



UNIVERSITÀ DEGLI STUDI
DELLA BASILICATA



ELARCH - Euro - Latin America partnership in natural Risk mitigation and protection of the Cultural Heritage

KICK-OFF MEETING

MATERA 10-11-12 NOVEMBER 2014



Erasmus
Mundus

www.elarch.org

PROJECT COORDINATOR: Prof. Michelangelo LATERZA

**ERASMUS MUNDUS MOBILITY ACTION
FOR STUDENTS AND STAFF 2014-2018**

Mexico
Costa Rica
Panama
Ecuador
Cuba
Colombia
Venezuela
Perù
Brazil
Bolivia
Paraguay
Chile
Uruguay
Argentina

LATIN AMERICA

PROJECT FOUNDED BY EUROPEAN COMMISSION

EUROPE

Portugal
Spain
Slovenia
Italy
Greece

36 EU to LA

83 LA to EU

elarch

euro-latin america partnership in natural risk mitigation and protection of the cultural heritage



ELARCH - ERASMUS MUNDUS

Euro LA partnership in natural Risk mitigation and protection of the Cultural Heritage



Prof. Michele D'Amato

*Department of European and Mediterranean Cultures:
Architecture, Environment, Cultural Heritages (DiCEM) - University of
Basilicata, Matera*





elarch is an Erasmus Mundus Action 2 (Strand I) project

Call EACEA/18/13

150 proposals eligible
135 were eligible
under Strand I

27 proposals
selected under
Strand I

3 proposals
selected in the
geographic lot 7
“Latin America”



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ELARCH MAIN SPECIFIC OBJECTIVES

- Establish higher education cooperation among EU LA institutions
- Strengthen professional curricula in global disaster reduction issues
- Scientific Coordination Framework (eg. Common Risk Analysis Methodology)



ELARCH PARTNERSHIP



9 Universities from EU

Italy

University of Basilicata (UniBas)
University of Rome Sapienza (UniRoma1)
University of Chieti-Pescara (Unich)

Greece

National Technical University of Athens (NTUA)

Portugal

University of Minho (Uminho)
University of Aveiro (Ua)

Slovenia:

University of Ljubljana (Uni-lj)

Spain

Polytechnic University of Madrid (UPM)
Polytechnic University of Catalonia (UPC)



11 Universities from LA

Colombia

Universidad of Cartagena de Indias
Universidad del Magdalena
Universidad de Narino

Bolivia

Universidad Catolica Boliviana San Pablo

Brazil

Universidad Federal de Santa Catarina (UFSC)

Cuba

Universidad de Oriente, Santiago

Chile

Universidad de Concepcion

Ecuador

Universidad San Gregorio de Porto Vejo

Mexico

Universidad Michocana S. Nicola Hidalgo

Paraguay

Universidad Nacional de Itapua

Perù

Pontificia Universidad Catolica del Perú (PUCP)



ELARCH PARTNERSHIP



HIGHER EDUCATION INSTITUTIONS (HEIS)

		University	Country	Contact
EU	1	Univ. of Basilicata (Coordinator)	Italy	M. Laterza
	2	Univ. Cartagena de Indias (Joint Coordinator)	Colombia	J.L. Alvarez Carrascal
	3	Univ. of Rome Sapienza	Italy	R. Gigliotti
	4	Univ. of Chieti-Pescara	Italy	E. Spacone
	5	Univ. of Ljubljana	Slovenia	R. Zarnic
	6	Univ. of Minho	Portugal	P. Lourenco
	7	Univ. Poli. Madrid	Spain	J. Mosteiro
	8	UPC Barcelona	Spain	P. Roca
	9	NTU Athens	Greece	E. Vintzileou
	10	Univ. of Aveiro	Portugal	H. Varum
LATIN AMERICA	11	Univ. Catolica Boliviana S. Pablo	Bolivia	P. Zapata
	12	Pontificia Univ. Cattolica del Perú	Peru	J. Canziani
	13	Univ. S. Gregorio de Porto Viejo	Ecuador	K. Astudillo
	14	National Univ. of Itapua	Paraguay	H. Gonzalez Irala
	15	Univ. Michoacana S. Nicola Hidalgo	Mexico	G. Martinez
	16	Univ. of Magdalena	Colombia	C. Vargas
	17	Univ. of Concepcion	Chile	O. Link
	18	Univ. of Oriente, Santiago	Cuba	L. Villafruela Loperena
	19	Univ. Federal de Santa Catarina	Brazil	Luis Gomez
	20	Univ. of Nariño	Colombia	M. Caicedo



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ELARCH PARTNERSHIP

NGOs, Government, Other Universities, ...

ASSOCIATE PARTNERS	21	Global Risk Forum, GRF Davos	Switzerland	W. Ammann
	22	Fondazione Città della Pace Basilicata	Italy	V. Giambersio
	23	Fondazione Zetema Matera	Italy	R. De Ruggieri
	24	ANIDIS (Italian Association of Earthquake Engineering)	Italy	F. Braga
	25	GeoHazards International	USA	J. Rodgers
	26	Rotary International District 4271 Colombia	Colombia	G. Maldonado
	27	CNR IBAM (Inst. Of Cult Heritage and Monuments)	Italy	N. Masini
	28	Committee for Matera EU Capital of Culture 2019	Italy	R. Tarantino
	29	Univ. of California San Diego CISA3	USA	Falko Kuester
	30	Bene Construire Ltd.	Croatia	V. Rajcic
	31	Universidad Nacional Autonoma de Mexico - UNAM	Mexico	Fernando Peña
	32	Universidad de Veracruz	Mexico	Dolores Pineda
	33	Pontificia Univ. Catolica de Chile	Chile	C. Sandoval
	34	Universidad de Salta	Argentina	Susana Gea
	35	Universidad Industrial de Santander	Colombia	A. V. Jaimes
	36	Instituto Patrimonio Cultura Cartagena de Indias	Colombia	A. Cabrera
	37	UNESCO – ORSALC Observatory	Paraguay	H. Grimaldo Duran
	38	Rotary International District 2080 Lazio-Sardegna	Italy	Marco Faggella



