

# Networks as enablers for inter-institutional collaboration at doctorate level

Amaya Mendikoetxea

Universidad Autónoma de Madrid

2019 eua-cde thematic workshops

Inter-Institutional collaboration in Doctoral Education

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While the harmonisation of degree structure and the adoption of ECTS credits have had a strong impact on the development of joint programmes at Bachelor and Master's level in Europe, at doctoral level, the impact has been limited. There is no common definition of “structured doctoral education” in the diversified European higher education system. The obstacles for successful cooperation across borders at all levels of higher education cannot be underestimated (cf. **JOINMAN report**) .



Doctoral education is very different from the first two cycles of the Bologna Process in that it is intimately tied to **research**. **Transnational cooperation in this area is crucial** in order to achieve the high quality doctoral training Europe needs to remain competitive as a knowledge-based economy. Doctoral programmes are at the intersection between the ERA and EHEA and thus, central to the future **European Education Area (EEA)**.



- Brief presentation of UAM and the networks it is a member of
- Presentation of YERUN (Young European Research Universities)
- Actions of YERUN's Working Group on Joint Programmes at Doctorate level



## UAM Community

- **Students: 33.582**
- **International Students: 3.376**
  - 23.165 Undergraduate students
  - 6.541 Postgraduate (MA) students  
(20% international)
  - 3.876 PhD students  
(25% international)
- **Exclusive dedication academic staff : 2.380**
- **Administrative staff: 1.041**



## What to study

- **53 Undergraduate Programs**
  - **114 Masters and PhD Programs**
  - **15 International Joint Programs (3 EMJMD)**
  - **58 Diplomas**
- 
- ☐ Engineering and Technological Sciences
  - ☐ Sciences
  - ☐ Law and Political Sciences
  - ☐ Teacher Training and Education
  - ☐ Business and Economics
  - ☐ Arts & Humanities
  - ☐ Medicine
  - ☐ Psychology

## 5 UAM-CSIC Institutes

- ☐ Biomedical Research Institute «Alberto Sols» (IIBAS)
- ☐ Molecular Biology Centre Severo Ochoa (CBMSO)
- ☐ Theoretical Physics Institute (IFT)
- ☐ Mathematical Science Institute (ICMAT)
- ☐ Food Science Research Centre (CIAL)

## 5 CSIC-owned Institutes

- ☐ National Biotechnology Centre (CNB)
- ☐ Catalysis and Petrochemistry Centre (ICP)
- ☐ Madrid Material Sciences Centre (ICMM)
- ☐ Glass and Ceramics Institute (ICV)
- ☐ Institute of Microelectronics of Madrid (IMM)

## 2 Madrid Institutes for Advanced Studies (IMDEAs)

- ☐ Madrid Institute for Advanced Studies in Food Science
- ☐ Madrid Institute for Advanced Studies in Nanoscience

+

## 8 UAM Centers

## 5 UAM Health Research Institutes

## Madrid Science Park - PCM



# 43 PhD PROGRAMS

ACADEMIC YEAR 2017-18	
Field	PhD's awarded
Arts & Humanities	122
Natural Sciences	350
Health Sciences	342
Social and Legal Sciences	187
Engineering	17
<b>TOTAL</b>	<b>1015</b>
<b>Cotutelle</b>	<b>19</b>
<b>International Mention*</b>	<b>201</b>

Special programme, which requires candidates to have spent time doing research abroad and having international academics/scientists in their viva panel



- ❑ World 100 Reputation network
- ❑ **YERUN Network**
- ❑ TNMC: Transnational Northern Mediterranean Campus (with Universitat de Barcelona, Aix-Marseille, Sapienza)
- ❑ CIVIC (European Universities: Aix-Marseille, Sapienza, Tübingen, Athens, Stockholm & Bucharest)
  
- ❑ **12 International Double Programs (DA/MA)**
- ❑ **5 Erasmus Mundus Masters**
  
- ❑ **Student Exchange** programs with more than 500 universities in the world (ERASMUS+ & international agreements)
  - ❑ 1700 incoming (2015-2016)
  - ❑ 1300 outgoing (2015-2016)





# Young European Research Universities Network

*Promoting education collaboration*  
**@YERUN\_EU**







# YERUN Launch Event

7 November 2017  
European Parliament

#YERUNLaunch

Watch our Video!

