

First Euro-Mediterranean Institute of Technology INSA Euro-Méditerranée

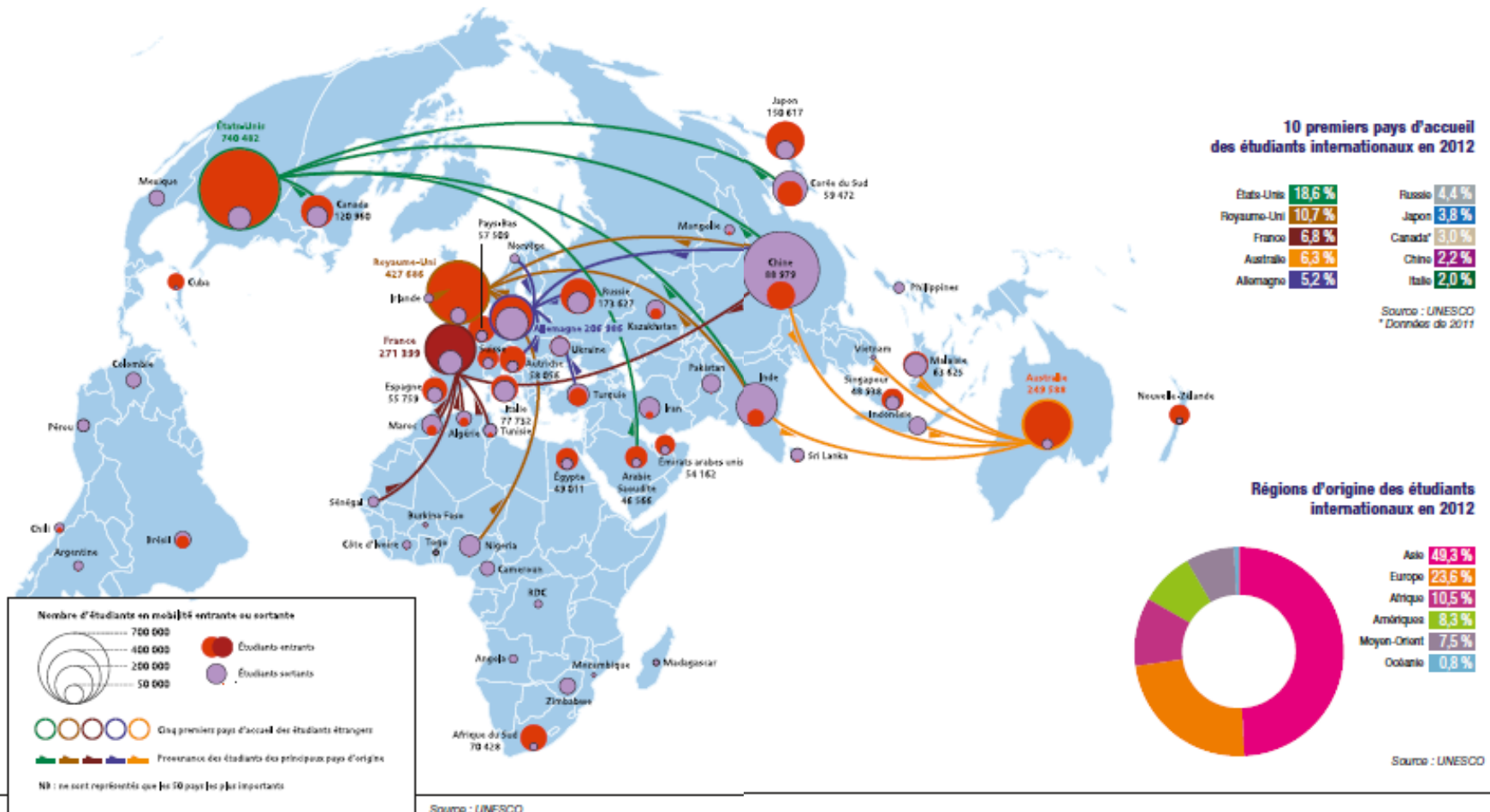
Eric Maurincomme