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1 COMMON RESEARCH PROJECT

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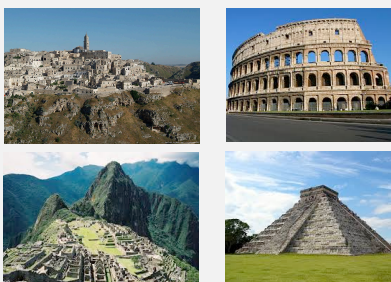
euro-latin america partnership in natural risk mitigation and protection of the
cultural heritage



Scientific and Policy Framework

Sharing best practices

Case studies



SUBJECT: CULTURAL HERITAGE

Historical Centers
Monuments inside Historical Centers
Monuments outside Historical Centers
Archeological Sites (Necropolis)

FINAL OBJECTIVE

Knowledge
Conservation
Restoration
Reuse

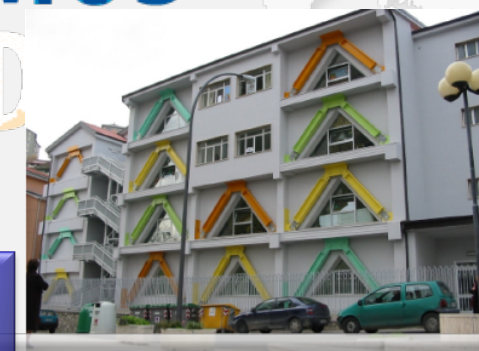
EDUCATION

SCIENCE

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POLICY

Earthquake
Building Codes
and design guidelines



Construction and
design Industry

Civil Society



TOOLS FOR PROJECT MANAGEMENT

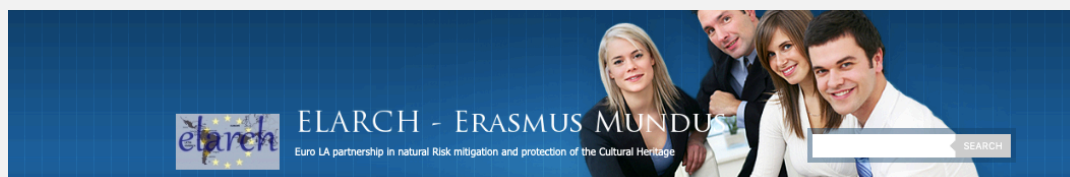
- **Meetings** (kick-off, selection, evaluation etc.) → **MEETINGS ARE CRUCIAL TO KNOW PEOPLE AND TO BUILD MUTUAL TRUST**
- **Formal agreement** (MoU) → the MoU goes beyond the commitment of individuals working on the project by engaging the Institutions
- **Regular communication** (via email, skype calls, www.elarch.org, facebook page)



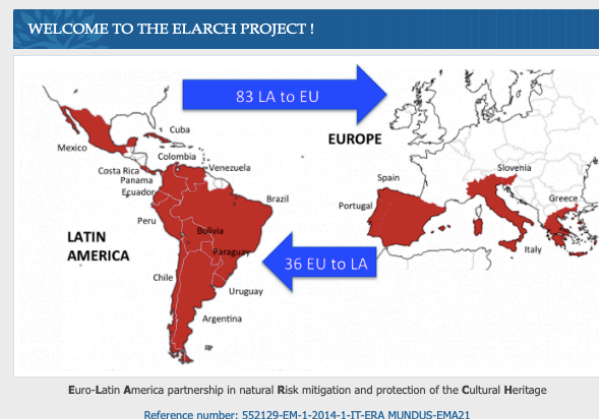
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TOOLS FOR PROJECT MANAGEMENT



Website for managing also the call for applications and the related submissions: www.elarch.org



ELARCH - Call 3 - SECOND SPECIAL SESSION

ELARCH - Euro-Latin America partnership in natural Risk mitigation and protection of the Cultural Heritage
(Project funded by the European Union within the framework of the Erasmus Mundus - Action 2 - Strand 1 - Programme)

ELARCH - CALL FOR APPLICATION
CALL 3 - SPECIAL SESSION (Doctorate, Post-Doctorate)
Deadline for application: DEADLINE JULY 31, 2017 (in 24,00 UTC)

BEFORE THE SUBMISSION, FOR ALL DETAILS
DOWNLOAD THE CALL FOR APPLICATION

APPLICATION FOR MOBILITY
FROM EUROPE TO LATIN AMERICA

APPLICATION FOR MOBILITY
FROM LATIN AMERICA TO EUROPE

HOME

f Elarch Erasmus Mundus

Elarch Erasmus Mundus

Kick-off Meeting 10-11-12 Novembre 2014

Update Info 2 Activity Log

Timeline About Friends 701 Photos Archive More

Intro

Add a short bio to tell people more about yourself.
Add Bio

Studied at Università degli Studi della Basilicata

Lives in Matera, Italy

From Matera, Italy

Showcase what's important to you by adding

Create Post Photo/Video Live Video Life Event

What's on your mind?

Photo/Video Tag Friends Feeling/Activ... More

Posts

Manage Posts List View Grid View

Nicola Tarque
May 27

Feliz de anunciar otro producto de investigación PUCP (con Nicola Liauori)

Facebook page:
Elarch Erasmus Mundus



ELARCH AGENDA

- **24-26 September 2014** – Rome, Preliminary kick-off
- **10-12 October 2014** – Matera, Kick – off meeting
- **14 July 2014** - Start of the ELARCH Project
- **Deadline for starting mobility** students, PhD, Post-doc, staff:
 - 31/12/2015 (1 cohort)
 - 31/12/2016 (2 cohort)
 - 31/12/2017 (3 cohort)
- **14 July 2018 (extended to 14 July 2019)** - End of project
- **10-11 July 2019** - **Closure meeting**, Cartagena de Indias
- **14 September 2019** - Submission final report to EU





MEETINGS...

