



Universidad
Zaragoza



UNIVERSITY OF ZARAGOZA: A COMMITMENT FOR INTERNATIONALISATION

Dr. Rafael de Miguel & Dr. Juan Vallés
(rafaelmg@unizar.es, juanval@unizar.es)

OUTLINE

- 1. THE PUBLIC UNIVERSITY OF ARAGÓN***
- 2. INTERNATIONALISATION AT A UNIVERSITY LEVEL***
- 3. INTERNATIONALISATION AT A FACULTY/SCHOOL LEVEL***



THE PUBLIC UNIVERSITY OF ARAGON





A mixture of tradition and modernity

Multidisciplinary University

- 54 Bachelors Degrees
- 64 Master Degrees
- 47 Doctoral Programs
- 61 Specific Courses

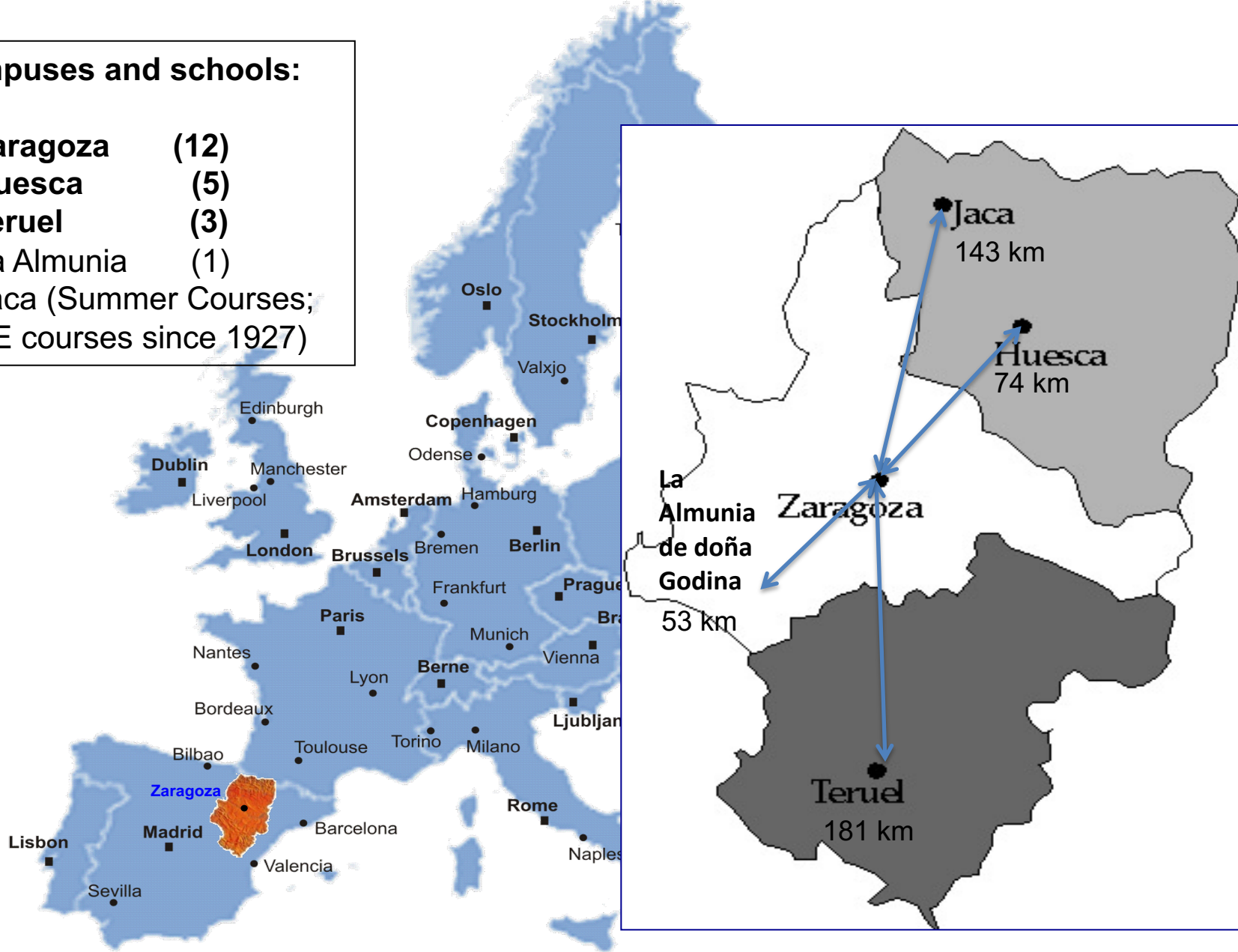


Arts and Humanities
Social Sciences and Law
Experimental Sciences
Health Sciences
Engineering and Architecture

22 Schools
54 Departments
1 Doctoral School
11 Research Institutes
3 Research Centres
Zaragoza Logistic Center

Campuses and schools:

- 1. Zaragoza (12)
- 2. Huesca (5)
- 3. Teruel (3)
- 4. La Almunia (1)
- 5. Jaca (Summer Courses; ELE courses since 1927)



Zaragoza (684.686)



1. CAMPUS SAN FRANCISCO

Faculty of Medicine
Faculty of Education
Faculty of Social and Labour Sciences
Faculty of Health Sciences
Faculty of Sciences

Faculty of Law
Faculty of Arts

2. CAMPUS RÍO EBRO

School of Engineering and
Architecture

3. PARANINFO

Faculty of Economics and
Business

4. VETERINARIA

Faculty of Veterinary

Huesca (53,956)

- Polytechnic School (Agricultural and Rural Environment Engineering Environmental Science)
- Faculty of Human Sciences and Education
- Faculty of Business and Public Management
- Faculty of Health Sciences and Sports
- School of Nursing



Teruel (36,240)

- Faculty of Social and Human Sciences (Psychology, Education, Fine Arts, Business Management)
- Polytechnic School (Electronic and Computational Engineering)
- School of Nursing

Universidad de Zaragoza in the University rankings

ARWU / ACADEMIC RANKING OF WORLD UNIVERSITIES

471

ARWU-FIELD RANKING

- Among the 151-200 universities in **Natural Sciences and Mathematics** (ARWU 2016)

ARWU- SPECIAL FOCUS INSTITUTION RANKING

- 46th University in **Sport Science** 2018 (ARWU)

**UNIVERSIDAD DE ZARAGOZA IS RANKED AMONG THE 500 BEST
UNIVERSITIES IN THE WORLD IN 22 OUT OF 54 SUBJECT
RANKINGS BY ARWU**

Universidad de Zaragoza in the University rankings

401-500 / ARWU-SUBJECT RANKING (2021)

Among the best universities of the world in 22 out of 54 areas:

- 76-100 in **Veterinary Sciences, Food Science and Technology, Automotion & Control (3)**
- 101-150 in **Hospitality & Tourism Management (1)**
- 300 in **Chemistry Biomedical Eng. (2)**
- 400 in **Education, Chemical Eng., Agricultural Sciences, Earth Sciences, Business Administration, Mathematics, Pharmacy & Pharmaceutical Sciences, Energy Science & Eng., Electrical & Electronic Eng., Nanoscience & nanotechnology (10)**
- 500 in **Public Health, Clinical Medicine, Economics, Management, Human Biological Sciences, Material Sciences & Eng. (6)**



INTERNATIONALIZATION AT A UNIVERSITY LEVEL



Studying at the University of Zaragoza means...