President groupe INSA
President INSA Lyon

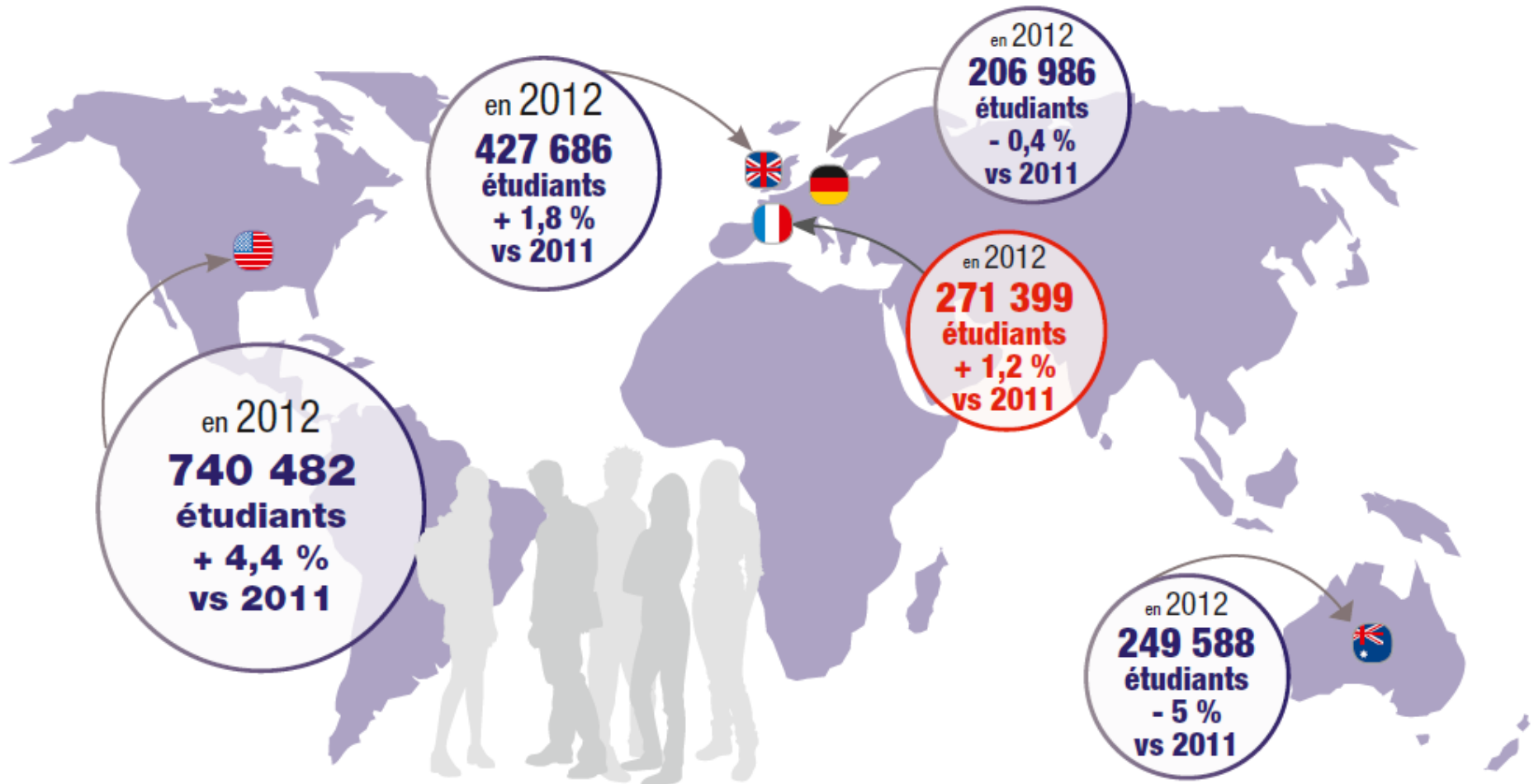
34th Rectors & Presidents' Conference
Aalto, 19 Sept 2015