Preliminary Kick-off meeting



Kick-off meeting





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REPORTING TIMETABLE FOR EU

1st PROGRESS REPORT
(technical)

1 September 2015

2nd PROGRESS REPORT
(technical and financial)

29 February 2016

3rd PROGRESS REPORT
(technical and financial)

28 February 2017

FINAL REPORT

to be submitted within 2 months after end of eligibility period



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GOVERNANCE

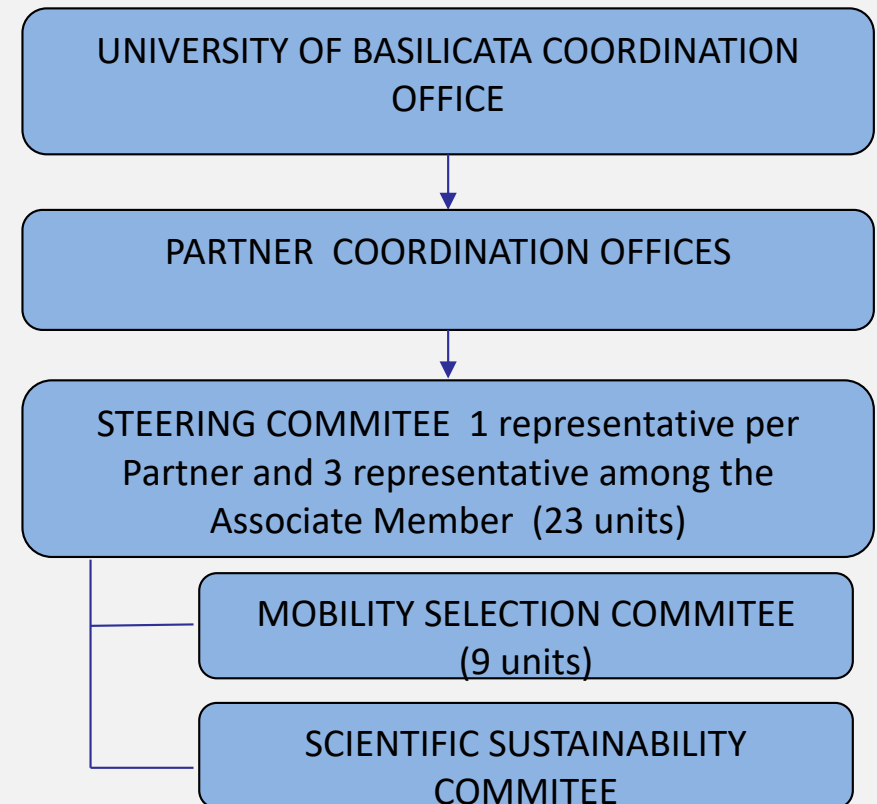
GOVERNANCE

Steering Committee (SC) and a management group with a leadership at the University of Basilicata in Matera.

Mobility Selection Committee (MSC), made of University coordinators and International Relations Offices representatives, and externally appointed independent members from third parties associate ORGs that will set the rules for visibility, applications, selections and social inclusion related to mobility.

Scientific Sustainability Committee (SSC) = Mobility Selection Committee (MSC).

Management group with an office based in Matera and one in Cartagena, and members in all partner institutions, with an appointed project manager, personnel of IROs, collaborators and academics.





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SELECTION COMMITTEE

The **Selection Committee** is composed of **9 representatives** chosen among the partner institutions (**3 EU and 3 non-EU**), Associate Partners (**1**) and by the **Coordinator** and the **Joint Coordinator**

The **Selection Committee** is chaired by the **Coordinator**



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SELECTION COMMITTEE

----- From EUROPE -----

Affiliation: Italy - University of Basilicata (coordinator)

referent: prof. Michelangelo Laterza

prof. Michele D'Amato

email: michelangelo.laterza@unibas.it

michele.damato@unibas.it

Affiliation: Greece - University of Athene

referent: prof. Ellisabeth Vintzilaïou

email: elvintz@central.ntua.gr

Affiliation: Spain - UPC Barcelona

referent: prof. Pedro Fabregat Roca

email: pere.roca.fabregat@upc.edu

Affiliation: Portugal - Univ. of Minho

referent: prof. Paulo Lourenco

email: pbl@civil.uminho.pt

Affiliation: Portugal - Univ. of Porto (Associate partner)

referent: prof. Humberto Varum

email: hvarum@fe.up.pt

----- From LATIN AMERICA -----

Affiliation: Colombia - Univ. Cartagena de Indias (joint coordinator)

referent: prof. Jorge Luis Alvarez Carrascal/ Walberto Rivera Martinez

email: jalvarezc@unicartagena.edu.co

Affiliation: Bolivia - Univ. Catolica Boliviana

referent: prof. Isabel Melina Balderrama Duran

email: i_balderrama_d@ucb.edu.bo

Affiliation: Chile - Univ. of Concepcion

referent: prof. Oscar Eduardo Link Lazo

email: olink@udec.cl

Affiliation: Perú - Pontificia Univ. Catolica del Perú

referent: prof. Sabino Nicola Tarque Ruiz

email: sntarque@pucp.edu.pe



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SELECTION PROCEDURES



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APPLICATIONS

- ✓ Online application, through an ad-hoc website accessible from elarch website (www.elarch.org)
- ✓ After registration, candidates will receive passwords to accede to the application form, where they will fill in personal data, select desired host institution and study programmes, submit the relevant motivation statements and upload supporting document
- ✓ Candidates will indicate the chosen host institution by expressing a maximum of 3 preferences
- ✓ In order to open the calls each partner has to provide an updated version of the academic offer available to candidates in all available fields of study at their own institutions

TYPE OF SCHOLARSHIPS

5 TYPES OF SCHOLARSHIPS

OF

Type of mobility	Distribution
Undergraduates	30-40 % of the total
Masters	25-35 % of the total
Doctorates	10-20 % of the total
Post-doctorate	5-15 % of the total
Staff	5-15 % of the total

