

ERASMUS+ EULA GTEC

KICK OF MEETING

MAR DEL PLATA 26 - 28 MARZO 2018

**PRESENTACION DE LA UNIVERSIDAD
AUTÓNOMA DE BARCELONA Y SU EQUIPO
SOCIO NÚMERO 2 Y WP 2**



Universitat Autònoma
de Barcelona

- The Universitat Autònoma de Barcelona (UAB) is a generalist campus-based University, hosting an overall amount of 42.840 students (2015-16) among graduate, postgraduate, master and doctorate students. The UAB plays a worldwide leading role in scientific research and its wide range of disciplines, in both education and research, indicates its multidisciplinary approach.
- The UAB holds a leading position in the most prestigious and influential international university rankings and, in recent years, this award has been complemented by the growing impact of the research, the constant improvement of the quality of teaching and the ability to attract international talent to the university. This progress has been decisive in moving upward to leading positions in different rankings: UAB is the second-ranked university in Spain according to the QS Ranking 2016/2017 and located at position 203 in the world ranking (and 89 in Europe) of the 500 World's Best universities. The UAB's commitment to internationalisation is reflected in its agreements with universities of all over the world, whose aim is to facilitate exchanges and joint projects for students and researchers.

- The university, according to its internationalisation strategy, has recently created the International Projects Office, which brings specialised support to the researchers in the preparation, implementation and economic justification of projects. In the field of research, the UAB has so far been a partner in 168 projects of the 7FP, acting as the coordinator for 16 of them and received more than 44 million Euros of funding.
- The UAB is currently hosting 9 excellent projects funded by the European Research Council (ERC Starting and Advance Grants) and, regarding the Marie Curie Action, it is the first Spanish university in number of projects and has already hosted 33 Marie Curie fellows. UAB has participated in more than 114 International research projects outside the 7FP (DG EAC projects, LIFE, CORES, ESF, ESA, NATO etc.).
- Regarding Erasmus+ projects, the UAB coordinates an *Erasmus Mundus Joint Master Degree* (GLOBED), a *Capacity Building project in the Field of Higher Education* (ORACLE) and five *Strategic Partnership* and for the period 2014-16, participates, as a partner, in 30 Erasmus+ projects.

UAB ROLE AND UAB TEAM INVOLVED IN EULA-GTEC

- The main role of UAB will be to act as co-leader in the Work Package 9, devoted to the whole management of the project, based on its important experience in European projects, particularly in Erasmus⁺ projects, as described above.
- Furthermore, **UAB will be the leader of the Work Package 2**, and will assist as co-leader in Work Package 8. The wide UAB's experience will contribute to the design and implementation of the master degree, through its qualified staff of teachers and researchers.

Related assumptions and risks (WP2)

1. Report of baseline for curricular design already done.
2. Report with the identification and profile of possible targeted students already done.
3. Report of possible e-services for experiential learning and for providing Tech & Innovation
4. Management services to SMEs already done. (No delay in deliverables from WP1).

UAB TEAM

Prof. José Luis Briansó

(UAB project leader and crystallography)

Prof. Amanda Alonso

(environmental technologies and technology transfer)

Prof. Ricard Esparza

(circular economy, science and innovation policy)

Dr. Iván Martínez

(UAB RTD manager)

Dr. Gustavo Pérez

(environmental technologies and projects manager)

Dr. Oscar Prado

(SME-UAB: environmental technologies and technology transfer)

SHORT CV OF Prof. José Luis Briansó:

Full Professor at UAB (1975). PhD in Geology Structural Crystallography (1972)
Author of about 130 scientific publications in SCI journals (Crystal structure determination, LA Policies and Environment).

Former Scientific Officer of EC-DG12 (1988-1992): International scientific cooperation with LA

Scientific Counsellor for Technological Policies (2006 until end of 2008) of the Ministry for Education and Science (Spain),

Scientific Adviser of the Office for Science and Technology of the Presidency of the Spanish Government from its foundation to 2002.

Representative of Spain in the Management Committee of Program INCO (IV Framework Programme 1994-1999), NCP for FP5-INCO (1999-2002).