<https://www.youtube.com/watch?v=ZOcLI2L2j6Y>



## YERUN Objectives

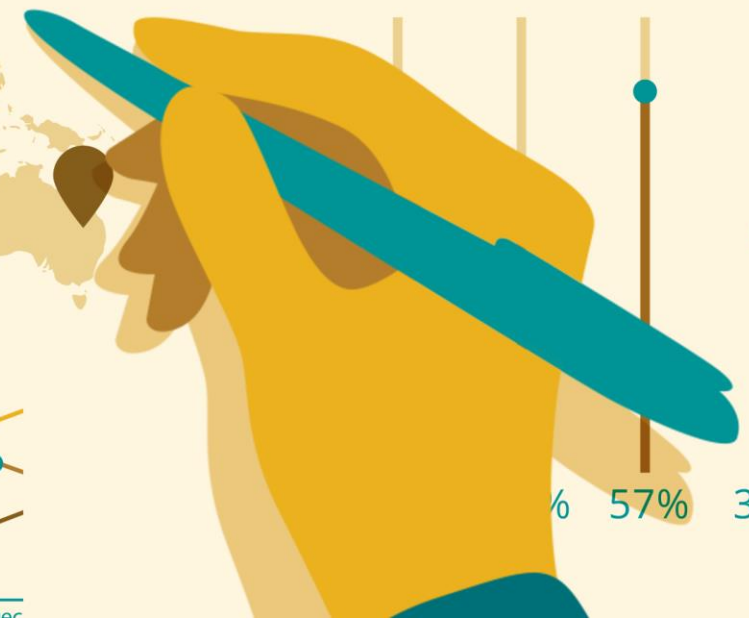
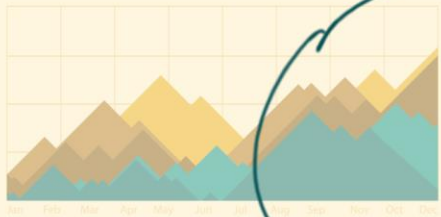
- Strengthen joint research and teaching initiatives, maximise **mobility** and facilitate graduate **employability**
- Bring the **young** European research universities **perspective** to the EU debate
- Implement our commitment to **Open Science**





Yerun  
Young European Research Universities

# Strategic actions







# YERUN RMF WG

## Connecting researchers – Sharing knowledge & infrastructure

 **YERUN**  
@YERUN\_EU

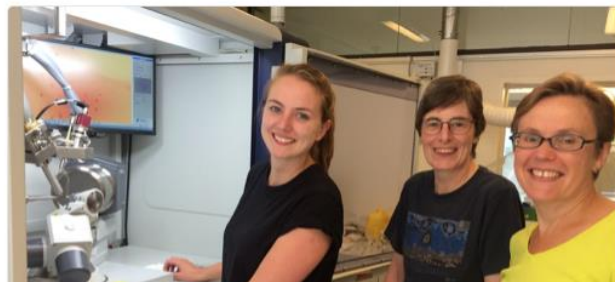
#YERUN #RMA 2018 - Meet our researcher Maria Lozano! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @unitorvergata @UAM\_Madrid



#YERUN #RMA

 **YERUN** @YERUN\_EU · Aug 28

#YERUN #RMA 2018 - Meet our researcher Creina Slator! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @DublinCityUni @DCU\_Research @SyddanskUniv @UniSouthDenmark



 **YERUN** @YERUN\_EU · Aug 14

#YERUN #RMA 2018 - Meet our researcher Begoña Aramayona! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @UAM\_Madrid @NovaUni



 **YERUN** @YERUN\_EU · Aug 6

#YERUN #RMA 2018 - Meet our researcher Javier de la Fuente! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @UAM\_Madrid @SyddanskUniv @UniSouthDenmark

Translate Tweet



 **YERUN** @YERUN\_EU · Aug 7

#YERUN #RMA 2018 - Meet our researcher Irene Martín! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @UAM\_Madrid @Bruneluni

Translate Tweet



 **YERUN** @YERUN\_EU · Aug 29

#YERUN #RMA 2018 - Meet our researcher Vicente Costal! --> [yerun.eu/2018/08/yerun-...](http://yerun.eu/2018/08/yerun-...)  
#Research #Mobility @UABBarcelona @UniBremen





# YERUN RMF WG

## Connecting researchers – Research Workshops



Next ones in 2019 -> Health and Ageing (Nova) Digital Humanities (UAM)



# YERUN SA3: Promoting education collaboration

International Joint Programmes in YERUN		
	Multiple YERUN members	One YERUN member
<b>Total</b>	12	129 (12 + 117)
<b>Level</b>	8 Masters; 1 Doctorate; 3 Combined ( <i>B+M, M+D...</i> )	13 Bachelor; 84 Master; 21 Doctorate; 11 Combined
<b>Study Fields</b>	<i>Social sciences, journalism and information (36,2%); Natural sciences, mathematics and statistics (24,4%); Business, administration and law (13,4%) Selected other (26,0%)</i>	

## Proposals for action:

- Increase the number of Joint Master Degree Programmes under Erasmus Mundus (EMJMD).
- Identify areas of interest for multiple/double and joint programmes.
- [Work towards joint doctoral programmes \(in connection with Strategic Action 2 'Promoting Research Collaboration'\)](#)
- Consider financial support for mobility (scholarships) for joint programmes with YERUN partners.
- Consider the possibility of establishing double degree programmes at bachelor's level in areas in which there is successful student mobility throughout the years.