Consortium EuroMedTech : Maroc | Espagne | France | Italie | Portugal

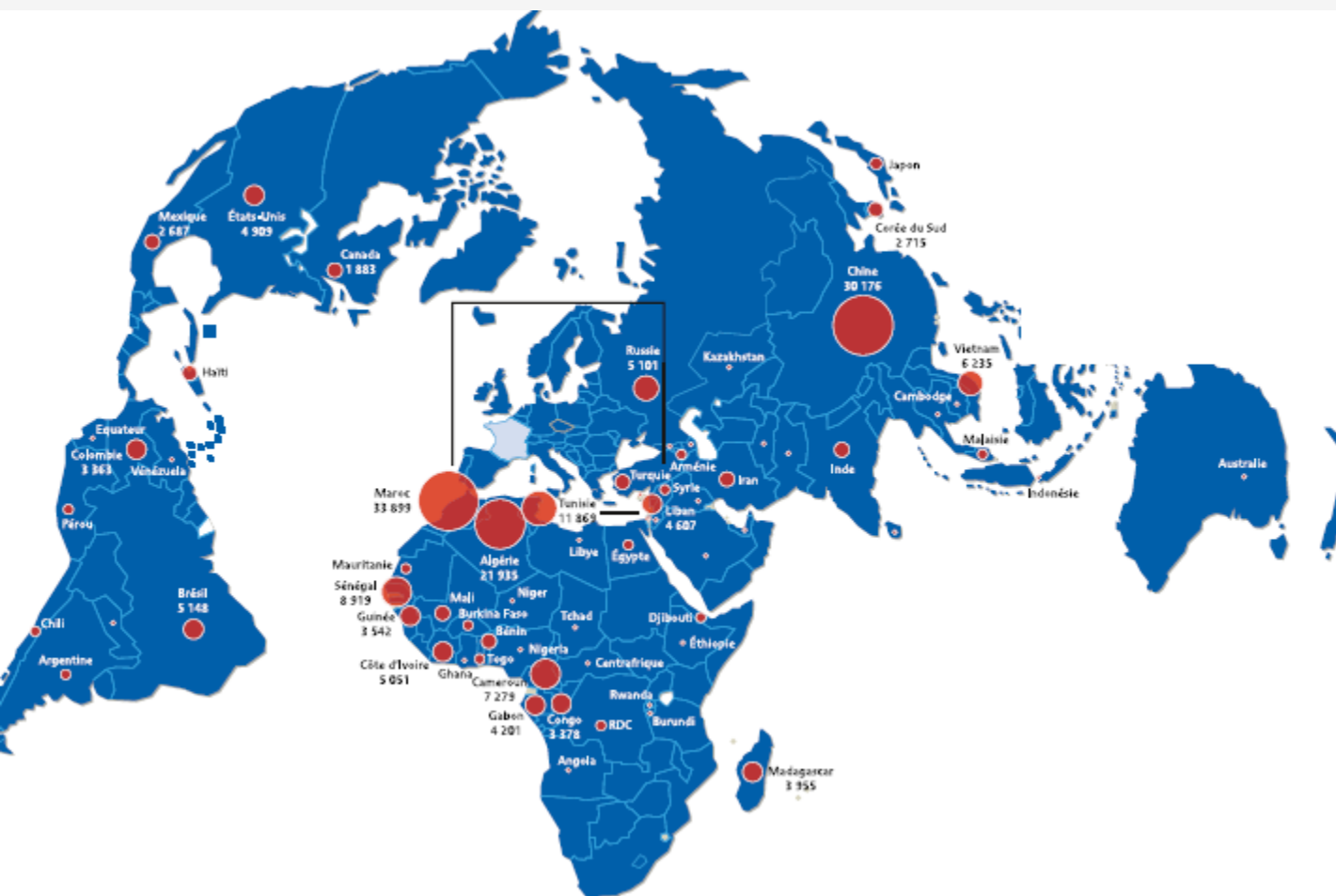
❑ Crossing borders : 4 million students in 2012



TOP 5 student in-flows (UNESCO 2012)



□ F: 300,000 foreign students 2013-2014



Pays d'origine	Effectifs	Part
Maroc	33 899	11,5 %
Chine	30 176	10,2 %
Algérie	21 935	7,4 %
Tunisie	11 869	4,0 %
Italie	9 322	3,2 %
Allemagne	8 978	3,0 %
Sénégal	8 919	3,0 %
Cameroun	7 279	2,5 %
Espagne	6 363	2,2 %
Viêt Nam	6 235	2,1 %
Brésil	5 148	1,7 %
Russie	5 101	1,7 %
Côte d'Ivoire	5 051	1,7 %
États-Unis	4 909	1,7 %
Liban	4 607	1,6 %
Roumanie	4 572	1,5 %
Gabon	4 201	1,4 %
Portugal	4 134	1,4 %
Belgique	4 040	1,4 %
Royaume-Uni	3 982	1,3 %

❑ Facts on Morocco

- 33 million inhabitants
- 34 000 Moroccan students in France
- Brain drain for the country as most of them do not return
- Industrial vision around 4 priorities
 - Digital society
 - Renewable Energies
 - Aeronautics
 - Transportation / Automobile
- Morocco wants to become a hub between Africa & Europe

Groupe INSA and INSA partners

6 INSA in France

- ▶ Centre Val de Loire
- ▶ Lyon
- ▶ Rennes
- ▶ Rouen
- ▶ Strasbourg
- ▶ Toulouse



7 partner schools

- ▶ ENSCI Limoges
- ▶ ENSIAME Valenciennes
- ▶ ISIS Castres
- ▶ ENSC Mulhouse
- ▶ ENSI Sud Alsace
- ▶ ESITECH Rouen
- ▶ UPVD Perpignan