GROUP A: Bolivia, Ecuador, Paraguay, Perú

GROUP B: Argentina, Brazil, Chile, Colombia, Costa Rica, Cuba, Mexico, Panama, Uruguay and Venezuela



TYPE OF SCHOLARSHIPS

3 TARGET GROUPS: TG₁, TG₂, TG₃

Distribution rules:

- **Target Group 1** mobility must represent at **least 50%** of the individual mobility covered by the project
- **Target Group 2** mobility must represent at **least 10%** of the individual mobility covered by the project
- **Target Group 3** mobility must represent at **least 20%** of the individual mobility from Latin American countries (group A and group B)

Mobility from **Group A** countries must represent **at least 50%** of the individual mobility from Latin American countries (group A + B)



Target Groups

TARGET GROUP 1



Enrolled in partner HEIs
Undergraduate, Masters, PhD, Post-doc, Staff

TARGET GROUP 2



Enrolled in other HEIs
Masters, PhD, Post-doc, Staff

TARGET GROUP 3



Vulnerable groups
Undergraduate, Masters, PhD, Post-doc



MOBILITY FLOW



ORGANIZATION OF MOBILITY - SELECTION



Check of
eligibility

1st

Academic
evaluation

2nd



ORGANIZATION OF MOBILITY - SELECTION

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Check of eligibility



**Evaluation of the technical components
(correct TG, correct application for each cycle, full
documentation present, reliability of documents etc.)**

TG1 → sending institution

**TG2 and TG3 → Coordinator for EU candidates and Joint
Coordinator for non-EU candidates**

**Candidates general eligibility criteria will be clearly published on
the website and based on the Erasmus Mundus Programme Guide**

ORGANIZATION OF MOBILITY - SELECTION



Academic evaluation

Pre-selection by the host institution on the basis of the candidates' study results in the relevant study areas, language skills, motivation, recommendations etc.

Pre-selection results will be forwarded to the Selection Committee → distribution of mobilities based on the respect of cross-cutting issues (gender balance, equal opportunities, participation of disadvantaged groups) and balance criteria





ORGANIZATION OF MOBILITY - SELECTION

Selection

- the Mobility Selection Committee prepares a final list of selected Candidates for all the mobilities assignment on the respect of gender balance, equal opportunities, participation of disadvantaged group and balance criteria + a reserve list + plus a list of rejected applications. The Coordinator notified the results to applicants concerned and to the host Institution.

AND THEN..... PRIOR THE MOBILITY ABROAD

- The beneficiary will contact the Coordinator to plan foreseen date of arrival > the Coordinator will inform the host institution > the Host institution send the invitation letter for obtaining visa
- The Coordinator reserves travel ticket for all the grantees + will start insurance procedures > the beneficiary will receive insurance policy via email



ERASMUS MUNDUS THE PROJECT ...

Grant Agreement number 2014 - 0873 / 001 - 001

MONO BENEFICIARY GRANT AGREEMENT FEBRUARY 2014



Education, Audiovisual and Culture Executive Agency

Erasmus+: Higher Education – Joint Master Degrees

GRANT AGREEMENT FOR AN ACTION

ACTION 2 - ERASMUS MUNDUS PARTNERSHIPS

Financing exclusively by lump sum contribution(s) and/or unit contribution(s)

AGREEMENT NUMBER – 2014 - 0873 / 001 - 001

The Education, Audiovisual and Culture Executive Agency (hereinafter referred to as "the Agency"), acting under powers delegated by the European Commission (hereinafter referred to as "the Commission"), represented for the purposes of signature of this Agreement by **Ms Mónica HOLIK**, Head of Unit for Erasmus+: Higher Education – Joint Master Degrees, on the one part,

and

UNIVERSITÀ DEGLI STUDI DELLA BASILICATA
VIA NAZARIO SAURO 85,

I - 85100 POTENZA

hereinafter referred to as "the beneficiary", represented for the purposes of signature of this Agreement by **Mauro Fiorentino** on the other part,

Whereas the Commission has taken a decision n° 1298/2008/EC of 16 December 2008 establishing the Erasmus Mundus 2009-2013 action programme, authorizing the use of lump sums with a unit value of EUR 25.000 or less to cover one or more different categories of eligible cost;