STUDYING AT THE EUROPEAN UNION

- 27 estate members
- 4,233,255 km²
- 446.82 M citizens
- 3rd world's largest economy (1st: China; 2nd: USA)



SHARING THE EHEA, the European Higher Education area, a demanding university system

Studying at the University of Zaragoza means...

STUDYING IN SPAIN

High quality of life: combining modernity and tradition, efficiency and ability to enjoy life.

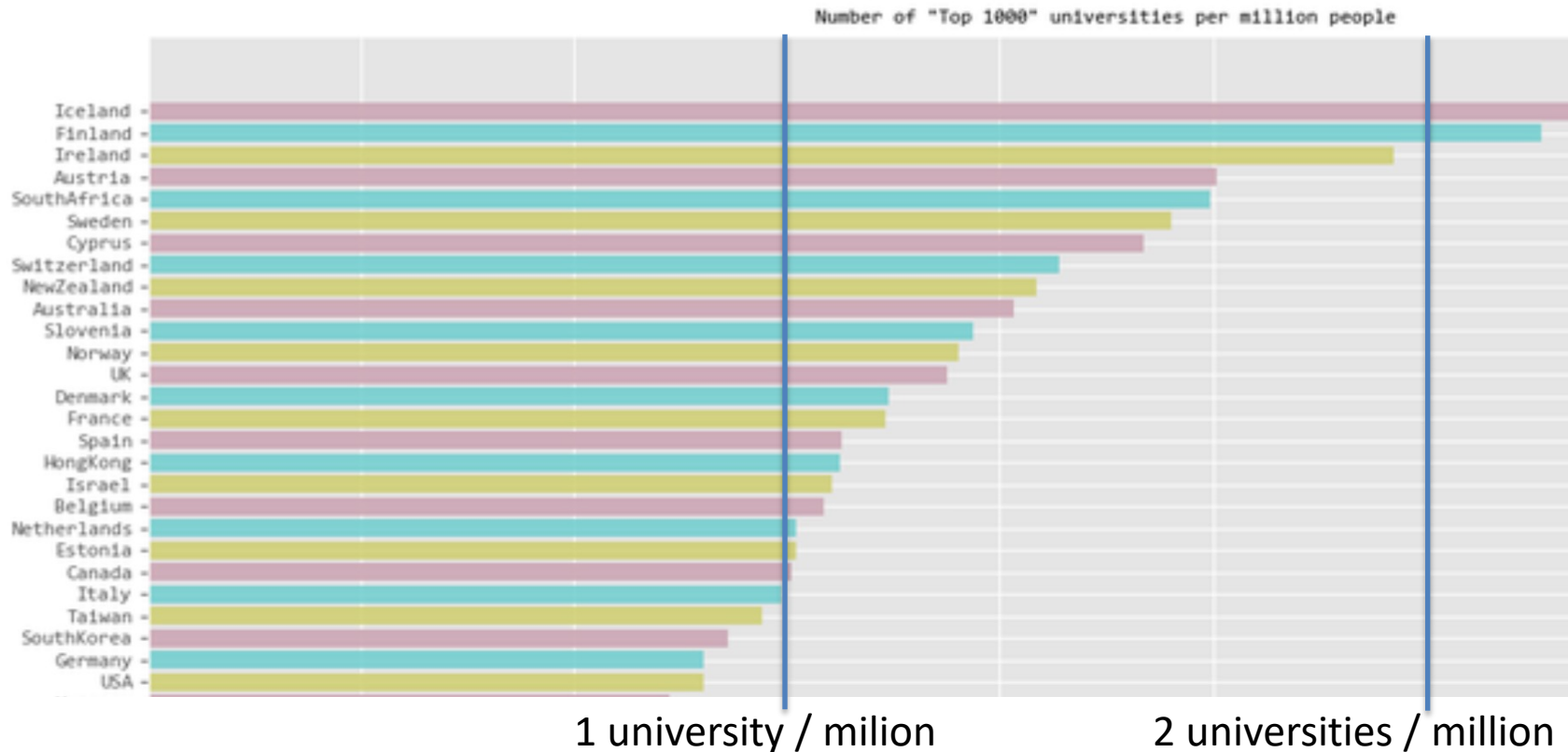
A Mediterranean climate: many sunny days and moderate temperatures.

Rank	Country	Quality of Life Index
1	Switzerland	188.36
2	Denmark	186.25
3	Netherlands	180.27
4	Finland	178.95
5	Australia	178.41
6	Iceland	177.64
7	Austria	176.36
8	Germany	175.24
9	New Zealand	173.60
10	Luxembourg	171.81
11	Norway	171.72
12	Estonia	171.16
13	Sweden	170.19
14	Oman	168.82
15	Slovenia	165.74
16	Japan	164.06
17	United States	163.60
18	Spain	163.48
19	Lithuania	160.29
20	Portugal	159.83



According to the **Quality of Life Index 2021 by Numbeo** Spain was ranked in the 18th position in the world, combining among the first twenty countries a **high index of health care (2nd) and climate (3rd)** and a very moderate **cost of living index (6th)** compared to other European countries.

