

La ricerca come volano di sviluppo per il territorio



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DI PALERMO

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La ricerca come volano di sviluppo per
il territorio



L'Università come volano di sviluppo
per il territorio



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- La didattica
- La terza missione
- La ricerca



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La didattica



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- Le sedi decentrate
- Formazione legata agli asset di crescita del territorio
- Internazionalizzazione



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International activities

28

Double/joint degree international programs

7

International Phd courses

269

Erasmus agreements

130

Single courses in English

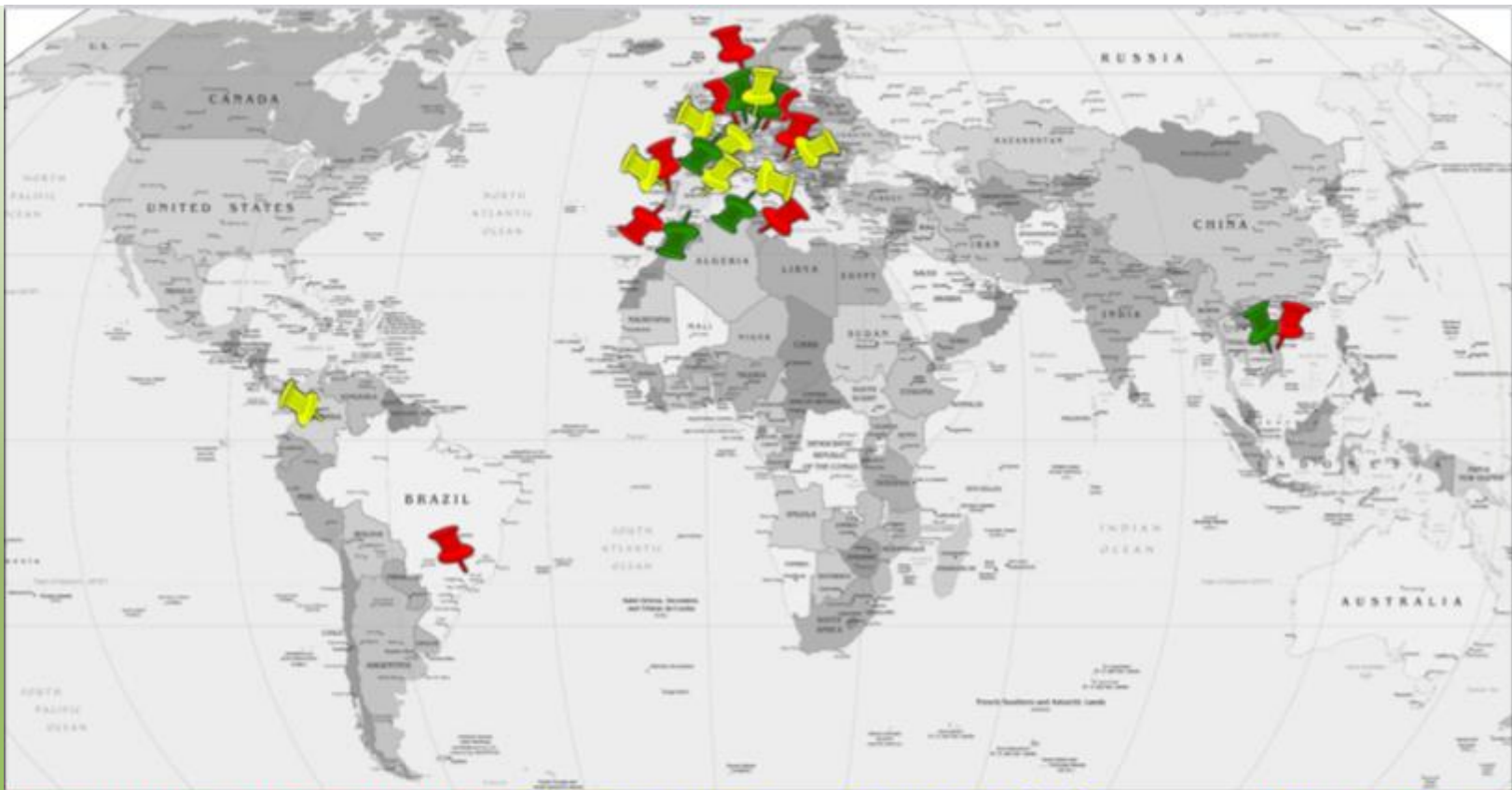
3

Study courses totally given in English



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International cooperations



Norvegia – <u>Bergen</u> LM-63	Portogallo – <u>Lisbona</u> LM-63	Germania – <u>Bremen</u> LM-37	Germania – <u>Karlsruhe</u> LM-37	Francia – <u>Marne La Vallee</u> LM-32	Germania – <u>Erlangen</u> L-9
Portogallo – <u>Porto</u> LM-37	Germania – <u>Bremen</u> LM-37	Francia – <u>Artois</u> LM-32	Germania – <u>Göttingen</u> LM-2	Portogallo – <u>Lisbona</u> LM-31	Hanoi – <u>Vietnam</u> LM-63
Paesi Bassi – <u>Nijmegen</u> LM-63	Brasile – <u>Ouro Preto</u> LM-28, LM-25, LM-31, LM-33	Slovenia – <u>Lubiana</u> LM-37	Francia – <u>Paris-Sorbonne</u> LM-45	Spagna – <u>Valencia</u> LM-38, LM-52	Francia – <u>Corsica</u> LM-84
