

EM Eurasiacat

ERASMUS MUNDUS ACTION-2 / STRAND-2 / LOT-3 (CALL EACEA/18/13)

Kick-off Meeting

Basic Information

University of Malaga, 13-14 November 2014



Erasmus
Mundus

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**ERASMUS
MUNDUS**

01. Official web

◇ http://eacea.ec.europa.eu/erasmus_mundus/index_en.php

03. Management

◇ Education, Audiovisual and Culture Executive Agency (EACEA)

02. Mission

◇ To enhance the quality of higher education and promote dialogue and understanding between people and cultures through mobility and academic cooperation.

04. What does it offer?

◇ Grants (mobility scholarships / fellowships)

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**ERASMUS
MUNDUS**

05. Types of grants

- ◇ Master
- ◇ Doctorate
- ◇ Postdoc
- ◇ Staff (Academic / Administrative)

07. Participation costs

- ◇ Tuition fees, student card, lab. fees, etc.
- ◇ For grants of +9 months only
- ◇ Max: 3,000 €/grantee

06. What do grants include?

- ◇ Transportation (plane tickets, etc.) + visa fee
- ◇ Health/accident insurance
- ◇ Participation costs (enrolment fee, etc.)
- ◇ Monthly subsistence allowance

08. Monthly subsistence allowance

- ◇ Master: 1,000 €/month
- ◇ Doctorate (Full / Sandwich): 1,500 €/month
- ◇ Postdoc: 1,800 €/month
- ◇ Staff (Academic / Administrative): 2,500 €/month

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**ERASMUS
MUNDUS**

09. Project duration

◇ 48 months

11. Target groups

◇ TG1: individuals from partner HEIs.

◇ TG2: individuals from non-partner HEIs.

10. Who can participate?

◇ A partnership of up to 12 universities from EU and TC (non-EU countries) manage the project.

◇ M.Sc./Ph.D. students, postdoc and staff may apply for scholarships/fellowships in open competition.

12. Which countries can participate?

◇ All projects (partnerships) are composed of at least 5 EU HEIs plus a number of HEIs from a “lot”.

◇ A “lot” represents a geographical region (one country or a number of neighboring countries).

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**ERASMUS
MUNDUS**

13. Partnership requirements

◇ Each lot may have specific requirements as per the number of HEIs, type (public/private), location (urban, rural, etc.)

15. Thematic field(s)

◇ Each lot may have specific requirements as per the thematic fields (engineering, business, etc.)

14. Scholarship distribution

◇ Each lot may have specific requirements as per the percentage of M.Sc./Ph.D./postdoc/staff grants and percentage of TG1/TG2.

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**ERASMUS
MUNDUS**

16. Partnership structure

◊ Coordinating institution (applicant).

◊ Full partners: HEIs (may send/receive students/staff and shall issue academic diplomas/certifications)

◊ Associated partners: companies, chambers of commerce, public bodies, ministries, NGOs, etc. They cannot benefit from the grant. Role: project promotion, traineeships, exploitation of results, etc.

17. Who pays?

◊ All project expenses (organization costs, grants, etc.) are covered by the EM programme, funded by the European Commission.

Partners DO NOT have to provide own funds.





01. Basic information

- ◇ Programme: Erasmus Mundus (EM)
- ◇ Action / Strand / Lot: EMA2 / S2 / LOT.03
- ◇ Geographical Area: EU + HK / TW / SG / MO
 - ◇ Levels: MAS + PHD+POS+STA
 - ◇ Date (start): 15/07/2014
 - ◇ Date (end): 15/07/2018
 - ◇ Duration: 48 months
 - ◇ Acronym: Eurasiacat
- ◇ Title: Eurasiacat: Advanced Education European-Asiatic Exchange Programme in Materials Science and Catalysis
- ◇ Coord. Inst: Universidad de Malaga (UMA), ES
 - ◇ Joint Coord. Institution: n/a
 - ◇ Budget: 1,503,175 €

02. Lot

- ◇ LOT.03
- Brunei / Macau / Hong Kong / Singapore / Taiwan

03. Thematic field(s)

- ◇ Materials Science
- ◇ Chemical Engineering



04. Partnership structure

◊ Coordinating institution (applicant).
Overall project coordination and management.
Dedicated project unit (UIAC)

◊ Full partners: HEIs (may send/receive students/staff and shall issue academic diplomas/certifications)

◊ Associated partners: companies, chambers of commerce, public bodies, ministries, NGOs, etc. They cannot benefit from the grant. Role: project promotion, traineeships, exploitation of results, etc.