1 INSA international

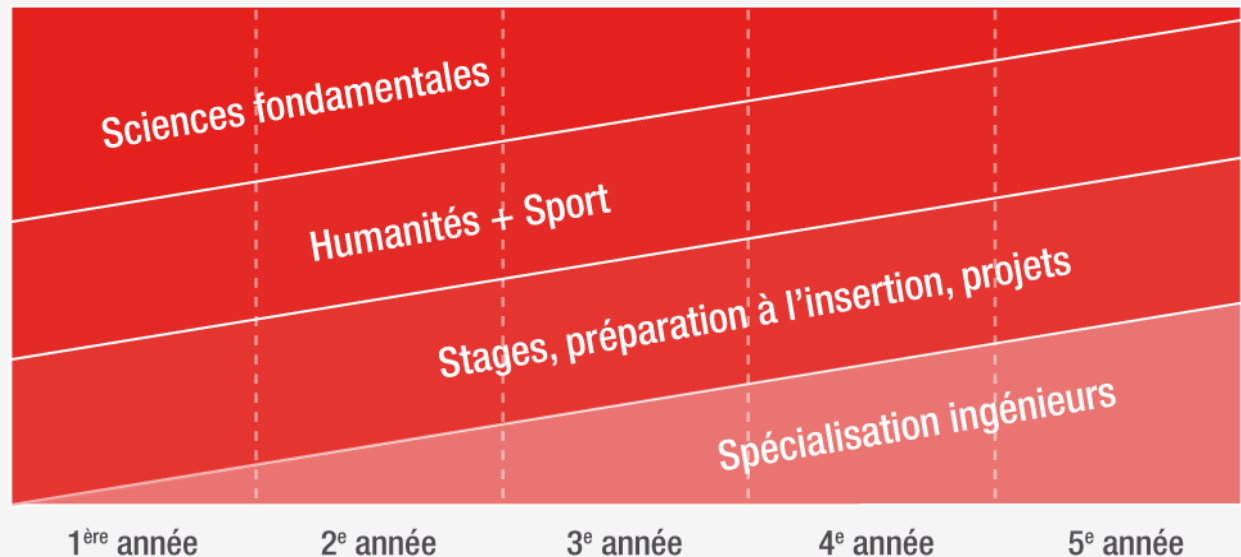
- ▶ INSA Euro-Méditerranée
in Fès (Morocco)



❑ Figures of Groupe INSA

- 22 000 applicants every year – 1 out 8 is selected
- 2 600 engineers, 80 architects, 300 PhD's delivered yearly
- ~14 000 Engineering students, 1 300 PhD students
(31% female, 32% govt scholarships, 28% international)

❑ Unique pedagogical template



❑ More facts on Groupe INSA

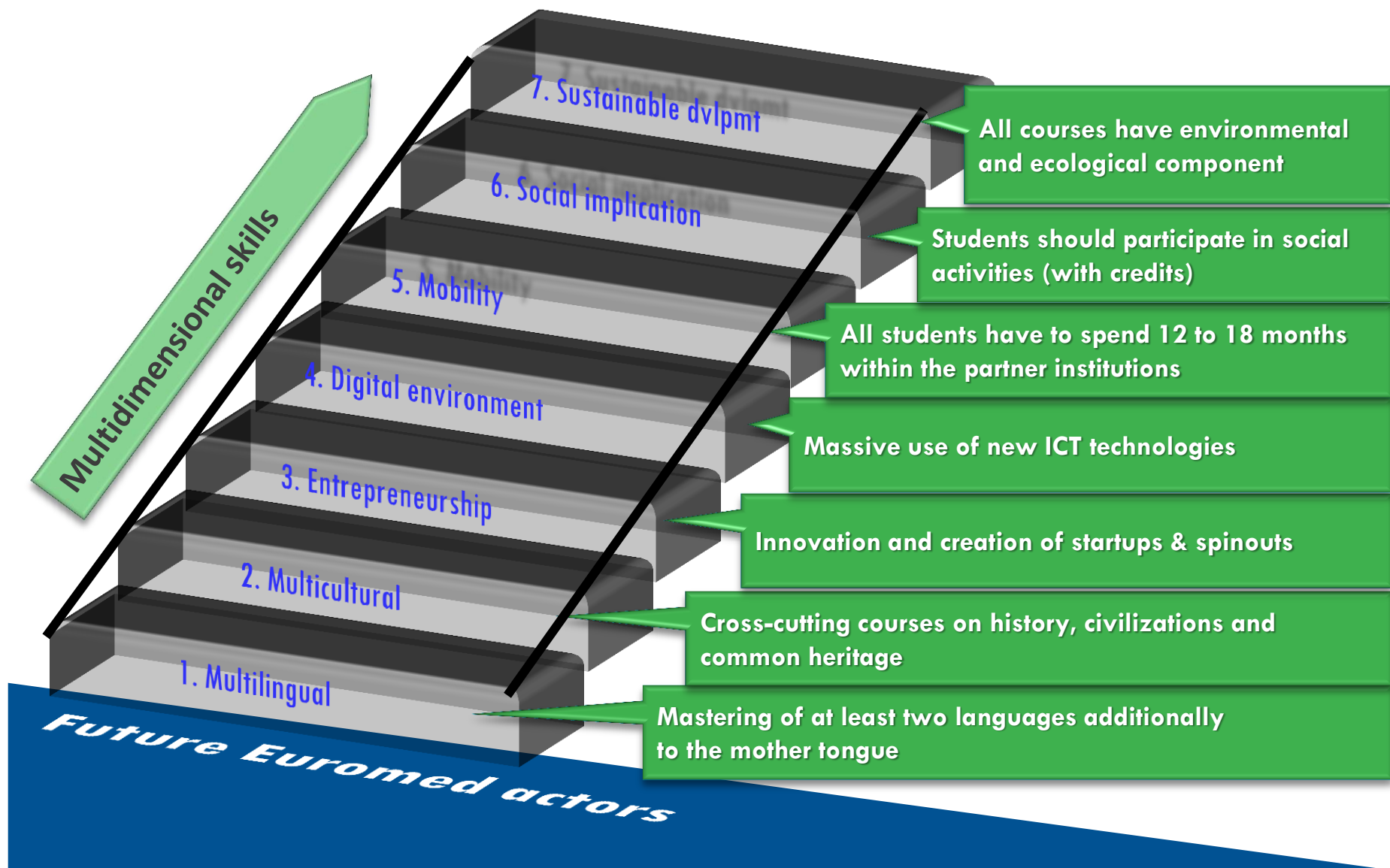
- 310 M€ annual budget
- 3 200 employees ($\frac{1}{2}$ teachers & researchers, $\frac{1}{2}$ admin & technical)
- 80 000 alumni world-wide

