



الجامعة الأورومتوسطية بفاس
EURO-MEDITERRANEAN UNIVERSITY OF FES
UNIVERSITÉ EURO-MÉDITERRANÉENNE DE FÈS

PRIMA EVENT

Sevilla, March, 2018

www.ueuromed.org

José Manuel Roldán
EUROMED UNIVERSITY OF FES

Background

June 2012

The UEMF is labeled by the 43 member countries of the Union for the Mediterranean

November 2012

The UEMF is placed under the High Honorary Presidency of Mohammed VI, the King of Morocco

Mission

1. **Regional Integration** promoting intercultural dialogue, exchange and cooperation within the Euro-Mediterranean region with extension to Sub-Saharan countries

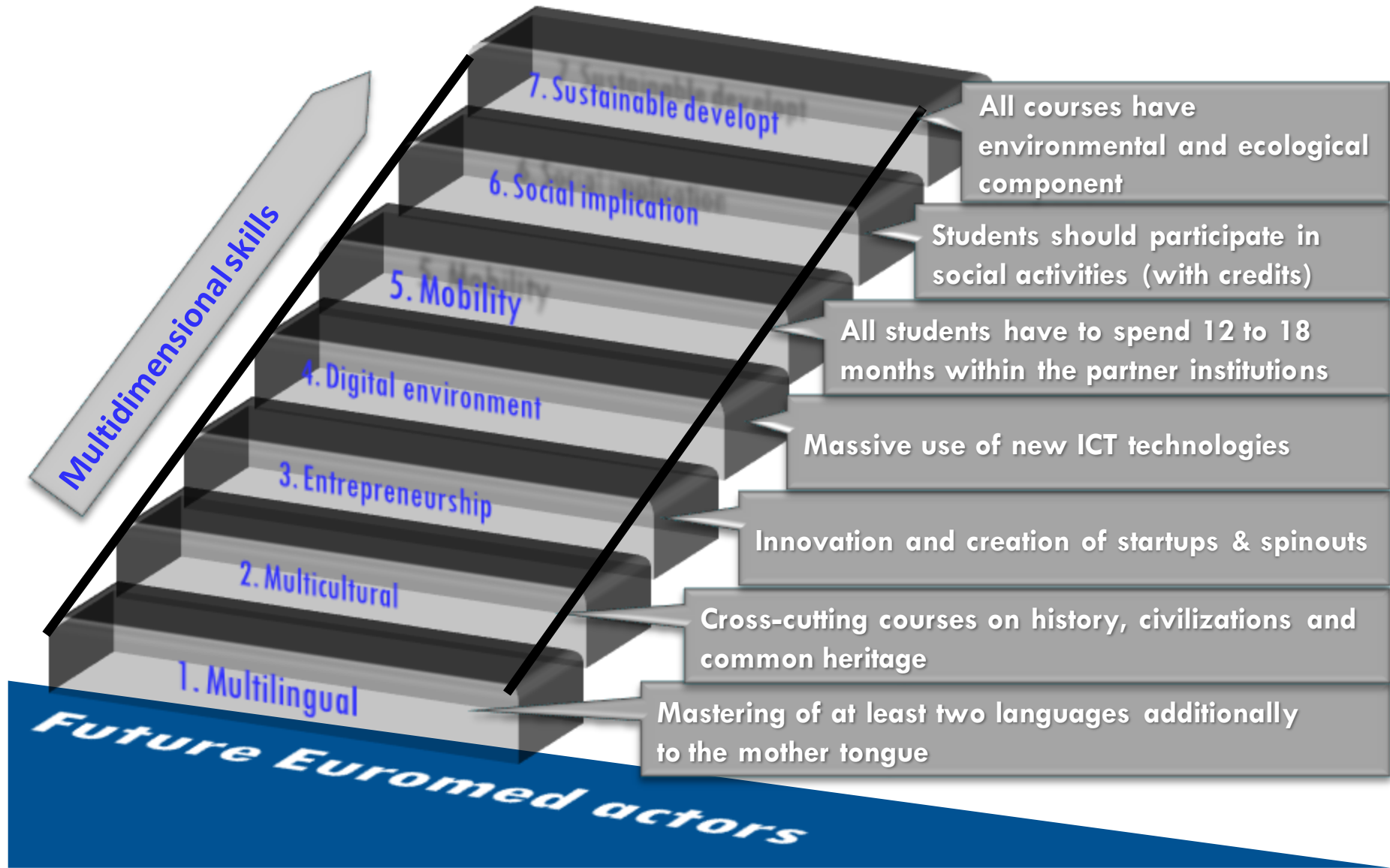
→ *Construction of a zone of peace, co-development and shared prosperity*
2. **Promoting gender balance and social inclusion** in the whole region
3. **Excellence in** higher education, research and innovation with a focus on the needs and challenges of the Region
4. **Innovation and wealth creation:** transfer of technology and know-how, creation of spinouts & start-ups creation & placement of students.