Spain, 16th country with Top 1000 universities per million people (2020)



Ranked 13th per Gross Domestic Product (GDP) (IMF'19)

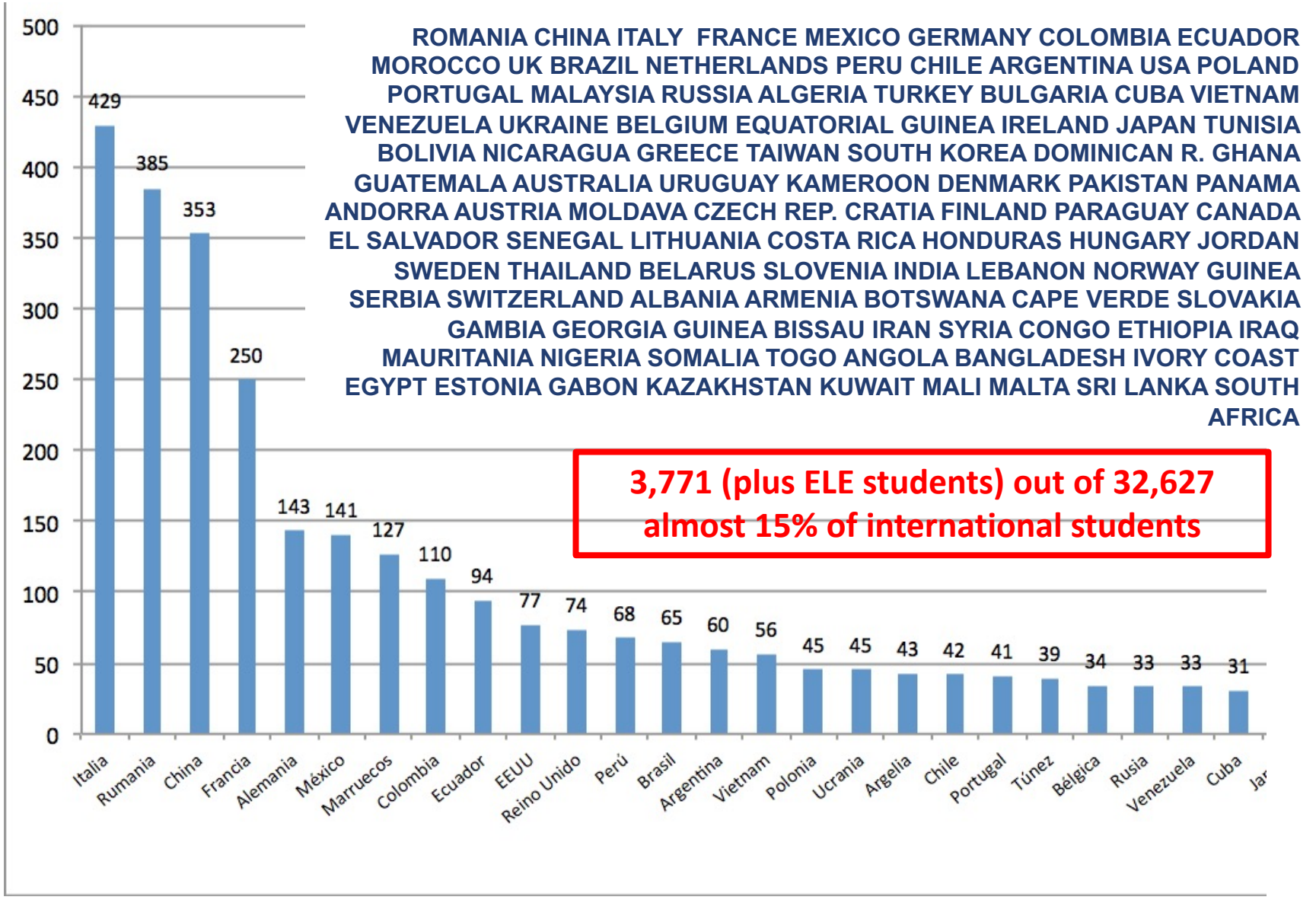
Studying at the University of Zaragoza means...

LEARNING A GLOBAL LANGUAGE, THE SECOND LANGUAGE IN THE WORLD BY NUMBER OF NATIVE SPEAKERS

1. Mandarin Chinese (908.7 million)
2. Spanish (442.3 million)
3. English (378.2 million)
4. Hindi-Urdu (329.1 million)
5. Arabic (290 million)
6. Bengali (242.6 million)
7. Portuguese (222.7 million)
8. Russian (153.9 million)
9. Japanese (128.2 million)
10. Western Punjabi (119 million)

+ 400 millions of Spanish native speakers in the world (2017), and almost 600 millions of potential speakers; +21 millions of students (SFL).





More than 3.300 international students from 100 countries chose the University of Zaragoza for degree, master, doctorate or Spanish studies , 2017/2018

Spanish as Foreign Language courses **[ELE]**

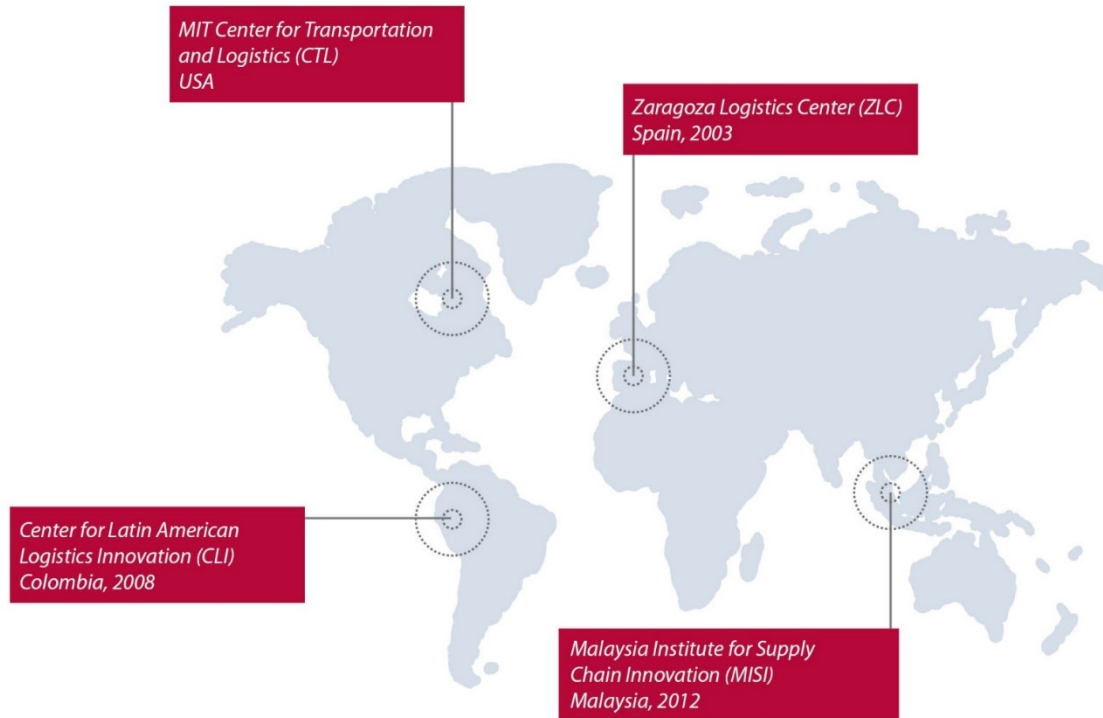
The oldest Spanish University teaching Spanish as foreign language (Jaca, 1927).