Slovenia – <u>Lubiana</u> LM-37	Vietnam – <u>Hanoi</u> L-11, L-12 e LM-28	Tunisia LM-81 e LM-92	Bolivar – <u>Colombia</u> LM-82	Francia – <u>Nizza</u> LM-38	Germania <u>Bonn-Rheine-Siegen</u> LM-6



International students

Dipartimento di Scienze Umanistiche



Scuola di Lingua italiana per Stranieri

Italian Language School for Foreigners has been set up in 2008 to promote education, training, research and professional activities connected to teaching Italian as a second language.

As a matter of fact, in the past years, ITASTRA field of action has been widened and consolidated, achieving significant results in UNIPA internationalization process:

- assisting ERASMUS students, regularly enrolled students from other nationalities, PhDs, visiting scholars and visiting professors
- studying the complex world of migrations
- contributing to the cultural dimension of international touristic flows.



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International students

Summer and Winter Schools

Social inclusion policies

Editorial series to divulgate Italian authors abroad

Master courses

Linguistic and cultural integration projects with the schools

Odisseo Arriving Alone: story-telling lab for unaccompanied migrants under 18

Bilateral international mobility projects (Sichuan International Studies University-China)



La terza missione



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Il sistema museale di Ateneo

I MUSEI



LE COLLEZIONI



Il sistema museale di Ateneo

I SITI



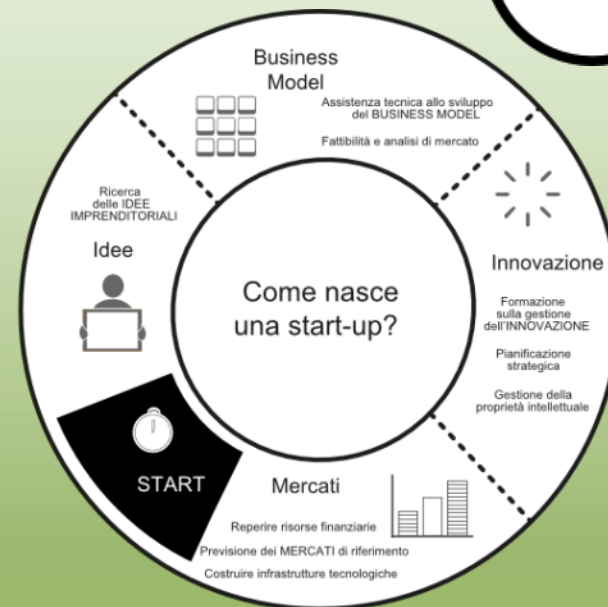
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ARCA: University Business Incubator