Core Values of the University

- 1. Openness :** Inclusive, moderation, tolerance & sharing
- 2. Equality:** of opportunities and gender, non discrimination
- 3. Free & critical thinking:** Multicultural & multidimensional literacy
Rational approach & critical spirit
- 4. Evaluation:** Recognise and reward excellence (Top-down and bottom-up process)
- 5. Social responsibility:** 20% of scholarships for merit based on :
 - i) excellent students from low-income families
 - ii) top-students independently of the family income.
 - iii) Free tuition fees for Ph.D students, plus scholarship 5-8 kDh to cover the living cost

Post-doc: 16-22kDh

Euro-Mediterranean skill: 7 pillars



Academic Structure

POLE OF HUMANITIES AND SOCIAL SCIENCES (HSS)

POLE OF ENGINEERING AND ARCHITECTURE

Euro-Mediterranean Faculty of HSS

Institute of Advanced Studies on EUOMED Legal & Political Sciences & International Relations

Institute of Advanced Studies on EUROMED Economics and Management

L
M
D

EUROMED RESEARCH INSTITUTE

S.H.S

Eng.

CENTER FOR VALORISATION, TRANSFER AND PROFESSIONAL INTEGRATION

L
M
D

EUROMED Faculty of Engineering

INSA Euro-Méditerranée

EUROMED School of Architecture & Urbanism

EUROMED School of Civil Engineering

Cross-cutting Education

Languages

Euromed History, Civilisations & Heritage

ICT

Entrepreneurship

International Mobility

Social Responsibility

Sustainable Development Fingerprint

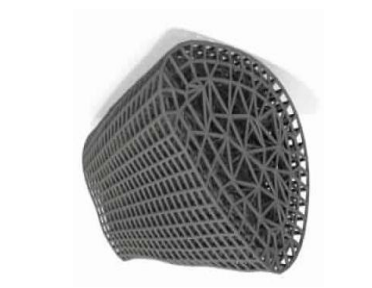
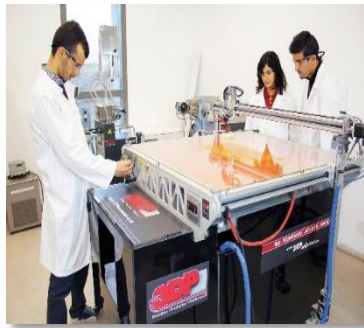
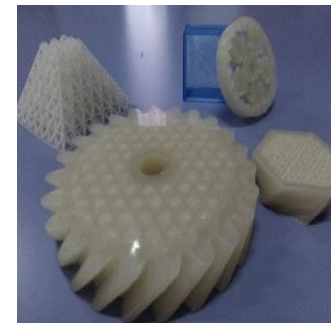
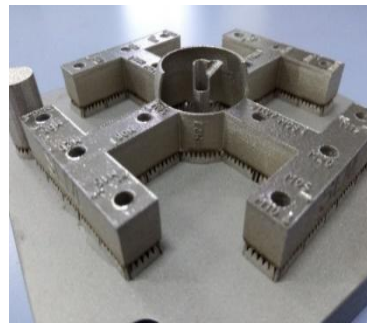
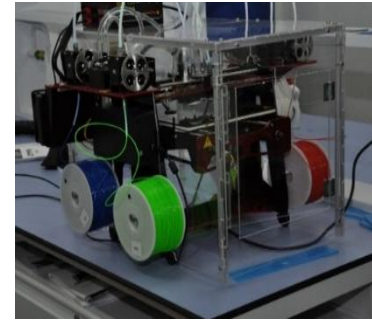
EDUCATION FACILITIES