Since 2015 providing official accreditation from Instituto Cervantes: DELE, SIELE...



Year 2018-2019

593 students from 49 different countries (China, Italy, Vietnam, Germany, France, Japan, Russia, Malaysia, UK, ...)



A joint venture with the
Massachusetts Institute of
Technology and the
Government of Aragon



Master of Engineering in Logistics & Supply Chain Management (ZLOG)

Ranked #1 in the field of logistics 2018:

*- in the Ranking of the 4.000 best masters in the world by
Eduniversal*

-in the Ranking of the 250 Best Masters in Spain by El Mundo

PhD in Logistics and Supply Chain Management

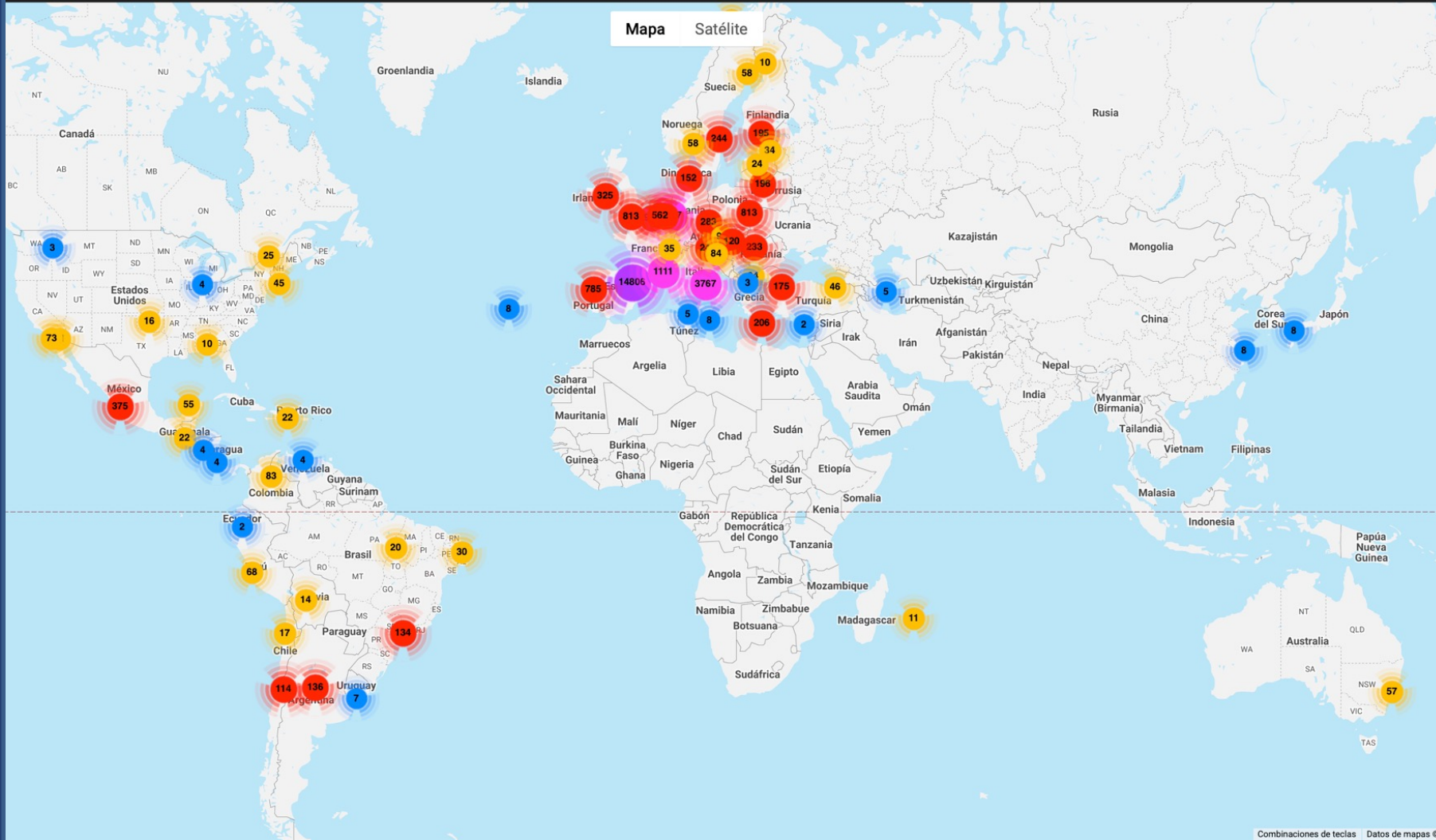
Executive Education

More than 500 International agreements (besides c. 2000 Erasmus + programmes)



search

MIS PROYECTOS PROYECTOS PÚBLICOS UNIZAR



Combinaciones de teclas Datos de mapas ©

Erasmus+ Studies (2020-21)

Incoming students

Country	Students
France	151
Italy	100
Germany	31
UK	23
Turkey	16
Portugal	15
Netherlands	11
Poland	10
Austria	10
Romania	9
TOTAL	395

Outgoing students

Country	Students
Italy	181
Portugal	77
Poland	50
Germany	49
Belgium	41
France	40
UK	28
Czech Rep.	27
Sweden	27
Austria	21
TOTAL	657

Erasmus+ Traineeship: 23 students (2020-21)

Key Action 1: Mobility of Individuals

- Staff mobility for teaching: 101 (2018-19)
- Staff mobility for training: 15 (2018-19)
- KA107 Easmus+ International credit mobility (Albania, Argentina, Chile, China, Cuba, Ecuador, Japan, Morocco)

Other Mobility Programmes

- Northamerica, Oceania and Asia (USA, Australia, Canada, China, Japan & Azerbaijan)
- Latin America (Argentina, Bolivia, Chile, Colombia, Costa Rica, Cuba, Guatemala, México, Perú, R. Dolinicana, Uruguay & Venezuela)
- International cooperation practices: 48 (2019-20)

2020-21

University of Zaragoza				
Students 20/21	Europe	North America- Oceania- Asia	Latin America	Total
Incoming	395	2	14	401
Outgoing	657	3	9	669

2019-20

University of Zaragoza				
Students 19/20	Europe	North America- Oceania- Asia	Latin America	Total
Incoming	791	14	172	977
Outgoing	1017	17	14	1081

Key Action 2: Cooperation among organisations and institutions (2018-22)

- **Strategic partnerships (24)**
- **SPORT: Not-for profit European Sport Events (1)**
- **SPORT: Collaborative Partnerships (1)**
- **KA220-SCH Cooperation partnerships in school education (1)**
- **KA220-VET Cooperation partnerships in vocational education and training (1)**
- **Capacity building in higher education (1)**

A member of the European Alliance UNITA Universitas Montium

The image features a map of Europe with red dots marking the locations of member universities. Above the map, the logos of these universities are displayed in a grid. The logos include: UNITA Universitas Montium; Universidade Beira Interior (Covilhã, Portugal); Université Savoie Mont Blanc; Università degli Studi di Torino; Universidad Zaragoza; Université de Pau et des Pays de l'Adour; and Universitatea de Vest Timișoara.