Start-up and incubation

- Located inside the University campus
- Surface: 1.500m²
- 14 offices for start-up companies
- Public areas for meetings and educational activities
- Organization of entrepreneurial education course
- Mentoring, feasibility check, business modelling, marketing, development planning

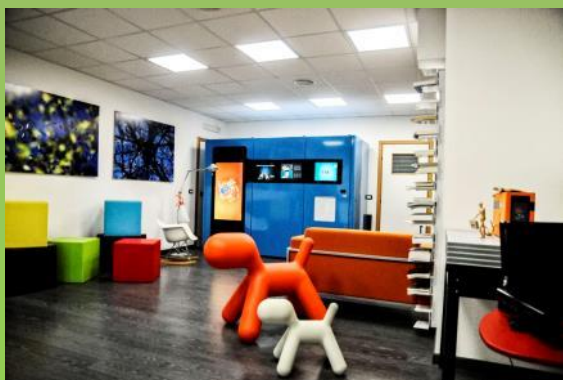


oltre
400
idee preliminari

oltre
90
idee selezionate

oltre
40
nuove imprese

più di
150
nuovi posti di lavoro



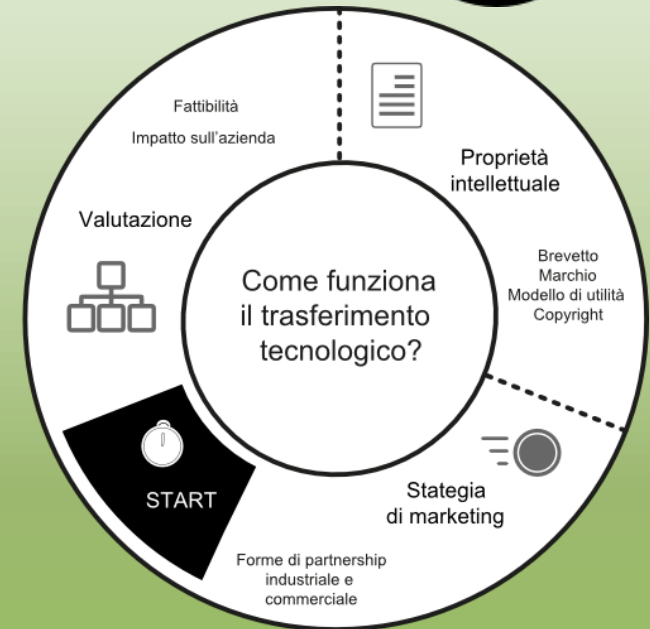
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ARCA: University Business Incubator



Technology transfer

- Labs for product development (simulation, 3d printing, measurement, CAM, electronics)
- Fabbrica – a workshop for rapid prototyping
- An open air solar lab
- Consultancy for technical feasibility, intellectual property management, innovation demand and offer matchmaking and partner search



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STARTCUP PALERMO 2016

START CUP PALERMO is a business plan competition, promoted by the University of Palermo with the organizational support of ARCA Consortium and SINTESI, among groups of people who work out innovative entrepreneurial ideas based on scientific research. It has been started up 12 years ago. It awards money prizes to the best business ideas expressed in the form of a business plan. The aim is to support research and technological innovation geared towards economic development in Sicily, by spreading business culture throughout the Region, especially in the academic sectors traditionally distant from the world of business. SCP belongs to the PNI (National Innovation Prize) network.



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THE INDUSTRIAL LIAISON OFFICE

The industrial Liaison Office

- looks after and promotes university applied research in collaboration with local companies
- encourages the fulfilment of training periods and internships
- governs the request for and achievement of patents
- regulates the establishment of spin-offs