Mauro Fiorentino

Mónica HOLIK

[signature]
Done at Potenza
Date 29 LUG. 2014

[signature]
Done at Brussels
Date 14/08/2014

In duplicate in English

SUMMARY

Table 1: Table of expenditure

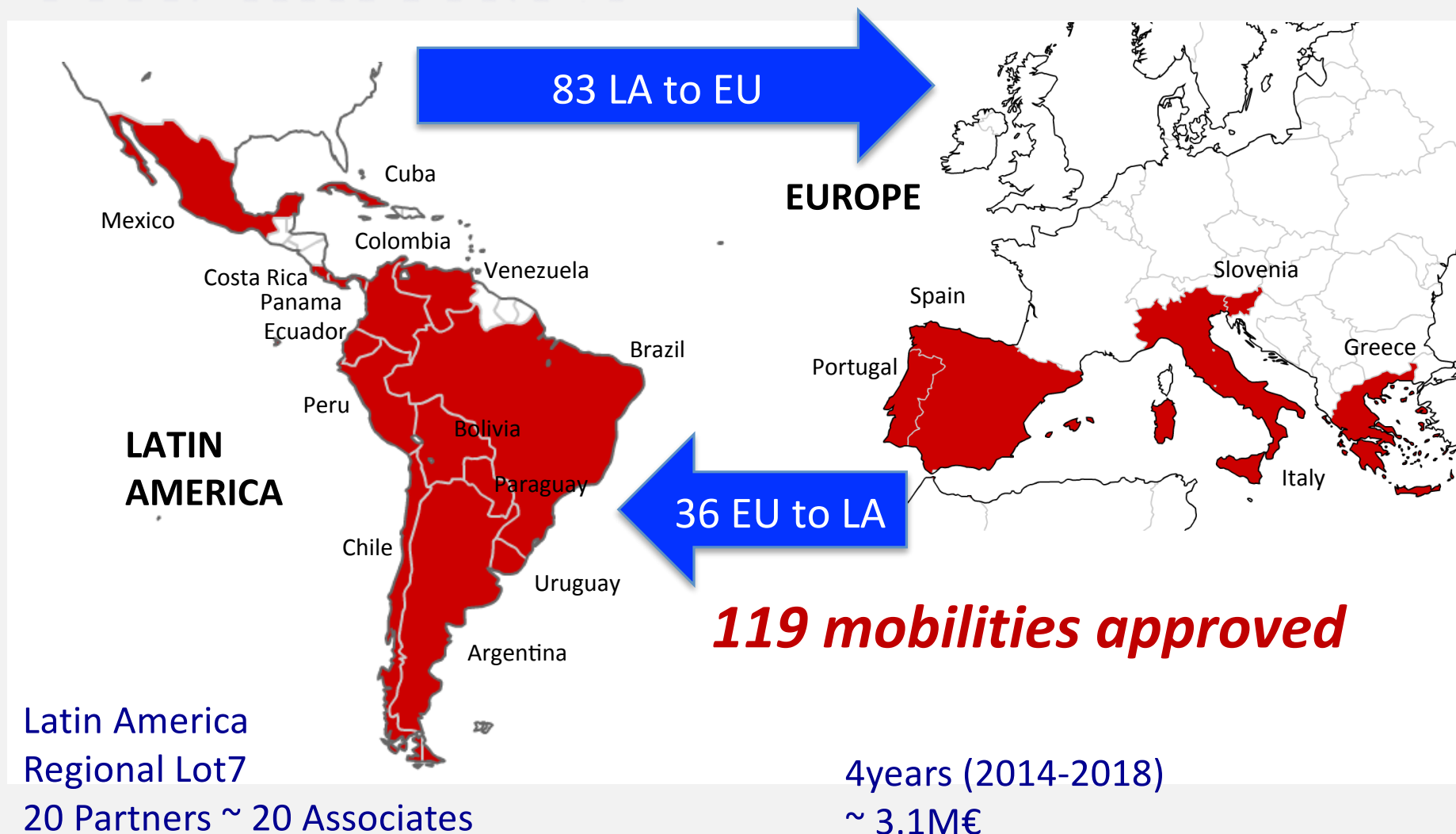
Type of costs	Approved estimated budget in EUR
1. Organisation of the mobility	200.000,00
2. Joint coordination (if applicable)	10.000,00
3. Individual Scholarships	2.950.250,00
3.1 Subsistence allowances	2.233.200,00
3.2 Travel costs	297.500,00
3.3 Participation costs	291.000,00
3.4 Insurance costs	128.550,00
TOTAL	3.160.250,00

Table 2: Table of sources of financing

Sources	Approved budget in EUR
Erasmus Mundus grant	3.160.250,00



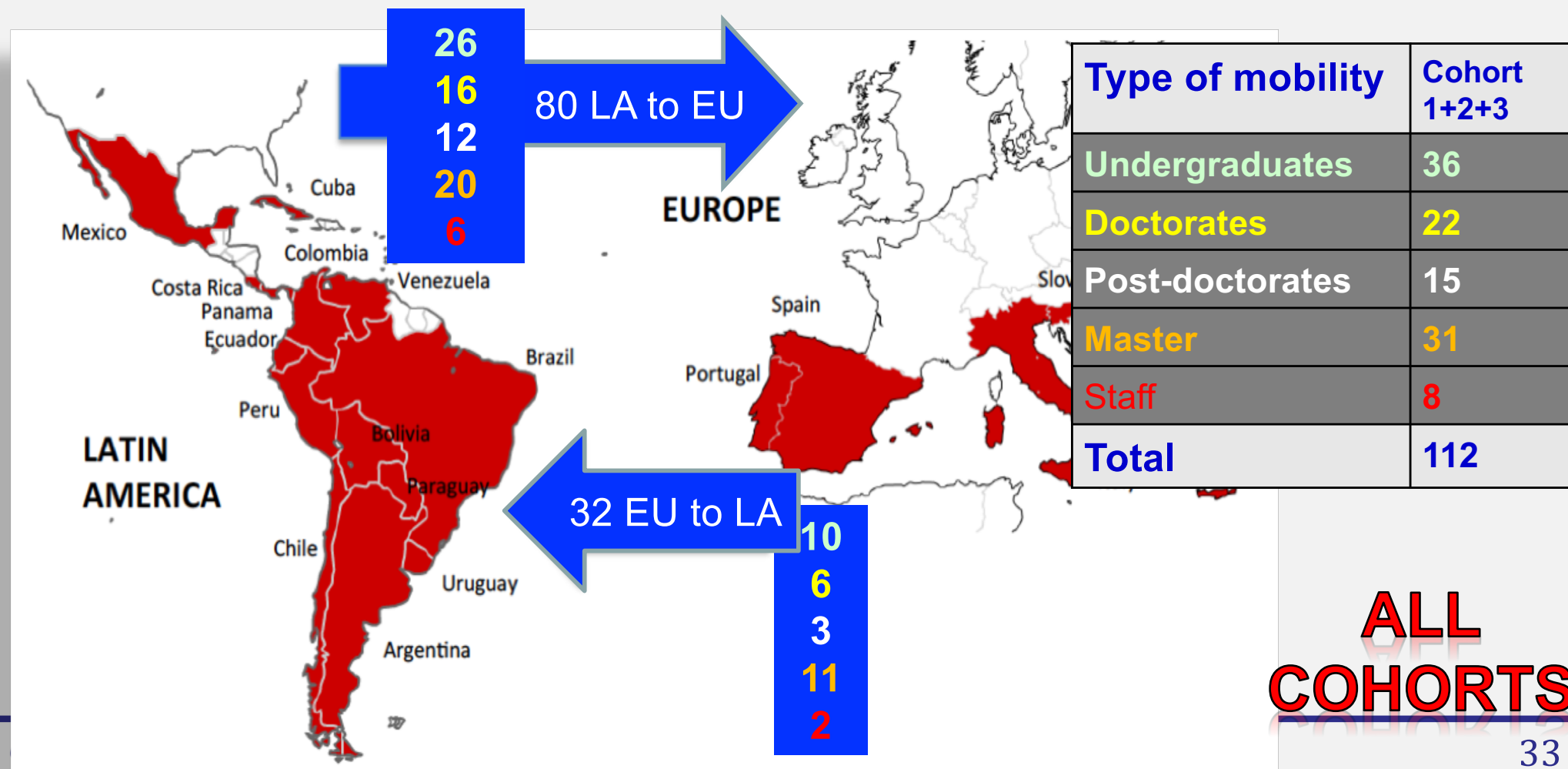
THE PROJECT ...