❑ Professional insertion

- Average duration for seeking first employment: 1,4 months
- Average first gross salary: 35 k€
- 12% first jobs outside France



UEMF : 7 Euro-Mediterranean skills



INSA Euro-Méditerranée at the heart of the Euro-Mediterranean University of Fès (UEMF)

*UEMF was founded in November 2012 and is placed under the authority of the **Honorary Chairman, His Majesty King Mohammed VI** and was approved by the **Union for the Mediterranean** with the support of its 43 member states.*

Also see <http://ufmsecretariat.org/>

Both INSA Euro-Méditerranée and UEMF share:

- a vision: **unity by cooperating and sharing knowledge and multi-cultural heritage**
- a mission: **excellence through innovation in education and research**
- a strategy: **build a scientific and technological hub between countries of the Euro-Mediterranean area, structuring and feeding new collaborative projects with sub-saharan African countries**



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

Co-develop

THE 1ST EURO-MEDITERRANEAN
INSTITUTE OF TECHNOLOGY



Institut National
des Sciences Appliquées

co-desarrollan

EL 1^{er} INSTITUTO
EUROMEDITERRÁNEO
DE TECNOLOGÍA

تنشآن

أول معهد أوروبتوسطي للتكنولوجيا

cosviluppano

IL 1° ISTITUTO
EURO-MEDITERRANEO
DI TECNOLOGIA

Desenvolvimento conjunto

O 1º INSTITUTO
EURO-MEDITERRÂNICO
DE TECNOLOGIA

L'INSA EURO-MÉDITERRANÉE



INSTITUT INTERNATIONAL
DES SCIENCES
APPLIQUÉES
EURO-MÉDITERRANÉE

co-développent

LE 1^{ER} INSTITUT
EURO-MÉDITERRANÉEN
DE TECHNOLOGIE



Fès | Maroc



Bienvenido
Bienvenue
Willkommen
Benvenuto
Bem-vindo
Welcome

Consortium EuroMedTech : Maroc | Espagne | France | Italie | Portugal



Université
Mohammed V
de Rabat



جامعة مولاي إسماعيل
UNIVERSITÉ MOULAY ISMAIL



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



POLITECNICO
DI TORINO



POLITECNICO
DI MILANO

U.PORTO

- Project born from a **strategic vision** of the Moroccan Minister L. Daoudi, shared by the French Minister G. Fioraso in 2012
- debated and supported as part of the « 5+5 » dialogue
(***Spain-Italy-Portugal-Malta-France***
Morocco-Tunisia-Libya-Mauritania-Algeria)
- benefiting from the dynamics of **Union for the Mediterranean**
- jointly carried by 2 university structures **UEMF & groupe INSA**
- supported by:
 - * a **consortium of euro-mediterranean universities**
 - * European and Moroccan **companies**
 - * the **network of INSA alumni** in Morocco and in North Africa

❑ Consortium EuroMedTech



POLITECNICO
DI TORINO



POLITECNICO
DI MILANO

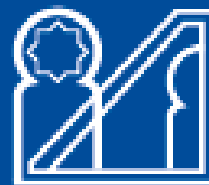
U. PORTO



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❑ Innovative partnership approach