69 national
licences and 21
international
licences

15 spin-offs

4.675
agreements

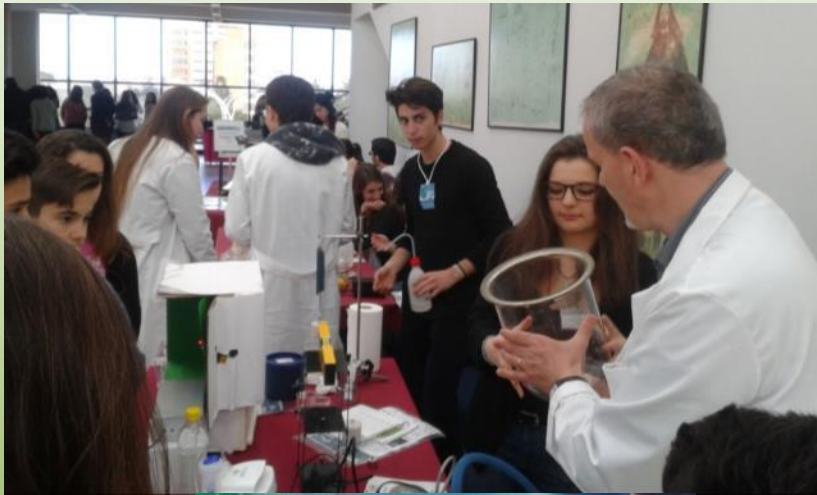


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- Trial clinici
- Centri di Ricerca Clinica e Bio-Banche
- Attività di educazione continua in Medicina (ECM)



ESPERIENZA INSEGNA



How to divulgate research results in a non-technical language and out of a formal learning environment to schools and citizens

How to overcome the distance between science and local communities

Students are involved together with researchers in a peer-to-peer relationship to build up and explain their scientific exhibits



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FESTIVAL DELL'INGEGNO

Joint initiative of the University of Palermo and the Municipality of Palermo, Town Council for Productive Activities, in collaboration with companies



A valuable chance for all talented people who want to convey innovative ideas into useful solutions for the urban environment to improve quality of life

company stands

contest of ideas

workshops



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RESEARCHERS' NIGHT

Sharper - Sharing researchers' passion for engagement and responsibility



On 30 September 2016 more than 100 researchers transformed the historical centre of Palermo in an open air lab with shows, urban games, guided visits and exhibitions until midnight. Objective: to outline the relevance of research for development and growth





- 92 places in the city open to citizens
- 120.000 views of the promotional video
- 400 students guiding visitors to know our cultural heritage
- 120 walks under the guide of scientists, historians, journalists
- 65 activities for children
- 50 partners including associations, institutions, companies



Univercittà aims at breaking down barriers in order to be a crucial part of the territory to which the University belongs: The University is a protagonist of the civil society, a training ground where to discuss and debate, open to innovation and international relations, projecting into the future with the strength of more than two hundred years of life

Palermo città universitaria:
210 Eventi per 210 Anni



In 2016 UNIPA will celebrate its 210 years and will organize 210 events over the year through a Call for expressions of interest



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La ricerca



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ATeN-Advanced Technologies Network Center

An excellence infrastructure which can provide high quality scientific services to the public and private sector.

Biologists, Biotechnologists, Chemists, Physicists, Engineers, Doctors and IT experts, work together to generate new technology-relevant knowledge and competitive scientific products for the national and international market. They work on the whole value chain from synthesis of materials till in-vivo testing.

ATeN acts as catalyzer of design and technology transfer activities out of the boundaries of the research labs and of the Sicilian territories, attracting researches from abroad making available to them advanced tools and facilities and competences with competitive costs.

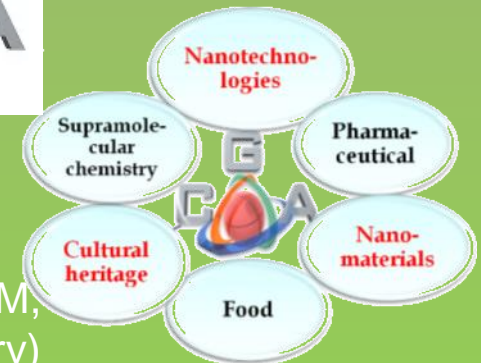


Mediterranean Centre of
Advanced Biotechnologies for
Human Health

12 laboratories – 100
scientific instruments



Large
Infrastructures
Centre
(NMR, SAXS, TEM,
Mass Spectrometry)



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TECHNOLOGICAL DISTRICTS

1. Agro-food;
2. Micro & Nano Systems;
3. NAVTEC
4. Cultural Heritage
5. Biomedicine
6. Advanced Manufacturing



DISTRETTO TECNOLOGICO
SICILIA MICRO E NANO SISTEMI
S.C.A.R.L.