RESEARCH FACILITIES



RESEARCH FACILITIES: ADDITIVE MANUFACTURING



ECO-CAMPUS

Labelled by COP 22



UEMF Eco-campus

- Renewable energies
- Reuse of rain water
- Treatment of waste
- Isolation
- Natural luminosity and cooling-heating
- Local materials



Partnerships

Institutional

International



Union pour la Méditerranée
Union for the Mediterranean
الإتحاد من أجل المتوسط

National



Regional



Academic

GROUPE INSA
Institut National des Sciences Appliquées

INSA Euro-Méditerranée
1er Institut Euro-Méditerranéen de Technologie
Co-construction et co-développement par l'UEMF et le groupe INSA en partenariat étroit avec un consortium d'Universités Euro-Méditerranéennes de premier plan

Consortium: Morocco, Spain, Portugal, Italy and Tunisia

Université Mohammed V
Agdal Rabat

جامعة مولاي إسماعيل
UNIVERSITÉ MOULAY ISMAIL

جامعة القاضي عياض
UNIVERSITÉ CADI AYYAD

UPC

UNIVERSITÀ DEL PIEMONTE ORIENTALE

POLITECNICO MILANO

POLITECNICO DI TORINO

U.PORTO

UNIVERSIDAD DE SEVILLA

Other Academic Partners



Socioeconomic Partners



Publications on Water Desalination

I. Baayyad, N. Semlali Aouragh Hassani, **T. Bounahmidi**, **Evaluation of the energy consumption of industrial hybrid seawater desalination process combining freezing system and reverse osmosis**, **Desalination and water treatment** (2014)

A. Rich, Y. Mandri, D. Mangin, S. Abderafi, C. Bebon, N. Semlali, J.P. Klein, **T. Bounahmidi**, A. Bouhaouss et S. Veessler, **Sea Water Desalination by Dynamic Layer Melt Crystallization: Parametric Study of the Freezing and Sweating Steps**, **Journal of Crystal Growth** 342 (2012) 110-116

Publications on Water Desalinization

MANDRI Y., RICH A., BENDAOU D., MANGIN D., ABDERAFI S., BEBON C., SEMLALI N., KLEIN J.P., **BOUNAHMIDI T.** et BOUHAOUSS A., **Parametric study of the sweating step in the seawater desalination process by indirect freezing**, Desalination Volume 269, Issues 1-3, 15 March 2011, Pages 142-147.

Rich , Y. Mandri , N. Bendaoud, D. Mangin, S. Buathier, S. Abderafi, C. Bebon, N. Semlali, J.P. Klein, **T. Bounahmidi**, A. Bouhaouss, S. Veessler; **Freezing desalination of sea water in a static layer crystallizer**; Desalination and Water Treatment 13 (2010) 120-127

Reviews on Water Management (Submitted)

Eddouibi, A. Souad, S. Vaudreuil, **T. BOUNAHMIDI**, « **Brackish water potential and access to electricity and drinking water in arid regions especially in Morocco**”, Superlattices and Microstructures

Chaoui, **T. BOUNAHMIDI**, S. Vaudreuil, S. Abderafi, « **Water desalination by forward osmosis: Draw solutions and recovery methods – Review**”, Superlattices and Microstructures

Patent on Water Management

T. BOUNAHMIDI.

Système de refroidissement de centrale thermique solaire par dessalement à osmose directe ;

Brevet n° MA34695B1, Décembre 2013

Ongoing Project on Water Management

S. Vaudreil & T. Bounahmidi.

Unité de **Production simultanée d'électricité et d'eau potable** par couplage d'une CSP à un procédé de dessalement d'eaux saumâtres par osmose directe.

IRESEN. Institut de Recherche en Energie Solaire et Energies Nouvelles

Project on Water Management in Preparation for PRIMA Calls

Development of fertigation process using forward osmosis operated by solar energy

UNIVERSITY OF GENOA (Italy)
UNIVERSITY OF SOUSSE (Tunisia)
UEUROMED FES (Morocco)
OTHERS