05. Partnership

Coordinator:

◊ EU01 - University of Malaga (UMA), ES - (Coord.)

Full partners (EU):

◊ EU-02. University of Twente (UTWENTE), NL

◊ EU-03. Adam Mickiewicz University (AMU), PL

◊ EU-04. Universite Pierre et Marie Curie VI (UPMC), FR

◊ EU-05. University of Trieste (UNITS), IT



05. Partnership

Full partners (TC):

- ◊ TC-01. Hong Kong Univ. of Science and Technology (HKUST), HK
- ◊ TC-02. National Tsing Hua University (NTHU), TW
- ◊ TC-03. National Taiwan University (NTU), TW
- ◊ TC-04. Nanyang Technical University (NTU), SG
- ◊ TC-05. National University of Singapore (NUS), SG
- ◊ TC-06. University of Macau (UMAC), MO

Associated partners (associates):

- ◊ AS-01. Instituto de Catálisis y Petroleoquímica (ICP-CSIC), ES



05. Partnership

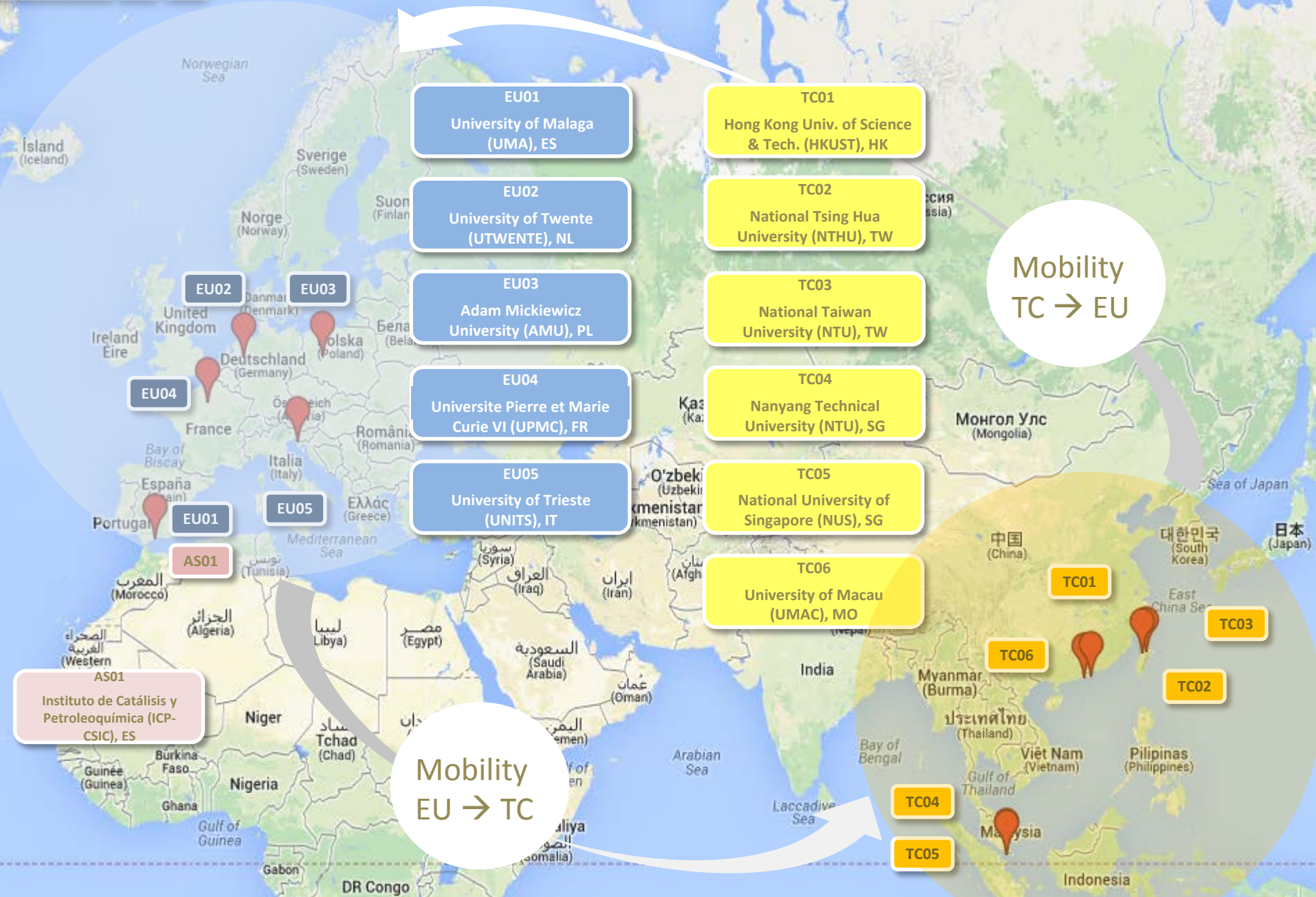
Associated partners' role:

- ◊ Promoting the project.
- ◊ Offering traineeships (1-3 months) at no cost ("salary" is covered by the project. Companies DO NOT have to pay salary/wage.
- ◊ Participating in the grantees' selection process (only for companies offering traineeships).
- ◊ Facilitating the process of obtaining the visa, etc.
 - ◊ Dissemination/exploitation of results.
 - ◊ Sustainability, etc.



05. Partnership





EU01
University of Malaga
(UMA), ES

TC01
Hong Kong Univ. of Science
& Tech. (HKUST), HK

EU02
University of Twente
(UTWENTE), NL

TC02
National Tsing Hua
University (NTHU), TW

EU03
Adam Mickiewicz
University (AMU), PL

TC03
National Taiwan
University (NTU), TW

EU04
Universite Pierre et Marie
Curie VI (UPMC), FR

TC04
Nanyang Technical
University (NTU), SG

EU05
University of Trieste
(UNITS), IT

TC05
National University of
Singapore (NUS), SG

TC06
University of Macau
(UMAC), MO

EU02

EU03

EU04

EU05

EU01

AS01

AS01
Instituto de Catálisis y
Petroleoquímica (ICP-
CSIC), ES

Mobility
TC → EU

Mobility
EU → TC



TC01

TC03

TC02

TC04

TC05



06. Objectives

The Eurasiacat project aims at creating a solid and long-term **sustainable network (Eurasiacat-N)** of both EU and Asian institutions with the ultimate objective of fostering academic, cultural, social and economical links amongst all the involved stakeholders (partners, associates, grantees, local / regional / national administrations, networks and associations, Ministries of Education, Embassies / Consulates, companies, chambers of commerce, NGOs, etc.).

The project is based upon 2 founding blocks:

1. **Mobility of individuals**
2. **Structured cooperation**



06. Objectives

The goal is selecting the most talented individuals based on academic, professional and personal accumulated merits, so that they receive high-quality academic/professional training.

Emphasis will be made on maximizing the actual **employability** of grantees, for which the so called **Eurasiacat Training Programme (Eurasiacat-TP)** has been set up.

Eurasiacat-TP will offer grantees the following services:

1. **Career center (CC)** (constituted by the combination of local career centers at each partner, as well as key associates, will offer academic/professional advice along the project duration and beyond).
2. **Short traineeship period (STP)** (1-3 months) at a company, public body, NGO, etc. of choice, and in line with the specific professional profile of each grantee.



06. Objectives

Mobility will be inter-continental
(not intra-continental)

EU $\leftrightarrow$ TC supported

EU $\leftrightarrow$ EU / TC $\leftrightarrow$ TC not supported !!



07. Study offer

ID	C	Institution	ACR	Thematic Fields						
				06.x	07.x	12.x	13.x			
				.2	.3	.7	.2	.5	.3	.9
EU-01	ES	University of Malaga	UMA		v	v				
EU-02	NL	University of Twente	UTWENTE	v	v					
EU-03	PL	Adam Mickiewicz University	AMU		v	v				
EU-04	FR	Universite Pierre et Marie Curie VI	UPMC		v				v	
EU-05	IT	University of Trieste	UNITS		v	v				
TC-01	HK	Hong Kong Univ. of Science and Technology	HKUST	v	v					
TC-02	TW	National Tsing Hua University	NTHU			v			v	
TC-03	TW	National Taiwan University	NTU		v		v			
TC-04	SG	Nanyang Technical University	NTU					v		v
TC-05	SG	National University of Singapore	NUS		v				v	
TC-06	MO	University of Macau	UMAC					v		v