CYTED price in Innovation (Lima 2005)

Consultant of several SMEs (Spain and UK) in the sector of environmental engineering and pharmaceutical companies.

Scientific evaluator of EC projects (from FP5 to FP7): INCO-REGPOT-WIDESPREAD.

- Prof. JL Briansó has large experience in coordination of several EU projects. Recent projects with LA countries include: EC- UNIND-LAM ICA4-2001- 10165, EC- UNIVEMP-LAM ICACT-2006-518698. EC- UEMEXCYT-2 (2008–2011), EC- FONCICYT (2009-2011), EC-EULASUR (2010-2013) EC- EUCARINET (2011-2014), EC-STRAVAL (2011-2015), EC-EULANETCERMAT (2012-2016) etc. Uncharged, as expert, by CREST-Emergent Economies (BRIC) of the report of Brazil S&T (2008), and the overview of the results of the EU-Mexico S&T Agreement (2006-2010), and suggestions and recommendations for the new agreement (2011–2015), by INCO programme.
- Six bilateral and EC projects with Morocco and Tunisia, from 2000 to 2012 in the sectors of Cultural Heritage (AECID: Monuments) and Environment (EC TOXMET / SOWAEUMED: Water and Soils pollution control). Coordinator of EC-People-RISE of acronym Geopark project (2015-2018) for WP1 (Geology, Biodiversity and Pollution). He will assist project co-ordinator in the ERASMUS GTEC

Short CV of Dr. Gustavo Pérez, PhD. in analytical chemistry, research in inorganic pollutants distribution, mobility and persistence, treatment of heavy metals polluted effluents derived from mining industry. Valorization of mine liquors. Pilot plant scale-up. Implementation of nanotechnology based solutions in pilot plants for wastewater treatment. Project manager of several FP5,6,7 projects (INCO, PEOPLE, NMP and ENV) where UAB participates or has participated EULANETCERMAT, STRAVAL, UNIVEMP-LAM, UNIND-LAM, EUCARINET, ANTHROPOL.PROT, EULASUR, DIMDESMOTOM, SOWAEUMED, SUDSOE, FP4BATIW.

Short CV of Prof. Ricard Esparza, He holds a Bachelor of Science in Economics by the Autonomous University of Barcelona (2009), a Master of Science in the Economics of Science and Innovation by the Barcelona Graduate School of Economics (2010), a Master of Science in Specialised Economic Analysis by the Pompeu Fabra University (2012), and a Doctorate in Business Economics by the Technical University of Catalonia (2014). Ricard Esparza Masana is a research fellow and professor at the Autonomous University of Barcelona since 2010. Beside his academic activities, he was the head of department for international innovation projects (PRUAB) at the university from 2010 to mid-2016. He has been in charge of several European and international projects in the fields of innovation and technology transfer. His research focuses on science and innovation policy, policies for industrial development in Europe, and design of mechanisms and innovation strategies and

Short CV of Prof. Amanda Alonso, I am currently working as a Post-doctoral researcher at the BIO-GLS Group from the Chemical Engineering Department of the University of Barcelona UAB, Assistant Professor and Project Manager of the group. My background is based on the development and characterization of nanomaterials for environmental applications such as nanocomposites for water remediation, bactericide applications and gas adsorption and catalysis with wide experience in microscopy technologies and synchrotron facilities. Furthermore, due to my experience in technology transfer and management of R+D+i in the Research Park Foundation of UAB (PRUAB), I am supporting the management of R+D+I projects from the BIO-GLS group at national and international level highlighting the experience on managing projects under the H2020, LIFE+, Eco-innovation and Spanish Ministry. Currently, we are participating in 2 projects under the H2020 program, 1 LIFE+ and 2 from the Spanish Ministry as well as several collaborations with large companies.

Short CV of Dr. Iván Martínez, Bachelor in Biological Sciences and Ph.D (From UAB) in Biology. Research manager and responsible for the Strategic Projects Area in Universidad Autónoma de Barcelona. He has participated in several projects funded by EC Framework Programs, such as: Unind-Lam (Academy-Industry) Project with LA, UNIVEMP-LAM (Academy-Enterprises) project, EulaNetcermat (Project in Advanced ceramic materials) and others.