DISTRIBUTION OF INDIVIDUALLY MOBILITY IN THE RESPECTIVE ANNUAL MOBILITY COHORT

1st + 2nd + 3rd Cohort

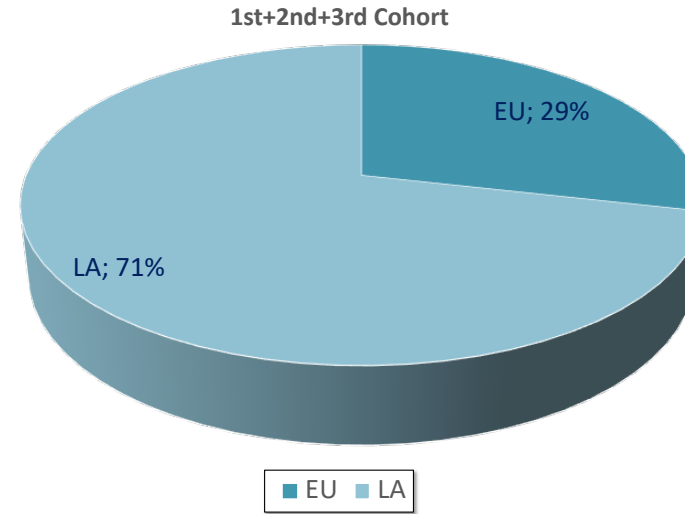
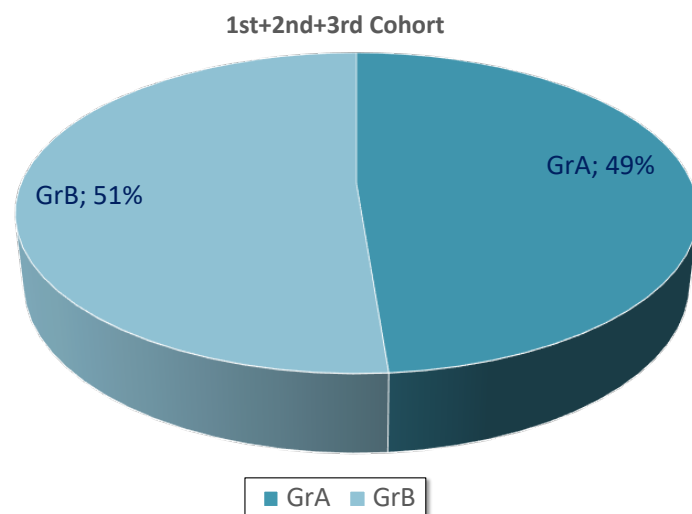
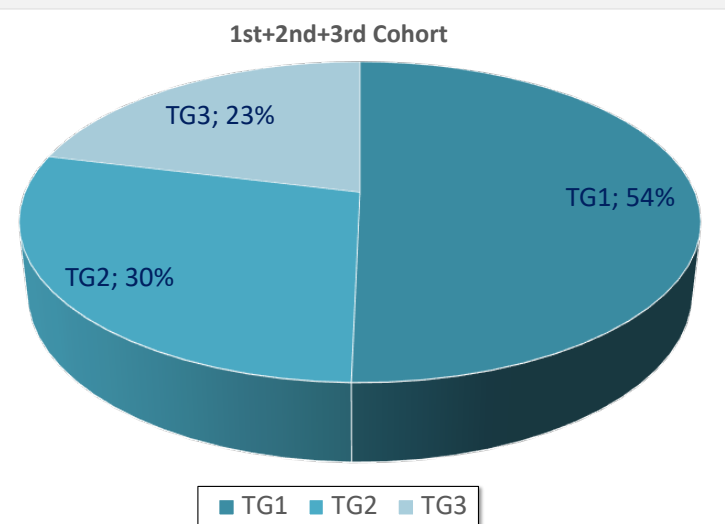
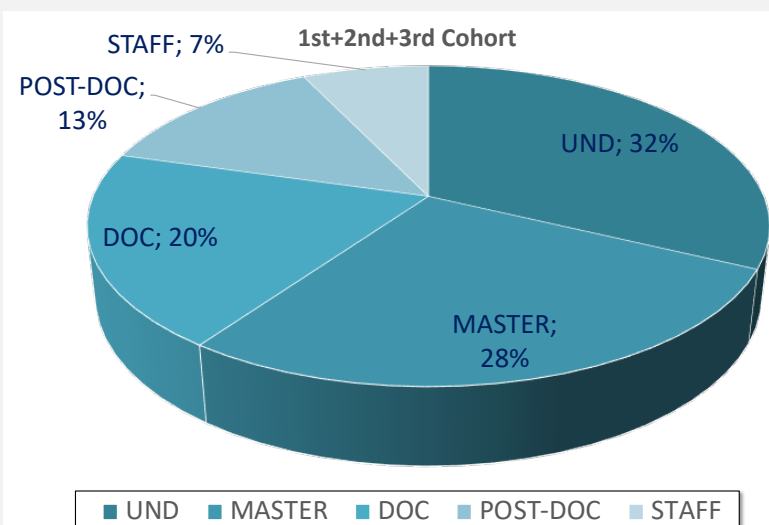
Start September 2015 – End 31 December 2018