06.0 Engineering, Technology

06.2. Electrical Engineering

06.3. Chemical Engineering

06.7. Materials Science

07.0. Geography, Geology

07.2. Environmental Sciences, Ecology

12.0. Medical Sciences

12.5. Pharmacy

13.0. Natural Sciences

13.3. Chemistry

13.9. Others-Natural Sciences



07. Study offer

Thematic Areas		EU.X					TC.X					
		1	2	3	4	5	1	2	3	4	5	6
01	Catalysts/materials characterization and catalytic application										v	
02	Catalytic applications of nanomaterials in several reactions, including those of interest in pharmaceutical science									v		
03	Characterization of Materials by ATR spectroscopy		v									
04	Chinese Medicine											v
05	Design of reactors for photocatalytic conversions		v									
06	Gas and liquid phase oxidation			v								
07	Kinetic Studies of ODH and ammoxidation reactions	v										
08	Kinetic studies of Photocatalytic HER and catalytic activation of small molecules					v						
09	Modeling of heterogeneous catalysts and catalytic reactions				v							
10	Nanoporous materials and membranes for separation and reaction					v						
11	Nanotechnology									v		v
12	Pharmaceutical Science											v
13	Photoelectrochemical hydrogen production								v			
14	Reactor miniaturization and intensification					v						
15	Selective oxidation reactions and photocatalysis							v				
16	Synthesis and characterization of zeolites, mesoporous materials, metallic and bimetallic catalysts			v								
17	Synthesis of 1-D nanostructured metal oxide arrays and branched nano-composite metal oxide arrays								v			
18	Synthesis of mesoporous materials and nanocomposite materials							v				
19	Synthesis of Nanocomposites (plasmonic catalysts, core-shell metal-oxides)					v						
20	Synthesis of Nanomaterials (oxides and carbons)	v										



08. Mobility

Type	Cohort-1	Cohort-2	Cohort-3	Total
Masters	10	10	10	30
Doctorates	5	5	4	14
Post-doctorates	0	6	6	12
Staff	0	5	4	9
Total	15	26	24	65



08. Mobility

Type	Outgoing [Europeans]		Third country [TC]	Incoming [Third country nationals]		Total	Distribution per type
	TG1	TG2		TG1	TG2		
Masters	3	0	MO	2	0	5	30 46.15 %
	3	0	HK	3	0	6	
	6	0	SG	3	0	9	
	6	0	TW	4	0	10	
Doctorates	1	1	MO	0	1	3	14 21.53 %
	1	1	HK	0	2	4	
	1	0	SG	0	2	3	
	1	0	TW	1	2	4	
Post-doctorates	1	0	MO	1	0	2	12 18.46 %
	1	0	HK	1	0	2	
	2	0	SG	2	0	4	
	2	0	TW	2	0	4	
Staff	1	0	MO	1	0	2	9 13.84 %
	1	0	HK	1	0	2	
	1	0	SG	1	0	2	
	2	0	TW	1	0	3	
Total	33	2		23	7	65	100 %



08. Mobility

ID	C	HEI	Masters		Doctorates		Post-doctorates		Staff	
			Send	Receive	Send	Receive	Send	Receive	Send	Receive
EU-01	ES	UMA	3-4 [10 m]	2-3 [10 m]	0-1 [6,24,36 m]	1-2 [6,24,36 m]	1-2 [6 m]	1-2 [6 m]	1 [1 m]	0-1 [1 m]
EU-02	NL	UTWE NTE	3-4 [10 m]	2-3 [10 m]	0-1 [6,24,36 m]	1-2 [6,24,36 m]	1-2 [6 m]	1-2 [6 m]	1 [1 m]	0-1 [1 m]
EU-03	PL	AMU	3-4 [10 m]	2-3 [10 m]	0-1 [6,24,36 m]	1-2 [6,24,36 m]	1-2 [6 m]	1-2 [6 m]	1 [1 m]	0-1 [1 m]
EU-04	FR	UPMC	3-4 [10 m]	2-3 [10 m]	0-1 [6,24,36 m]	1-2 [6,24,36 m]	1-2 [6 m]	1-2 [6 m]	1 [1 m]	0-1 [1 m]
EU-05	IT	UNITS	3-4 [10 m]	2-3 [10 m]	0-1 [6,24,36 m]	1-2 [6,24,36 m]	1-2 [6 m]	1-2 [6 m]	1 [1 m]	0-1 [1 m]
TC-01	HK	HKUST	3 [10 m]	3 [10 m]	0 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	1 [1 m]	0-1 [1 m]
TC-02	TW	NTHU	2 [10 m]	3 [10 m]	0-1 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	0-1 [1 m]	0-1 [1 m]
TC-03	TW	NTU	2 [10 m]	3 [10 m]	0-1 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	0-1 [1 m]	0-1 [1 m]
TC-04	SG	NTU	1-2 [10 m]	3 [10 m]	0 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	0-1 [1 m]	0-1 [1 m]
TC-05	SG	NUS	1-2 [10 m]	3 [10 m]	0 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	0-1 [1 m]	0-1 [1 m]
TC-06	MO	UMAC	2 [10 m]	3 [10 m]	1 [6,24,36 m]	1 [6,24,36 m]	1 [6 m]	1 [6 m]	1 [1 m]	0-1 [1 m]