Si-Lab
Sicilia
Service Innovation Lab

USER-DRIVEN ICT-BASED SERVICE INNOVATION



Navtec
Distretto Tecnologico
Trasporti Navali



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agrobiopesca
DISTRETTO TECNOLOGICO

International networks



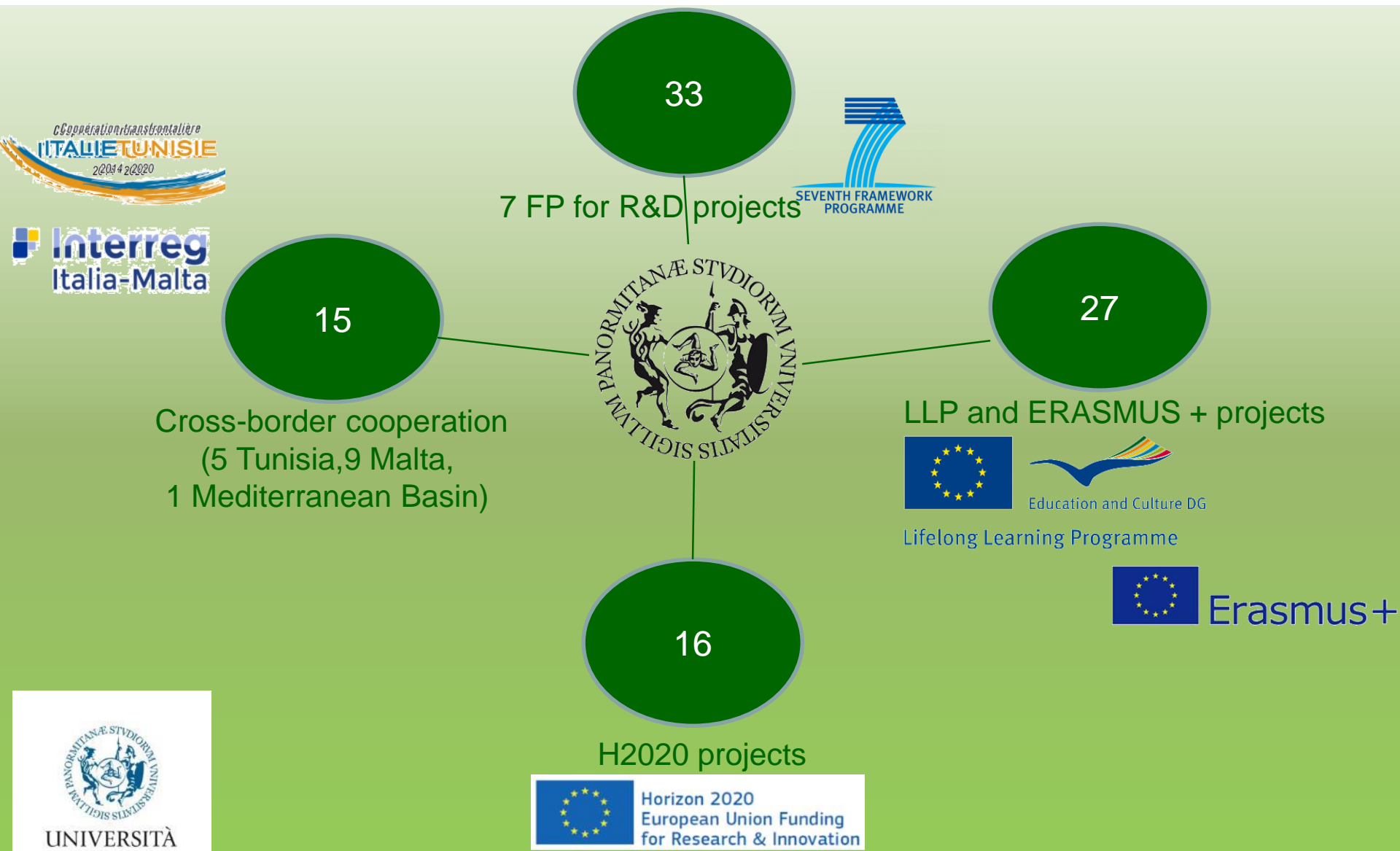
**RÉSEAU D'EXCELLENCE
DES TERRITOIRES INSULAIRES**



