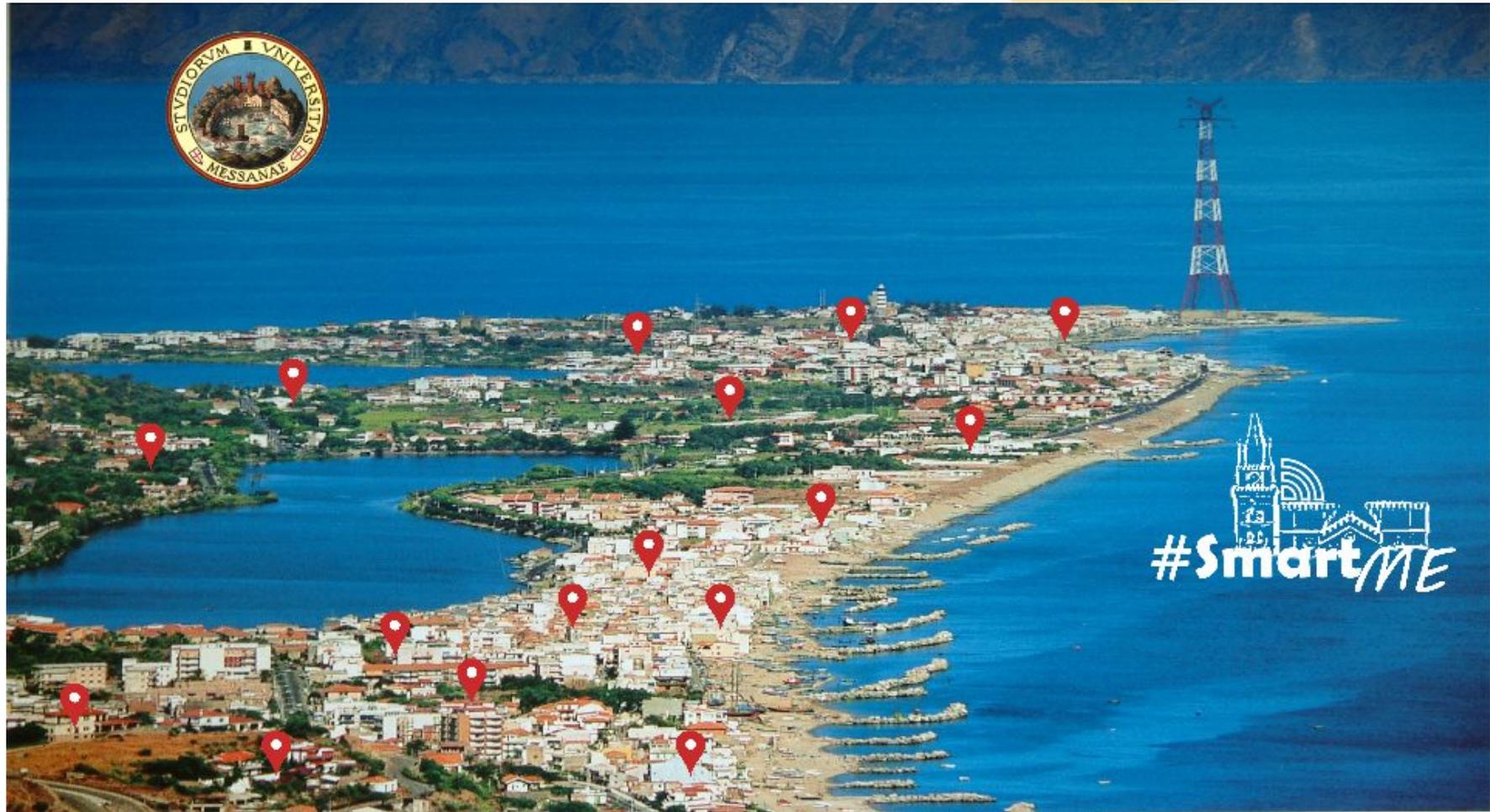
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License	No License Provided

About SmartME-data
CKAN API
Open Knowledge Foundation

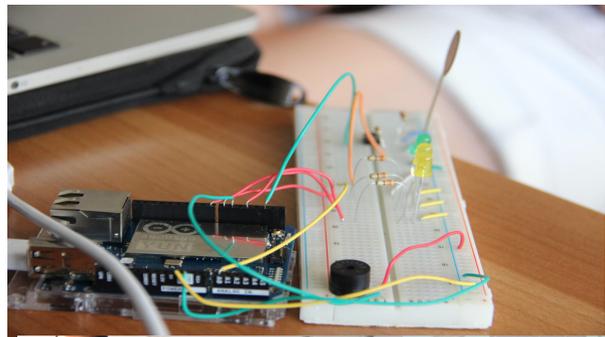
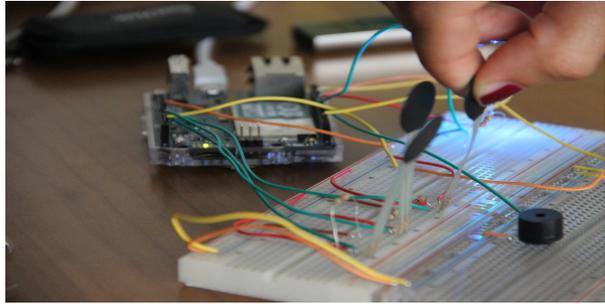
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ckan
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2° City Touristic Point



STEP 3°: Entrepreneurship community



STEP 4°: Entrepreneurship community in Mediterranean Area



Questions (Issues) Covered in this presentation?

- What is the nature of the relationship between universities and their communities?
- How is technology transfer related to the innovation and growth performance of a specific region or country?
- How university governance may be crucial to the emergence of entrepreneurial and sustainable ecosystem in specific regions?





“Linking Big Data, Entrepreneurship and Education!”

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