DISTRIBUTION OF MOBILITY

1st + 2nd + 3rd Cohort

Start September 2015 – End 31 December 2018





NUMBER OF SCHOLARSHIPS



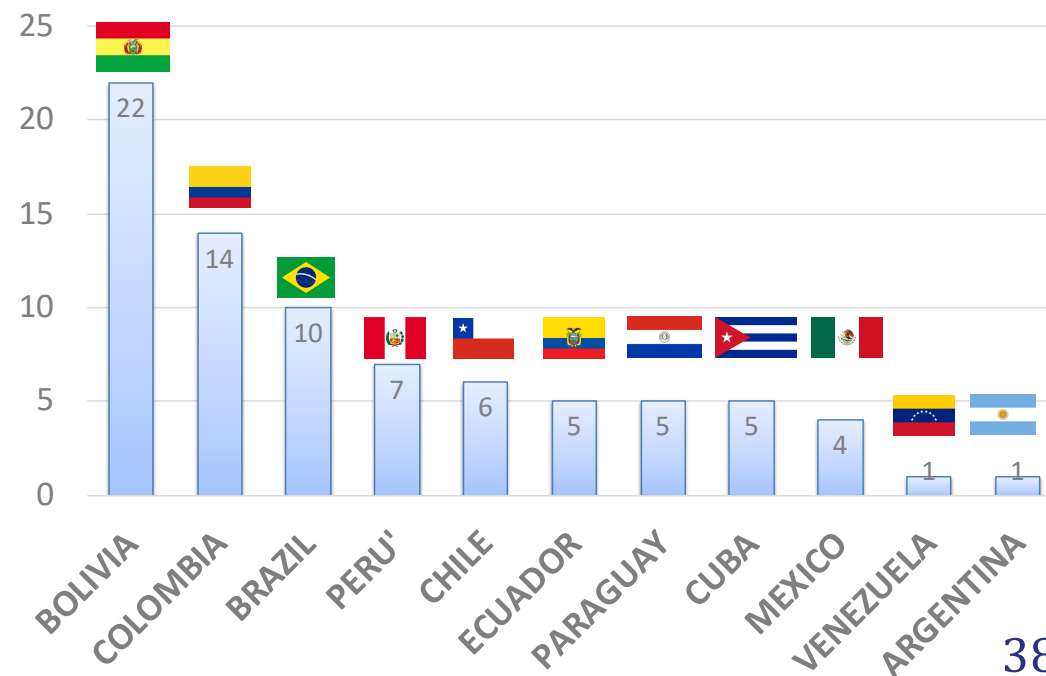
DISTRIBUTION OF MOBILITY

1st + 2nd + 3rd Cohort

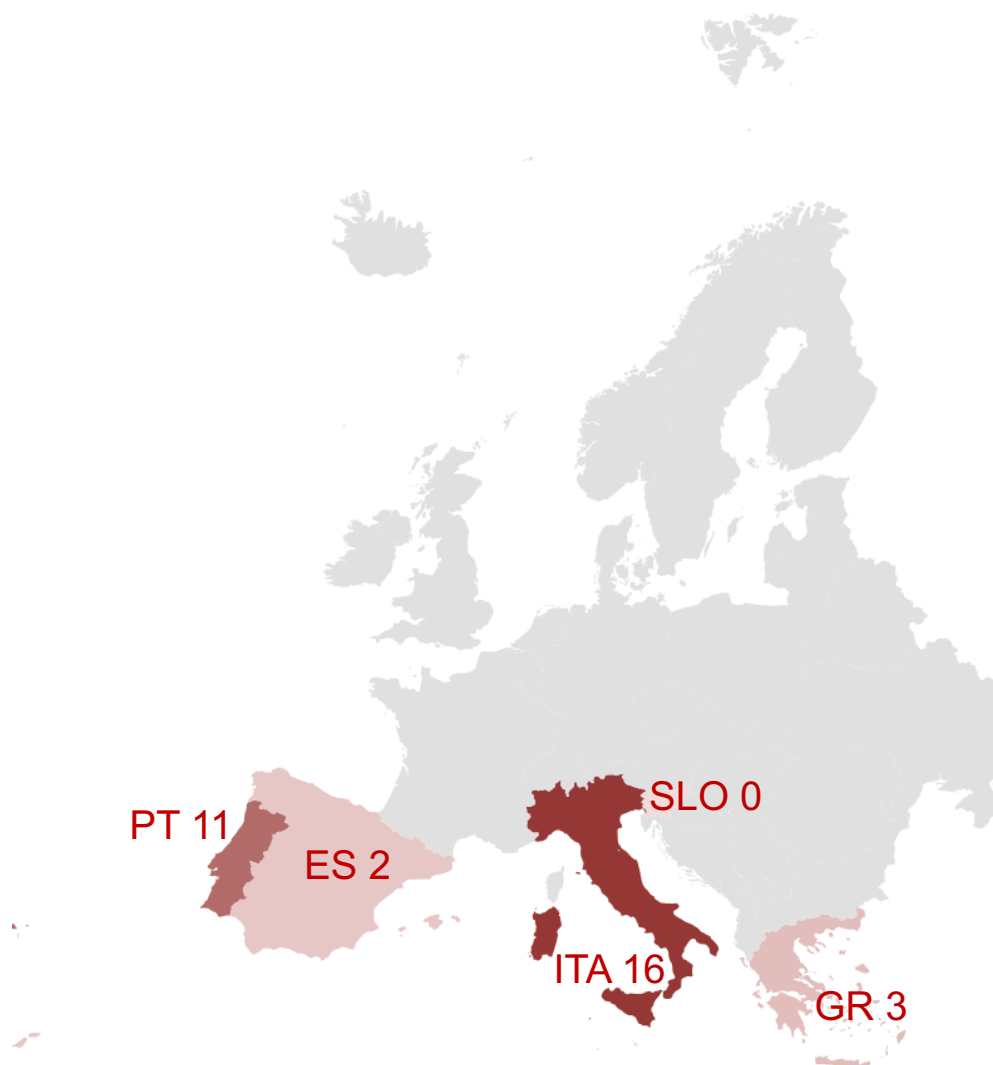
Start September 2015 – End 31

December 2018

LA HOME COUNTRIES



Number of scholarships 0 16



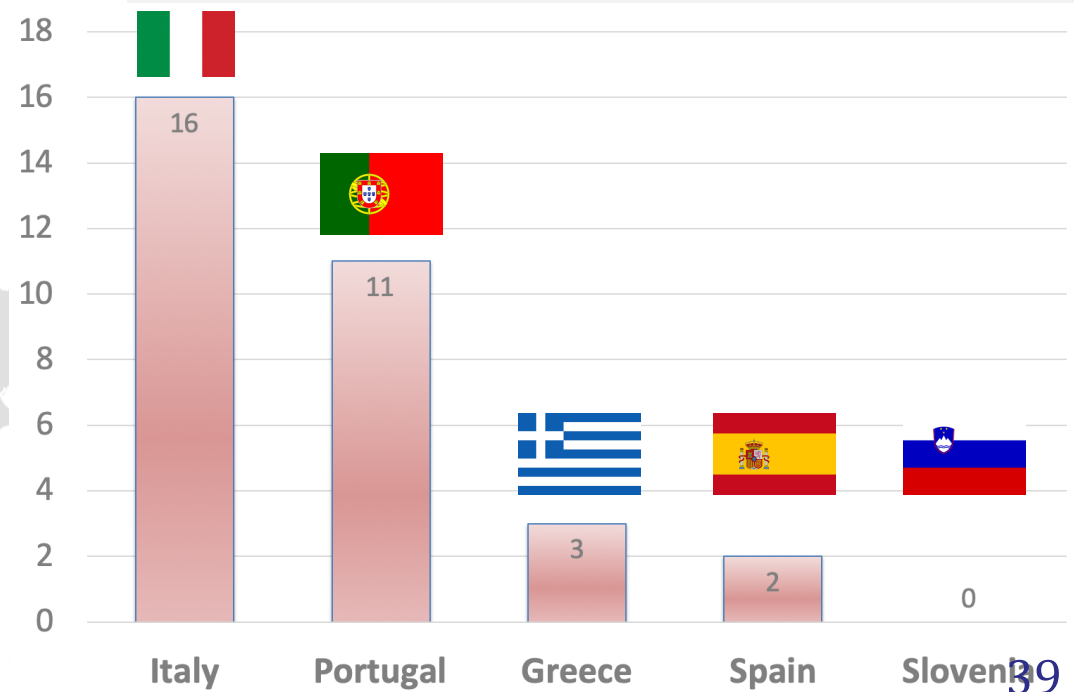
DISTRIBUTION OF MOBILITY

1st + 2nd + 3rd Cohort

Start September 2015 – End 31

December 2018

EU HOME COUNTRIES





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QUALITY CONTROL

An efficient monitoring of the activities implemented along the project duration have been performed by all partners



QUALITY CONTROL (1)

All partners have taken part in the respective internal and external quality assurance measures to guarantee the quality of the mobility programmes



Partners have organized regular meetings with scholarship holders in order to collect feedbacks on the mobility experience and monitor the quality of mobility



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QUALITY CONTROL (2)

At the end of the mobility experience, students have been contacted by the host institution asking them to fill a survey aimed at evaluating the quality of the mobility experience from the student's point of view and at checking the correct functioning of the recognition procedure



RESULTS...

Conservation and protection of cultural heritage involving all relevant aspects such as:

- *Survey*
- *Architectonic analysis*
- *Historic analysis*
- *Documental analysis*
- *Numerical Modelling*
- *Vulnerabilities analysis*
- *Risks analysis*
- *Risks mitigation*
- *Instrumental Diagnostics*
- *Innovative materials and interventions*

Many case studies were analysed belonging to different countries (European and Latin American).

Collection of Technical reports to be attached to the Final Report.



Erasmus Mundus - Action 2 - Strand 1
Partnerships Programme
ELARCH PROJECT



ELARCH PARTNER TECHNICAL REPORT