● COVILHÃ
● ZARAGOZA
● PAU
● CHAMBÉRY
● TURIN
● TIMISOARA

165.000 students & 15.000 staff

KEY FEATURES

- A commitment to contribute to the development of our societies and territories in an **European dimension**
- Located in **rural and cross-border mountain regions**
- Intend to actively use **Romance languages** in addition to English, thus enhancing linguistic diversity
- Share innovative and educational and research areas, especially in the fields of **Renewable Energies, Cultural Heritage** and **Circular Economy**

DOUBLE DEGREE PROGRAMMES

20 International **double programmes** with universities from Brazil, U.S., China, France, Italy and Germany



International Students' Welcome Event



**Confucius Institute at Zaragoza
University
inauguration, June 7, 2017**



**Instituto Confucio
Universidad Zaragoza**
西班牙萨拉戈萨孔子学院

Member of the Board of Trustees of the Spain-China Foundation (Foreign Affairs Ministry)

The image shows a screenshot of the website for the Fundación Consejo España China. At the top left is the logo with the text 'FUNDACIÓN CONSEJO ESPAÑA CHINA'. To the right are navigation links: 'La Fundación', 'Nuestros programas', and 'Eventos', along with a search icon. Below the navigation is a large photograph of a group of people in a meeting room seated around a long table. In the bottom left of the screenshot, there is a section titled 'Nuestro Patronato' with the text 'Empresas y entidades comprometidas con el desarrollo de relaciones constructivas con China.' To the right of the meeting photo is a grid of logos for various sponsors.

Nuestro Patronato
Empresas y entidades comprometidas con el desarrollo de relaciones constructivas con China.

alsa	AON	Ajuntament de Barcelona	MADRID	Santander	UNIVERSITAT DE VALÈNCIA
CaixaBank	esade	FUNDACIÓN GARRIGÜES	Gestamp	Fundación IGO	ie UNIVERSITY
indra	MONDRAGON	PROSEGUR	Real Madrid	Correos	FUNDACIÓN ESPAÑA
ti	Telefónica	Universidad de Valencia	Universidad Zaragoza		



Instituto Confucio
Universidad Zaragoza
西班牙萨拉戈萨孔子学院



南京工業大學
NANJING TECH
UNIVERSITY

Subject	Rank
Chemical Engineering	27
Nanoscience & Nanotechnology	41
Materials Science & Engineering	51-75
Chemistry	76-100
Energy Science & Engineering	76-100
Civil Engineering	101-150
Metallurgical Engineering	101-150
Mechanical Engineering	201-300



Instituto Confucio
Universidad Zaragoza
西班牙萨拉戈萨孔子学院



南京工業大學
NANJING TECH
UNIVERSITY

- ✓ BACHELOR AND MASTER EXCHANGE PROGRAM (1 SEMESTER)
FUNDED BY ERASMUS+ KA 107
- ✓ JOINT DEGREE (IN PROGRESS)
- ✓ JOINT PhD PROGRAM (SCHOLARSHIP FUNDED BY JIANGSU PROVINCE)
- ✓ JOINT RESEARCH CENTER: BIOMEDICAL, NANOSCIENCES, MATERIALS, CHEMISTRY
- ✓ III SINO-SPANISH RESEARCH AND INNOVATION FORUM
- ✓ CONFUCIUS INSTITUTE SUMMER CAMP



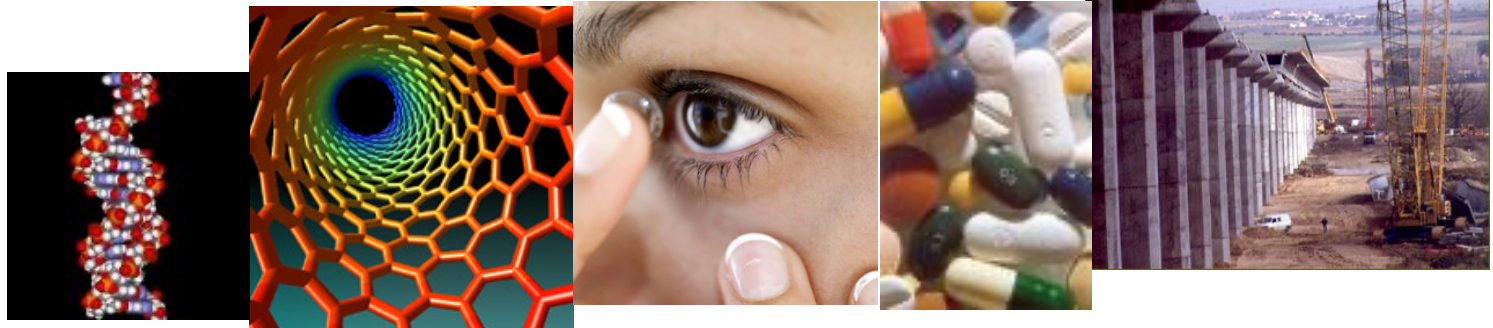
INTERNATIONALIZATION AT A FACULTY LEVEL



BACHELOR'S DEGREE PROGRAMS

4 Years

- BIOTECHNOLOGY
- CHEMISTRY
- GEOLOGY
- MATHEMATICS
- OPTICS-OPTOMETRY
- PHYSICS
- PHYSICS-MATHEMATICS (DP, 5 years)
- MATHEMATICS - COMP. ENG. (DP, 5years)



MASTER'S DEGREES

- ✓ BIOPHYSICS AND QUANTITATIVE BIOTECHNOLOGY (90)(*in English*)
- ✓ NANOSTRUCTURED MATERIALS AND NANOTECHNOLOGICAL APPLICATIONS (*in English*)
- ✓ PHYSICS OF THE UNIVERSE: COSMOLOGY, ASTROPHYSICS, PARTICLES AND ASTROPARTICLES (90)(*in English*)
- ✓ CIRCULAR ECONOMY (90)
- ✓ GEOLOGY: TECHNIQUES AND APPLICATIONS
- ✓ INDUSTRIAL CHEMISTRY
- ✓ MATHEMATICAL MODELLING AND RESEARCH, STATISTICS AND COMPUTATION
- ✓ MOLECULAR AND CELLULAR BIOLOGY
- ✓ MOLECULAR CHEMISTRY AND HOMOGENEOUS CATALYSIS
- ✓ PHYSICS AND PHYSICAL TECHNOLOGIES