08. Mobility

For each partner HEI and type of grant (“M.Sc.”, “Ph.D.”, “Postdoc” and “Staff”), it is represented the number and duration in months [xx m] of sending (outgoing) and receiving (incoming) mobility flows .
Figures meet all requirements established by the EM programme. Mobility flows are equally distributed amongst all partner HEIs (EU / TC).



09. Grants


Transportation & visa

Plane tickets + visa fee
Up to 2,500 €/grantee


Grants

Participation costs

Tuition fees, student card, lab. fees, etc. (grants 10+ months)
Up to 3,000 €/grantee
(for M.Sc. and Ph.D. grants only)


Monthly subsistence allowance

Master: 1,000 €/month
Doctorate: 1,500 €/month
Postdoc: 1,800 €/month
Staff: 2,500 €/month


Health/accident insurance

For the entire grant period

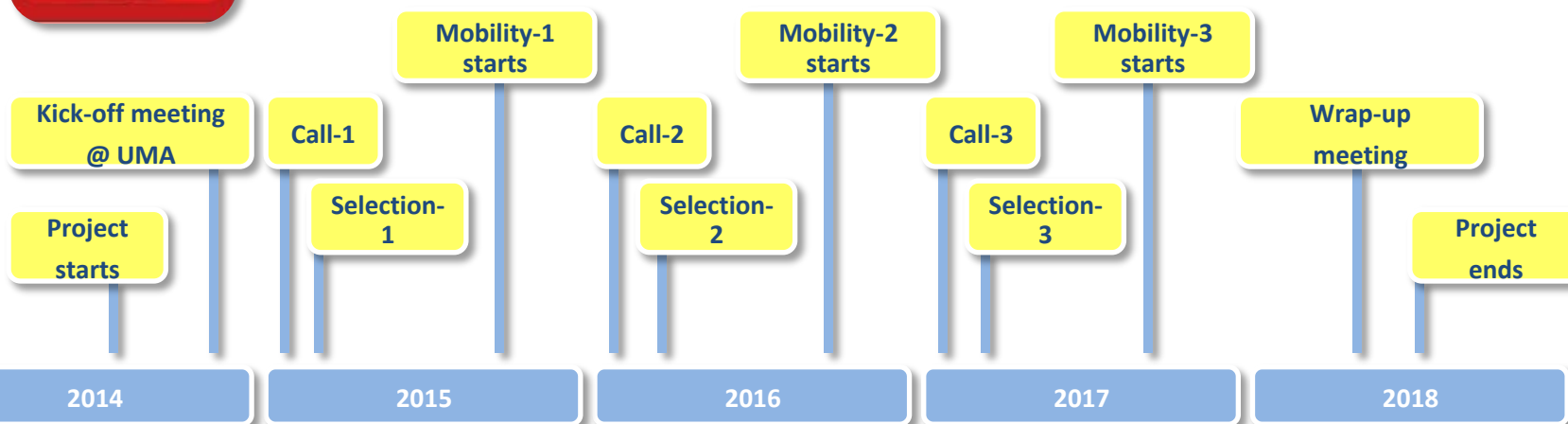


10. Key documents





11. Timeline





Kick-off meeting

KICK-OFF MEETING

Date: 13-14 November 2014
(Thursday + Friday)
Place: UMA



Attendance of 1 representative per partner HEI will be covered with the “organization of mobility” funds assigned to each partner (plane tickets + hotel + subsistence).

The agenda and further instructions (plane tickets / hotel booking, etc.) will be sent to all partners by email in due time.

The attendance of at least 1 representative per partner HEI is mandatory.

Associates are more than welcome to attend. However, attendance expenses shall not be covered by the project.



Erasmus Mundus

ADDITIONAL INFORMATION:

http://eacea.ec.europa.eu/erasmus_mundus/

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