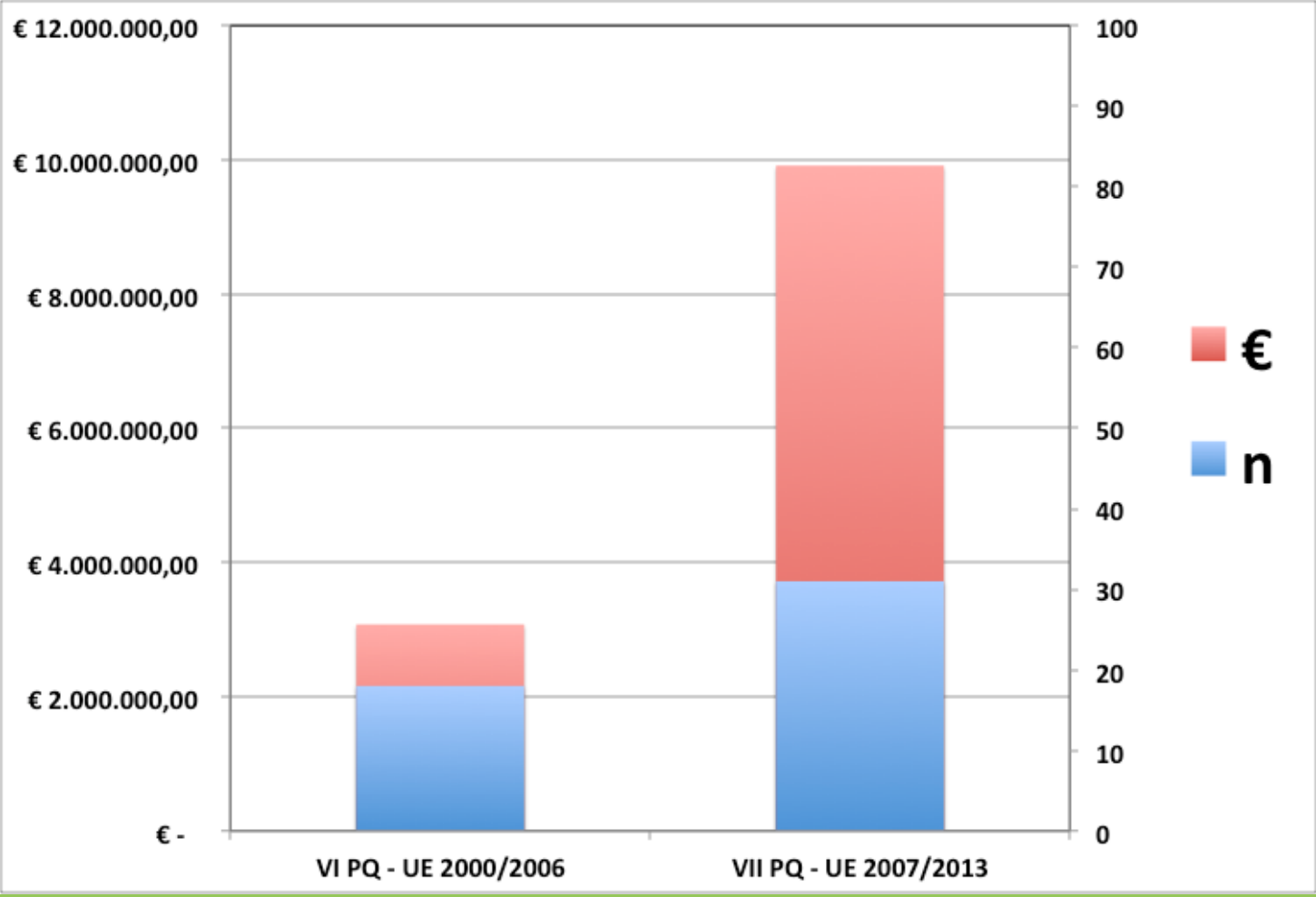
**ITALIAN CENTRAL-AMERICA UNIVERSITY
REGIONAL NETWORK
FOR NATURAL HAZARDS ASSESSMENT**