Double programmes

UZ	Partner university
<ul style="list-style-type: none"> • <i>BSc in Mathematics</i> 	<ul style="list-style-type: none"> • <i>Licence de Mathématiques. Université de Pau et les Pays de l'Adour (France)</i>
<ul style="list-style-type: none"> • <i>BSc in Chemistry</i> • <i>MSc in Nanostructured materials and nanotechnological applications</i> • <i>MSc in Molecular Chemistry and Homogeneous Catalysis</i> • <i>MSc in Industrial Chemistry</i> 	<ul style="list-style-type: none"> • <i>Diplôme d'Ingénieur spécialité Chimie – Génie Physique, École Nationale Supérieure de Chimie de Biologie et de Physique/Bordeaux INP (France)</i>
<ul style="list-style-type: none"> • <i>BSc in Biotechnology</i> • <i>MSc in Biophysics and Quantitative Biotechnology</i> • <i>MSc in Molecular and Cellular Biology</i> • <i>MSc in Biomedical Engineering (Eng. School)</i> 	<ul style="list-style-type: none"> • <i>Diplôme d'Ingénieur de l'Ecole Nationale Supérieure de Technologie des Biomolécules ENSTBB/Bordeaux INP (France)</i>

Double programmes

- *Máster in Mathematical Modélisation, Statistics and Computing/Master Mathématiques et Applications, Université de Pau et les Pays de l'Adour (Francia)*
- *Máster in Physics of the Universe/Master Physique et Modélisation, Université de Cergy (Francia)*
- *Máster in Physics and Physical Technologies/Master Energies et matériaux avancés, énergies renouvelables, Université de Cergy (Francia)*

Erasmus mundus master (under study)

- *International MA Program in Environmental Studies, Tel-Aviv University (Israel)*
- *Applied Biotechnology, Vytautas Magnus University (Lithuania)*
- *Biophysics and Quantitative Biotechnology, University of Zaragoza (Spain)*

INCOMING STUDENTS

3 MSc taught in English

BSc in Mathematics: 6 modules taught in English

6 BSc / 7 MSc taught in Spanish (*English-language friendly*)

ENGLISH-LANGUAGE FRIENDLY

- ✓ Most modules
- ✓ Optional for English-speaking students
- ✓ Material in English
- ✓ Office hours in English
- ✓ Homework & exams in English



RESEARCH PROJECTS & INTERNSHIPS IN ENGLISH

COURSES OF SPANISH FOR FOREIGNERS

BUDDY PROGRAM

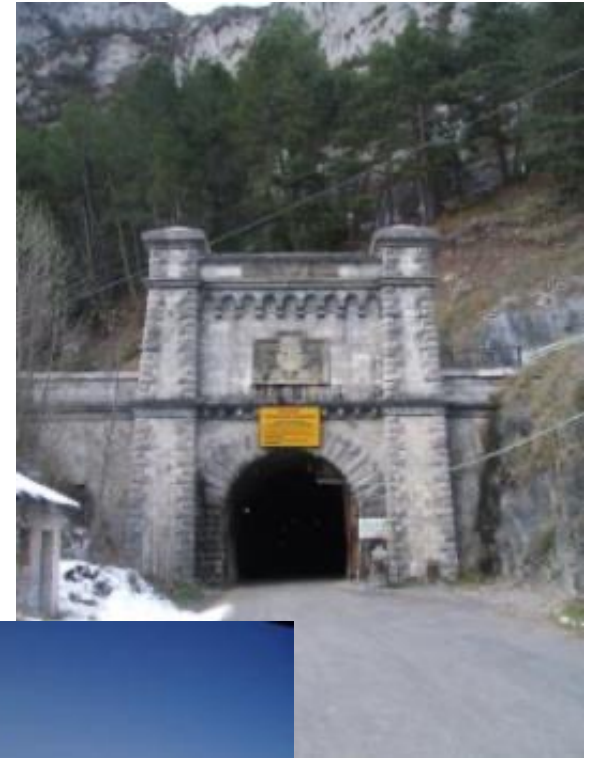
HIGH LEVEL RESEARCH

- More than 1.000 research papers per year
- In the top 200 in Natural Sciences & Mathematics (2016 ARWU)
- Seed of several RESEARCH INSTITUTES



Canfranc Underground Laboratory

- Founded by the research group in Nuclear and Astroparticle Physics
- Under the Pyrenees
- Dark matter detection
- 17.000 ft



INTERNATIONALISATION PLAN

SL1. Internationalise the Faculty of Sciences

- 01.** *Promote a culture of internationalization in the Faculty of Sciences*
- 02.** *Establish strategic alliances with foreign universities*
- 03.** *Introduce the international dimension in the academic offer*
- 04.** *Promote Internationalization at home*
- 05.** *Increase the external projection of the Faculty of Sciences*

SL2. Internationalise people

- 06.** *Promote the development of language skills*
- 07.** *Increase the international mobility of the groups of the Faculty*
- 08.** *Attract international students*

SL3. Form global, committed and solidary citizens

- 09.** *Promote participation in university cooperation actions and projects by development and volunteering with international groups in need*
- 010.** *Dissemination and awareness of the need for sustainable development*

80 specific actions + indicators

Facultad de Ciencias Universidad Zaragoza

ES EN Directorio Correo electrónico Contacto Mapa del sitio

Buscar...

C/ Pedro Cerbasa, 12 - 50009 Zaragoza seccien@unizar.es +34 976 761 294

Facultad Asuntos Académicos Investigación Relac. Empresas-Prácticas Externas Proyección Social Calidad Servicios Prevención

Useful information

Última modificación: 25/01/2022 - 10:46

- Admission
- Before arrival
- Accommodation
- Spanish courses
- Orientation
- Buddy pair
- Students associations
- Sports
- Urban transport
- Tourism and culture
- Miscellany



Photography exhibitions

Photo contests
*"International mobility:
changing lives, opening minds"*



¿Que pasa en Ruanda?
Pregúntaselo a las bicicletas



Exposición Fotográfica
Del 10 de marzo al 30 de Abril de 2022
Hall del Edificio D (Químicas). Facultad de Ciencias

The Faculty with the SDG



- **1st week:** Know the SDG: What is its context? Why is it important? What are its goals? and how can we help? An explanatory video of that SDG will be included. A simple survey is launched to assess the degree of involvement with this SDG.
- **2nd week:** Know 10 of the challenges that science has with each SDG.
- **3rd week:** One or two videos of actions that people linked in some way to our center have carried out in relation to each SDG.
- **4th week:** Dissemination of the survey results.