Short CV of Dr. Oscar Prado, AERIS Ltd and UAB (Dr. Prado replaces Prof. Blanca Vila retired) Dr. Oscar Jesus Prado-Rubianes holds a Degree in Oceanography (University of Vigo, Spain, 1999) and a PhD in Environmental Science and Engineering with Extraordinary Quality Award (University of A Coruña, Spain, 2006). His wide research interests cover the effect of environmental parameters on the development of organisms, the clean production and seizing of energy from renewable sources and the purification of waste waters and industrial off-gases by means of biological technologies. In these fields he has published more than 30 peer-reviewed research documents. Since 2009 he manages the environmental company Aeris Tecnologias Ambientales, based in Barcelona, Spain.

WP2 (UAB and AMU)

Implementing Curriculum Design. From March 2018 to April 2019

TASKS DESCRIPTION:

Development of the curricular design of the master programme in technology and innovation management, with an e-learning strategy, and design of suitable online tools.

SPECIFIC TASKS

- a) Discussion on competence building and innovation models. *Meetings: one in Barcelona for EU partners, one in Sao Paulo for LA members, and one virtual meeting between the two groups, involving all participants. Cofinancing staff costs. Participants (staff members): 2 AMU; 2 UNIBO ; 2 UAB ; 2IUL; 2 UNLU ; 2 UNMDP ; 2 FUSP ; 2 PUCP ; 2 UFRN ; 2 PUCH. Task responsible: UAB and FUSP.*
- b) Curricular design of the master programme. *Participants (staff members) : 1 UNIBO ; 1 UAB ; 1 IUL ; 1 UNLU ; 1 UNMDP ; 1 FUSP ; 1 PUCP. Task responsible: UAB.*
- c) Designing of on-line tools (experiential learning, simulation based training, groups of collaborative learning, performance assessment tool for auto-evaluation). *Cofinancing staff costs. Meeting in Lisbon. Participants (technical staff members) : 1*

TASKS - 2

d) Research and elaboration of gaming tools, in partnership with firms from EU and LA. Use of IT platform for performing the task. *Participants (technical staff members): 1 AMU; 1 UAB; 1 UNLU; 1 FUSP. Task responsible: FUSP.*

e) Workshop (Luján, Argentina) for the elaboration of teaching materials, including 30 SME leading cases from LA and EU, 10 of them on innovations for circular economy. *Cofinancing staff costs. Participants (staff members): 1 AMU; 1 UNIBO; 1 UAB; 1 IUL; 1 UNLU; 1 UNMDP; 1 USP; 1 PUCP. Task responsible: UNLU.*

f) Applications for the approval and/or accreditation of the master degree with educational authorities. This task will be carried out in the three LA countries. *Cofinancing administrative staff. Participants (administrative staff members) : 1 UNLU ; 1 UNMDP ; 1 USP ; 1 PUCP ; 1 PUCH ; 1 UFRN. Task responsible: in each country, the responsible institution for accreditation will be UNLU (Argentina), FUSP (Brazil) and PUCP (Perú).*

LEAD ORGANISATIONS FOR WP 2 : UAB (E) and AMU (F)

PARTICIPATING ORGANISATIONS: UAB; AMU; UNIBO; IUL; UNLU; UNMDP; FUSP; PUCP; PUCH; UFRN. In tasks a) and b), the associated partners (MINCYT, SENAI and INTA) will be involved. In task d) the project will count on the participation of private firms, one of them already an associated partner (Mis Ladrillos, Argentina).

DELIVERABLES (DEAD LINE OF DELIVERABLE)

- a) Report on competence building and innovation models. (14-09-2018)
- b) Master programme curricular design. (14-12-2018)
- c) On-line tools (experiential learning, simulation based training, groups of collaborative learning, performance assessment tool for auto-evaluation). (14-03-2019)
- d) Gaming tools. (14-03-2019)
- e) Teaching materials (including 30 LA cases). (14-11-2018)
- f) Approval and/or accreditation of the master degree with educational authorities. (14-06-2019)

DELIVERABLES

- ✓ Report on competence building and innovation models.