❑ The INSA Euro-Méditerranée will be the 1st establishment whose degrees are **submitted for recognition** to :

- Moroccan government (obtained)
- French government
- European Network for Accreditation of Engineering Education

❑ and will benefit of **ambitious double-degree programs** carried by the consortium establishments

Consortium EuroMedTech : Maroc | Espagne | France | Italie | Portugal

□ Education




Co-conception and co-development of a unique engineering education model in the Euro-Mediterranean space, fostering the values of equality, interculturalism, sustainability and social responsibility

Ambition: to form top-class multi-cultural technology leaders able to supervise large development projects

Strong points: international, multicultural, exceptional openness to the world, innovative pedagogy with a high degree of integration of digital technologies, active business partnerships, deep involvement in the socio-economic development of the Euro-Mediterranean region

Education

**3 specialty
areas**

	Mechanical and energy engineering
	Electrical engineering
	IT and communication systems

**A specific focus on
4 economic sectors:**



Aeronautics



Energy engineering

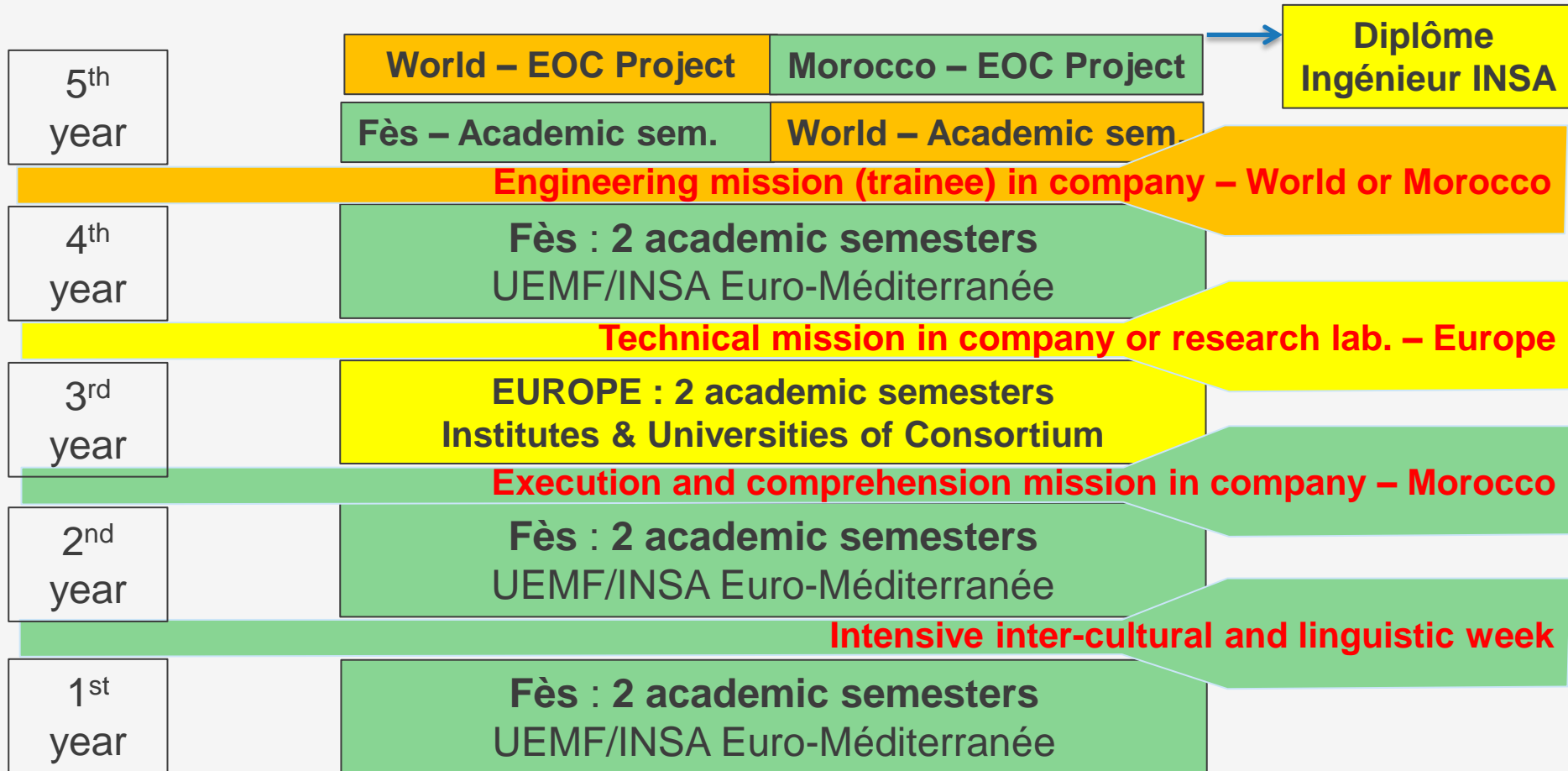


**IT and
communication
technology**

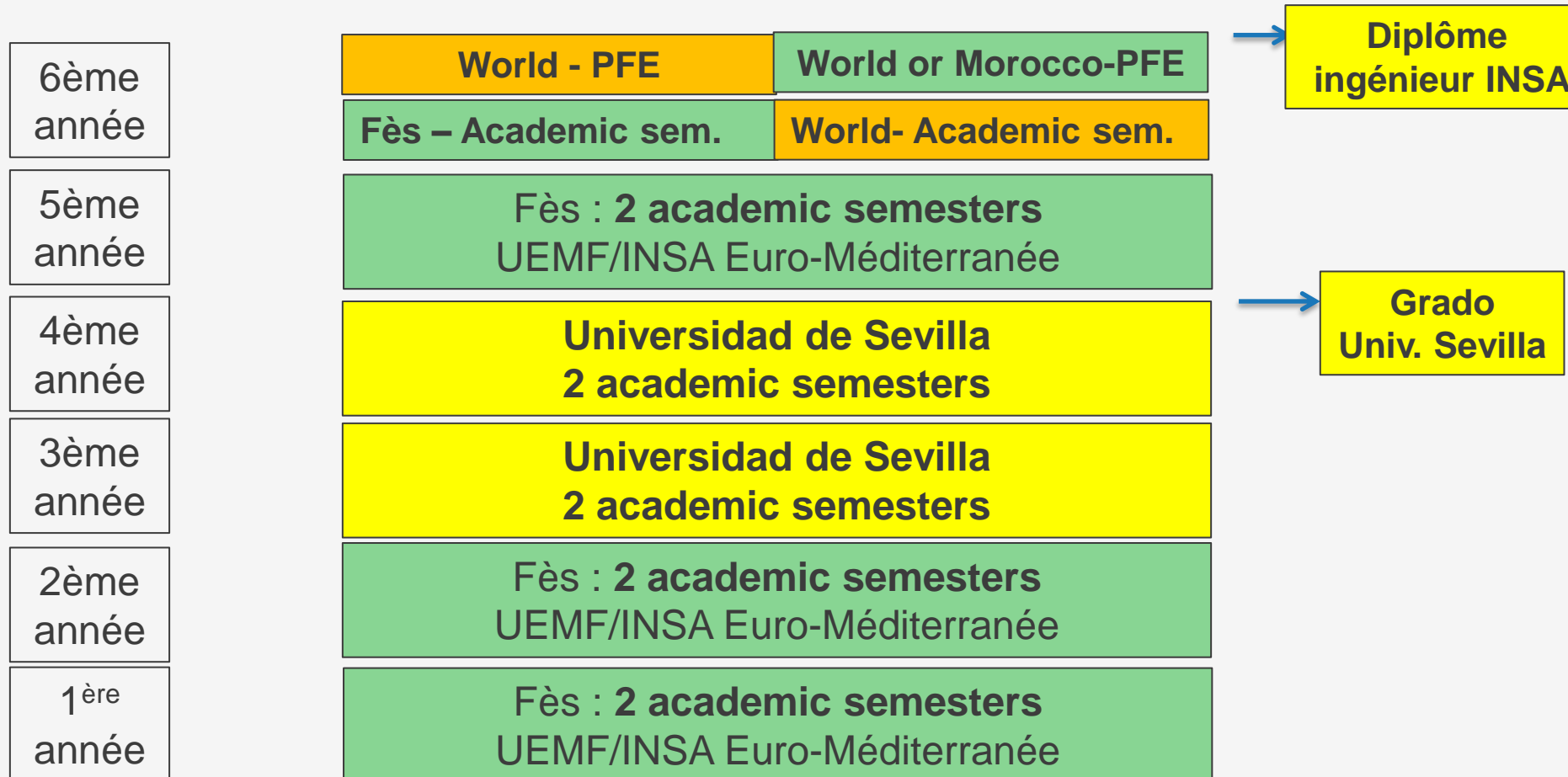


**Mechanical
and automotive
engineering**

□ Mobility throughout the curriculum



□ Two - degree example



□ Admissions

Recruitment coordinated by the groupe INSA

Target

70% Moroccan

30% Euro-Mediterranean, Africa & World

Scholarships : social criteria, scientific excellence, rates for UfM students

□ Research

INSA Euro-Méditerranée will develop top-class research that will feed the education provided by the institution

Research areas:

automation, signal processing, electronics, digital technology, IT, mathematics, mechanical engineering, nano-micro technology and electronics, energy engineering.