Development Cooperation

Recycling of used glasses



Project works and traineeships



Saharawi refugee camps



Saharawi refugee camps

- *Course on the detection of visual problems in children at the Ahmed Abdel-Fatah Nursing School of the University of Tifariti*
- *Training course in pediatric optometry and vision therapy for optometrist technicians*



III INTERNATIONAL SCIENCE AND TECHNOLOGY WEEK IN ZARAGOZA

July 1-5, 2019

FACULTY OF SCIENCE AND SCHOOL OF
ENGINEERING AND ARCHITECTURE
UNIVERSITY OF ZARAGOZA

Ranked among the top 200 world-class universities
for Natural Sciences & Mathematics (ARWU 2016)

The International Science and Technology Week of the University of Zaragoza (ISTWZ) is a **free** program of activities for foreign science and technology students. It includes technical presentations, visits to labs and research institutes, science and technology related activities, cultural activities, tours of the city and an excursion to the Pyrenees.

**Enjoy Science and
Technology, discover
Zaragoza and meet
students from
around the world !**

Deadline for applications is May 20th

<https://eventos.unizar.es/34627/detail.html>

International Science and Technology
Week in Zaragoza (ISTWZ)





Facultad de Educación
Universidad Zaragoza

ES EN

Directorio

Correo electrónico

Contacto

Mapa

Buscar...



Pedro Cerbuna, 12

educacion@unizar.es

+34 976 761 301

Inicio

La Facultad

Profesorado

PAS

Estudiantes

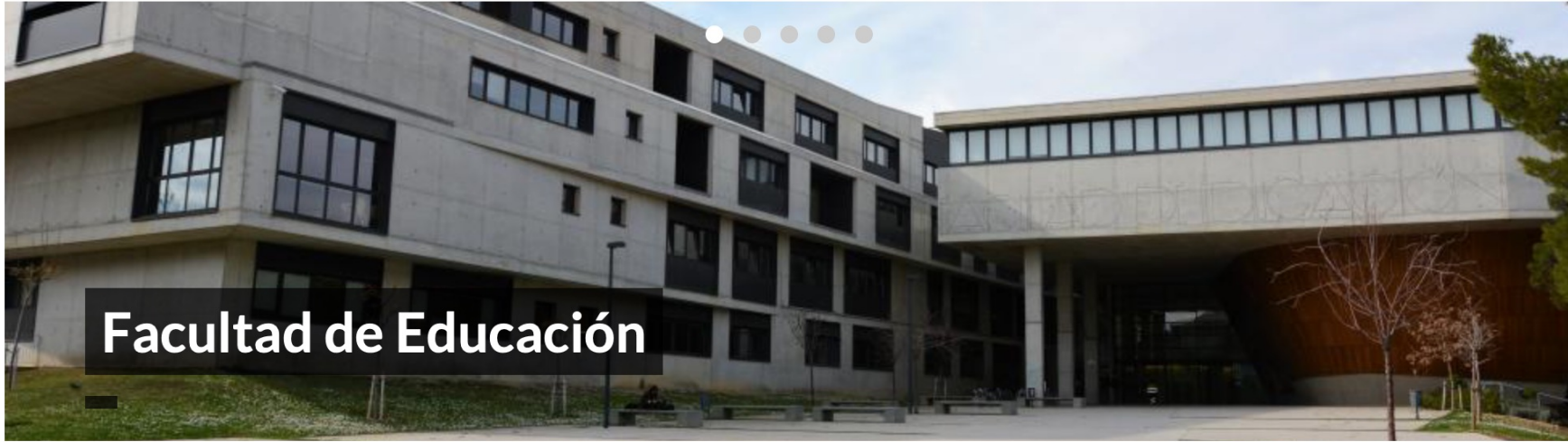
Servicios

Información administrativa

Movilidad

Normativa

Proyeccion social y cultural



BACHELOR'S DEGREE PROGRAMS

4 Years

- TEACHER TRAINING (EARLY CHILDHOOD EDUCATION)
- TEACHER TRAINING (PRIMARY EDUCATION)