International networks



International networks – FP6 vs. FP7



Progetti di ricerca – Programmazione 2007-13

PON Ricerca e Competitività 2007/2013

AVVISO	ASSE DI FINANZIAMENTO	N. PROGETTI FINANZIATI	FINANZIAMENTO APPROVATO
Avviso D.D. n. 1/Ric del 18/01/2010	Asse I - Progetti Industriali - obiettivo operativo 4.1.1.1	18	22.324.368,40
Avviso D.D. n.713/Ric del 29/10/2010 "Distretti ad Alta Tecnologia e Laboratori Pubblico-Privati e relative reti"	Asse I - Distretti Titoli II - obiettivo operativo 4.1.1.3	12	13.186.763,05
Avviso D.D. 254/Ric. del 18/05/2011 "Progetti per il Potenziamento Strutturale "	Asse I - Obiettivo Op. 4.1.1.4.	2	27.909.709,00
Avviso D.D. N. 84/Ric del 02/03/2012	Asse II - SMART CITIES	3	7.258.306,95
	TOTALE	35	€ 70.679.147,40



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*Ministero dell'Istruzione
dell'Università e della Ricerca*



*Ministero dello
Sviluppo Economico*

Progetti di ricerca – Programmazione 2007-13

PAC Piano di Azione e Coesione 2007/2013

finanziamenti nel periodo 2010-2014 € **2.655.631,50**

totale **n. 7** progetti (nr.1 Potenziamento infrastrutture di ricerca – nr.2 Big Data – nr. 4 Cultura ad Impatto Aumentato)

MIUR - AVVISO PER LA PRESENTAZIONE DI IDEE PROGETTUALI PER SMART CITIES AND COMMUNITIES AND SOCIAL INNOVATION

finanziamenti nel periodo 2010-2014 € **1.114.222,00**

totale **n. 2** progetti (ADAPT – WATERTECH)

fondi FAR dm 593/2000 -**n. 1** progetto € **1.826.247,08**

MIUR - MESSAGGERI DELLA CONOSCENZA

finanziamenti € **883.316**

totale nr. **22** progetti



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*Ministero dello
Sviluppo Economico*

Progetti di ricerca – Programmazione 2007-13

P.O. FESR Regione Siciliana Asse 4 2007/2013

ASSE 4 - “DIFFUSIONE DELLA RICERCA, INNOVAZIONE E SOCIETÀ DELL'INFORMAZIONE

n. **45** progetti finanziati - importo complessivo € **27.824.967,04**

PSR (Piano di Sviluppo Rurale) Regione Siciliana 2007/2013

n. **10** progetti finanziati - importo complessivo € **3.268.683,20**

P.O. FSE Regione Siciliana Asse 4 2007/2013

n. **3** progetti finanziati - importo complessivo € **1.861.458,00**

“Produrre Sociale per fare comunità”

“Tecniche artistiche dell'Oreficeria siciliana”