# YERUN SA3: Promoting education collaboration

## 2017-2018: WG on Joint Programmes

- Gather expressions of interest
- *Staff Week on Joint Programmes at Bachelor and Master's level* (UAM, March 2017)
- Support teams in YERUN universities to set up joint programmes
- Write *Guidelines*
- Provide forms/templates/checklists as *tools* for setting up, running and evaluating joint programmes
- Gather list of Masters taught in English in the network

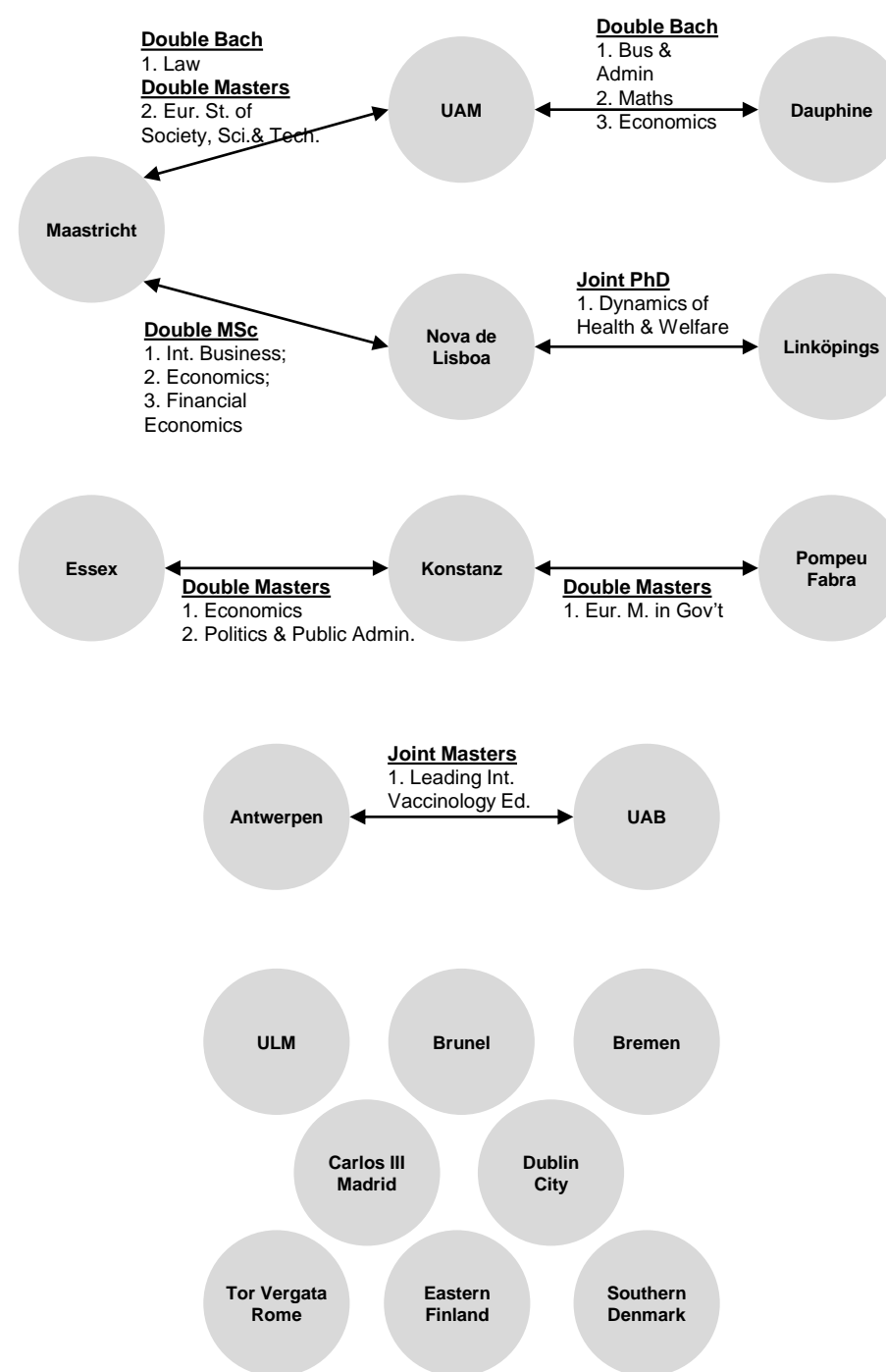
<https://www.yerun.eu/strategic-action-area/education-collaboration/>



# YERUN Guidelines for JP's Bachelor & Master

## STAGES IN DEVELOPING & RUNNING JOINT PROGRAMMES (JP)





- **5** new double programmes are being taught (2 Master/3 Bachelor)
- **4** new double programmes are in the *developing* stage
- **9** new double programmes are in the *proposal* stage