MASTER'S DEGREE PROGRAMS

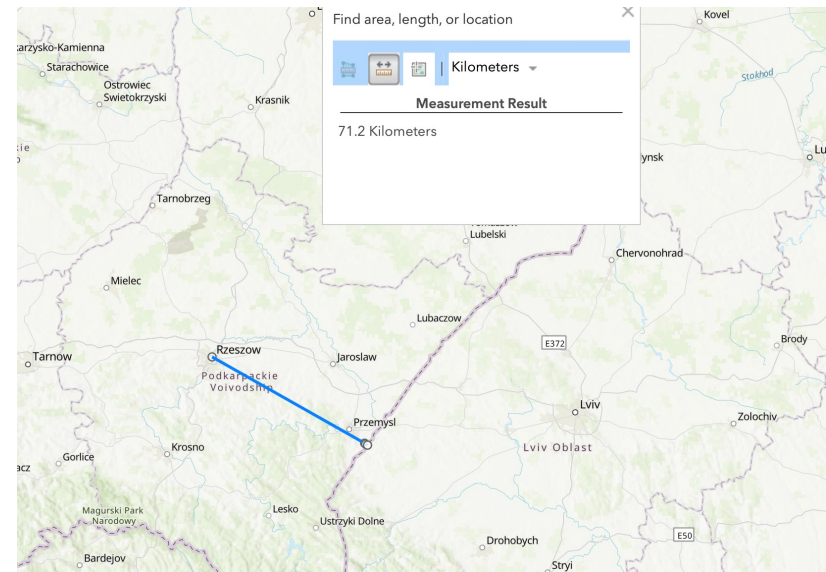
1 Year

- TEACHER TRAINING (SECONDARY EDUCATION)
- EDUCATIONAL SCIENCES RESEARCH

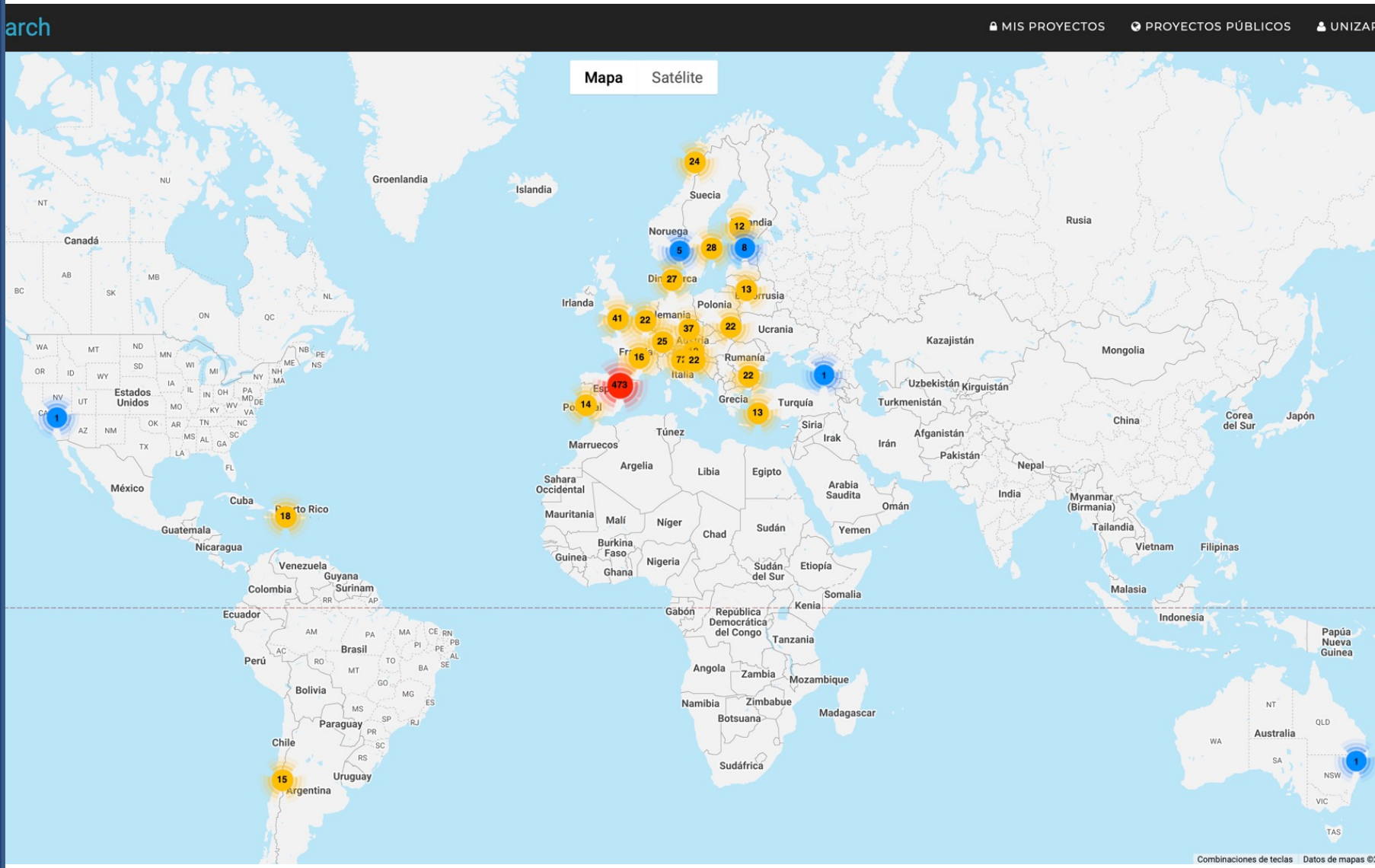
PhD PROGRAM IN EDUCATION = EdD

STRUCTURAL DIFFICULTIES TO INTERNATIONALISATION IN EDUCATION PROGRAMS

- ✓ BACHELOR 4 + MASTER 1 VS BACHELOR 3 + MASTER 2 (EU)
- ✓ QTS AND LEGAL PROFESSIONAL RECOGNITION
- ✓ INTERNSHIPS AND SCHOOL CURRICULUM
- ✓ VOCATIONAL TRAINING TEACHER EDUCATION
- ✓ MOBILITY IN UNCERTAIN TIMES
 - COVID
 - BREXIT
 - UKRAINE'S WAR
 - CAR ACCIDENT
 - SAHARA CONFLICT



HOWEVER...



NATIONAL MOBILITY - SICUE

INTERNATIONAL MOBILITY

- ERASMUS+: 53 AGREEMENTS, MORE THAN 120 STUDENTS
- ERASMUS+ INTENSHPIS IN EU SCHOOLS.
- UNIVERSA AGREEMENTS: INTENSHPIS IN WORLDWIDE SCHOOLS.
- NORTH AMERICA: NJCU, SAN DIEGO, OKLAHOMA
- PACIFIC: SIDNEY
- LATIN AMERICA (MEXICO, DOMINICA REPUBLIC, PERU, COLOMBIA, CHILE, ARGENTINA, ECUADOR): 15 AGREEMENTS, 30 STUDENTS
- AID TO DEVELOPMENT AND COOPERATION INTERTNSHIPS
- US AU PAIR PROGRAM (EDUCATION FIRST)
- ERASMUS+ EDUCATIONAL PROJECTS (LTT, ME)



© 2017 Google
Map Data © 2017 AND Kerkyra
US Dept of State Geographer
© 2017 Basarsoft







Au Pair Reflections

I signed up for a Computer Science course at Princeton University, because I was curious. I quickly learned that it fascinates me to create my own computer programs, and I decided to make it my career. Back home, I applied for an undergraduate program in Computer Science and they accepted me right away. They told me they were impressed by the fact that I had a class from Princeton on my CV!

- Verena, au pair from Germany





Inclusion and diversity



Digital Erasmus+



Green Erasmus+



MY-GEO



GEOLAND



YouthMetre

More than 10 projects, more than 50 partners in school education, higher education, adult education, vocational training (LTT, ME)



School on the Cloud



GoDigital

DIGITAL EDUCATION, EDUCATION FOR SUSTAINABILITY

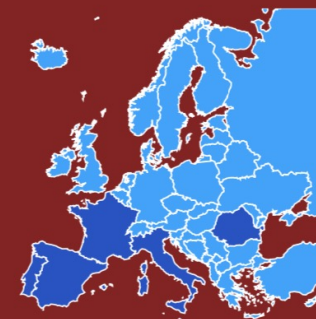


Focus group of Students in Padua



Focus group of Students in Zaragoza

Workshop program



DIGITAL LEARNING

November 22-23, 2021
10AM to 1PM (CET)

Online sessions - in English
Links - to be announced



[CLICK HERE](#)
FOR REGISTRATION

- DAY 1

Conceptual Framework
to the five basic
Edu: an overview

al Resources and Open
higher education

l approach to soft skills

23rd NOVEMBER, 2021 - DAY 2

10 AM - Empowering Learners (one of the Educators' pedagogic competences): Good practices in the context of Social Sciences at UNIZAR

11 AM - Automatic Formative Assessment

12 AM - How to organise courses and seminars in Moodle in an attractive way

Last, but not the least



Thank you very much
for your attention