Please, report the name of your Host Institution. Complete the report following the suggestion and send it via email to admin@elarch.com by 15/03/2019. Please, attach to the email the documents required in paragraph nr. 3.

1. STUDENTS MOTIVATION

Please, report a student motivation in participating into ELARCH project and their experiences. It is also suggested to include some comments, if available, reported directly by them in the form a brief interview or in summary. You can include maximum four high-quality photos. (max 1500 words).

2. KNOWLEDGE ACQUIRED AND ACTIVITIES DONE

Please, include courses attained by students (also language courses) with related contents and all the activities performed. You can include maximum four high quality photos. (max 1500 words).

3. PRODUCTS

Please, include in this paragraph the title of PhD and Master Thesis submitted. Reports also the list of papers, proceeding of congresses book chapters (please add the .pdf files as attachment to the email). For each contribution report the authors list.

4. ACHIEVEMENTS AND FUTURE DEVELOPMENTS IN RESEARCH

Please, include the main goal achieved by the students activities with the related long term impact in the scientific community, their dissemination, and possible future developments. You can include maximum six high-quality photos. (max 2500 words).

5. FUTURE ACTIVITIES OF THE STUDENTS

Please, report the future activities that will be pursued in the Home Countries by the students at the end of their mobility. Report (if any) the synergies promoted with the student activities between the Host University and other possible institutions in the Home Countries.



A particular thought is addressed to the ELARCH Coordinator prof. Michelangelo Laterza, who left us so unexpectedly during this fantastic experience. With his irreplaceable person, he strongly coordinated and followed the exchange of scientific training, promoting research and knowledge dissemination aimed at protecting natural heritages against natural risks. All together we dedicate to his memory all these extraordinary results we have come to.

M. D'Amato