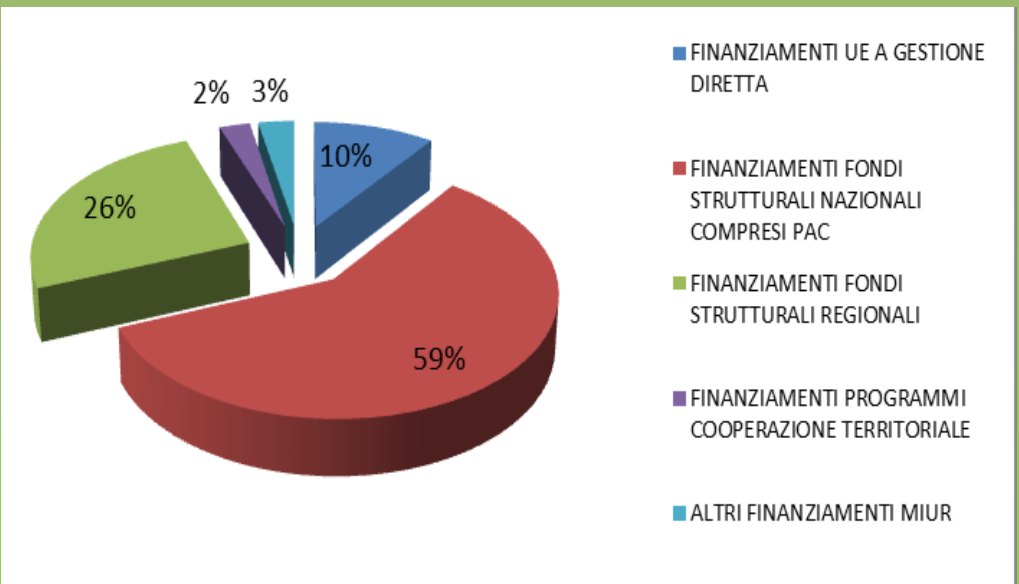
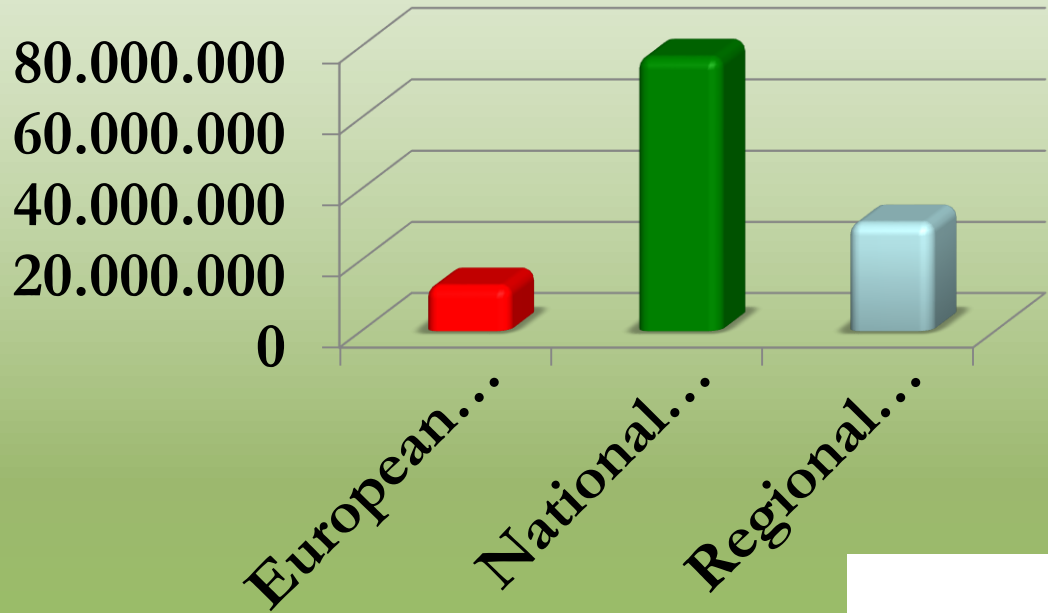
“Generazione In-dipendente”



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Progetti di ricerca – Programmazione 2007-13



Conclusioni

- ❑ La didattica è volano per lo sviluppo del territorio? **SI!**
- ❑ La terza missione è volano per lo sviluppo del territorio? **SI!**
- ❑ La ricerca è volano per lo sviluppo del territorio? ...
 - **Il tessuto imprenditoriale non è generato dal sistema universitario.**
 - **Manca una sistematica valutazione ex-post dell'impatto dei fondi di ricerca sul territorio.**
 - **Manca una sinergia efficace tra sistema della formazione universitaria e gestione politica del territorio.**