# YERUN WG JP at Doctorate Level

- Raise **awareness** about the added value of JPs
- Write **guidelines and tools** for collaborative doctoral programmes
- Organize a **Staff Week** to:
  - Present the advantages and the challenges of international collaboration at Doctorate level
  - Identify and describe the different types of 'structured mobility' at Doctorate level
  - Exchange good practices and share knowledge and experiences about doctoral training in collaborative contexts
- Encourage the creation of **consortia for student and staff mobility** around YERUN's identified key research topics: Big Data, Migration, Digital Humanities, Health and Ageing, Sustainability
- Encourage the development of **collaborative PhDs in any area** in which there is research collaboration





# Staff Week UAM (14<sup>th</sup>-16<sup>th</sup> november) 2018:

## Invited speakers

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**Annamaria Silviana da Rosa**  
University of Roma, Sapienza



**John W Creemers**  
KU Leuven



**Gareth O'Neill**  
President of EURODOC



**Mossadek Talby**  
Aix-Marseille Université/ EUA CDE



# Staff Week

- Presentations by YERUN members on practical cases, general issues, etc. a
- Roundtables: challenges, advantages, etc.
- Presentation of the organisation of doctoral education in 8 EU countries (Belgium/Flanders, France, Finland, Germany, Italy, Portugal, Spain, UK).

All content can be downloaded [here](#).

A stylized illustration of a woman with long brown hair, wearing a yellow sweater, sitting at a desk. She is looking down at a laptop. On the desk, there is also a smartphone and a pair of glasses. The background is a light beige color with abstract shapes.

**YERUN Staff Week**  
Organised by  
Universidad Autónoma de Madrid  
**Best practices for International  
collaboration at Doctorate Level**  
14<sup>th</sup> – 16<sup>th</sup> November 2018

FYL Facultad de Filosofía y Letras UNIVERSIDAD AUTÓNOMA DE MADRID Cincuenta Aniversario UAM Universidad Autónoma de Madrid excelencia UAM CSIC Yerun Young European Research Universities

## Co-tutelle agreements

Formalisation of cooperation around one or several candidates.

- Co-tutelle agreements for joint supervision of one candidate by two institutions that award doctoral degrees.
- Joint doctoral programmes may have a consortium agreement for the whole joint doctoral programme and a cotutelle agreement for each individual candidate.



## A double/multiple joint doctoral programme

Leading to a double/multiple degree.

- These programmes have a high level of formalisation.
- The 'jointness' is visible in regards with supervision related to institutions in which students take their courses and spend their study period.



## Joint doctoral degree

All participants receive a joint degree issued jointly by two or more institutions.

- Highest degree of formalization
- Partners develop joint academic/training programme
- Mobility is included as part of the joint programme
- Joint selection and admission processes



## ➤ MAIN MOTIVATION: From an institutional perspective

They contribute to research development and research quality through collaboration, as well as international visibility, by

- **Strengthening research** in a specific discipline in order to create a critical mass that is not achievable in a single institution.
- Increasing **the number of doctoral students** in order to improve visibility, reputation and funding.
- Increasing the **attractiveness of the programme** in terms of recruiting good candidates in the international scene.
- **Reinforcing relations with specific partners** and giving a stable structure to longstanding research collaboration, which can lead to better funding that institutions could achieve separately.



This is particularly interesting for the YERUN network in order to enhance the possibilities of YERUN partners in getting EU funds for research





## MAIN MOTIVATION: For the candidate

- They give the student an international perspective and help them become part of an **international network** of researchers in their subject area
- They expose students to diverse teaching/research **methods and cultures** (transferrable skills)
- They offer attractive possibilities for research in a context that complements the research they can carry out in their home institution, and which is often of a **higher quality** by bringing together experts from different institutions
- They often lead to **joint publications** with international partners, improving the students' CV
- They also **enhance their employability** prospects and their access to research funds.



# CHALLENGES

- National/regional/institutional regulations
- Financial cost (for the candidate)
- Cost in human resources (development/management costs)
- Often for a very small number of students!!!!







“The demands on and functions of universities in society have become highly diverse and complex, making it increasingly difficult for any single academic institution to discharge these varied roles successfully and efficiently.”

[from *Doctoral Studies in Europe: Excellence in Researcher Training*, LERU, May 2007]



Amaya Mendikoetxea  
*Universidad Autónoma de Madrid*

Chair of YERUN's Working Group on Joint  
Programmes

[amaya.mendikoetxea@uam.es](mailto:amaya.mendikoetxea@uam.es)



Silvia Gómez Recio

*Secretary General of YERUN*  
@YERUN\_EU

[secretarygeneral@yerun.eu](mailto:secretarygeneral@yerun.eu)