Prof. JL Brioso, R. Esparza, A. Alonso, Dr Martínez and Pérez

- ✓ Master programme curricular design.

Prof. JL Brioso, R. Esparza, Dr O. Prado and G. Pérez

- ✓ On-line tools (experiential learning, simulation based training, groups of collaborative learning, performance assessment tool for auto-evaluation).

Dr G.Pérez and I. Martínez

- ✓ Gaming tools.

- ✓ Teaching materials (including 30 LA cases).

- ✓ Approval and/or accreditation of the master degree with educational authorities. (All UAB team)

MUCHAS GRACIAS

OBLIGADO

GRAZIE MILLE

MERCI

THANKS A LOT



Universitat Autònoma
de Barcelona



INTRODUCTION TO AMU

AIX MARSEILLE UNIVERSITY

Aix-Marseille University officially opened on January 1st 2012, replacing the University of Provence, University of the Mediterranean and Paul Cezanne University. Today, as well as being one of the youngest universities in France, it is also the largest in terms of its student body, its faculty and staff and its budget in the whole of the French-speaking world. These factors combine with the remarkable results already achieved in teaching and research to make Aix-Marseille University a top class higher

Aix-Marseille University enrolls about 74,000 students, including more than 10,000 international students from 128 different countries. The university, with its wide range of general and vocational courses including 600 degree courses, offers teaching in fields as varied as the Arts, Social Sciences, Health, Sport and Economics, Law and Political Sciences, Applied Economics and Management, and Exact Sciences such as Mathematics, Data-processing, Physical Sciences, Astrophysical Sciences, Chemistry and Biology. Its 132 recognized research units and 21 faculties make it a centre of international excellence in social and natural sciences. With more than 500 international agreements, the university participates in the creation of European area of education and research and in the development of mobility. A policy in the direction of Asian countries has led to increase its enrollments of excellent international students. Programmes in French and/or English have been organized in order to favour the welcome and the integration of international students,

TEAM OF AMU (AIX MARSEILLE UNIVERSITY)

AMU (Aix-Marseille University) Prof. Angela Barthes, Full University Professor in Education (2014), PhD in Sciences, territorial development and is specialized of educational processes in emergence of labelled territories. She is involved in the scientific committee of GHP (Geopark Haute Provence in Digne les Bains) and in all the educational aspects of the proposal. Membre de ADEF. Research: Knowledge and educational issues in the development of rural territories Key words: Education for sustainable development, Environmental education, Heritage, Territorial Education, Rural Schools, Education and Rurality, Knowledge Transfer and rural development (Protected areas, Geo parks, Terroirs) Theoretical Frameworks: "Educations à", Socially Vivid Questions, Social Representations Land: Mediterranean surroundings: France, Morocco, Slovenia. Participation in Scientific Review Committees: Environmental Education, UQAM, Montreal, Quebec; Vertigo, Science Environment, UQUAM, Montreal, Quebec; Environmental education research, Bath, UK; Journal of social sciences of education, Bielefeld, Germany

Prof. Yves Alpe (M) is Full University Professor in Education, PhD in sociology.

Prof. Jean-Marc Lange (M): Full University Professor in Education, PHD in Biology, member of CIVIIC, University of Rouen.

Prof. Bruno Garnier. (M) Professor of First Class University (Education) and PhD in Humanities. Member of l'ISCHE (International Standing Conference for the History of Education).

Dr. Sylviane Maximin, (F) PhD in Heritage Education and collaboration, involved in scientific committee of Alpes de Haute-Provence géoparc, and in the Educational aspects of the proposal.

Dr. Nathalie Richit, (F) PhD in Education.

Mr. Olivier Boiteau (M) Specialist in links between formal education and non formal education (from primary schools to university) especially in protected areas.

Dr. Sandrine Alinat (F) Maitre de Conferences. Integrated management of rural areas, sustainable development Sustainable Rural Tourism Mediterranean agricultural landscapes Peri-urban landscapes and stakeholder strategies Education for Sustainable Development Participatory mapping,

**MERCI
ANGELA
BARTHES**