• **Co-developed science projects** will be set up to respond to **several major societal challenges** in Morocco, the Euro-Mediterranean region and Africa. They will primarily deal with energy, supporting businesses in mechanical & electrical engineering and mastering IT and communications.

□ Research

Researcher mobility is also at the heart of the project

Creation of an **euro-mediterranean doctoral school** networked to the consortium establishments

Foreign languages and inter-culturalism will be integrated in the doctoral education

Innovation and entrepreneurship will also be integrated in the doctoral education

□ Business Relations

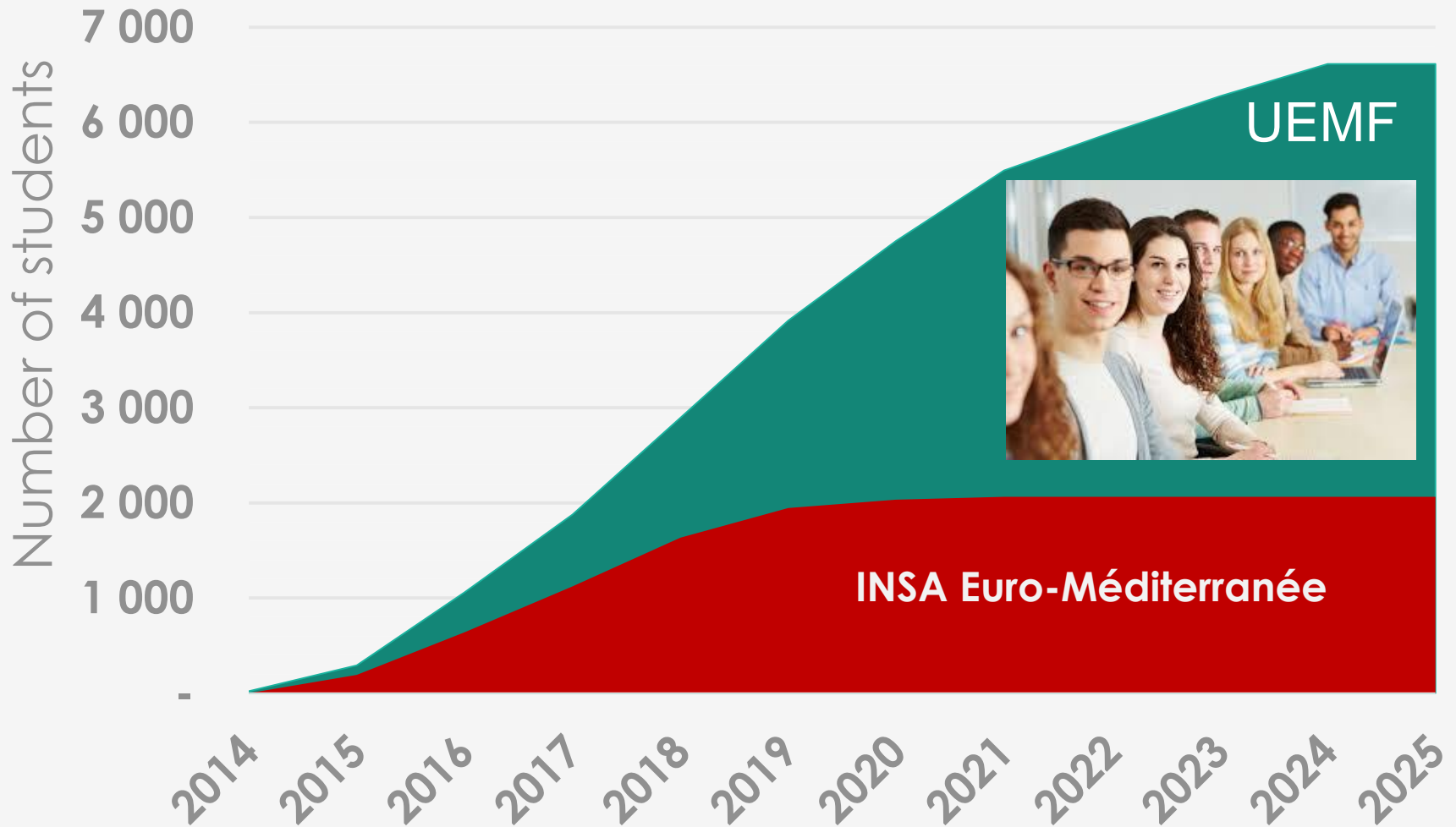
✓ Objectives

- To form innovative engineers and top-class entrepreneurs with a strong multicultural approach
- To create close relationships with Moroccan and French companies, and more broadly with companies in Europe, North Africa, sub-Saharan Africa and the Middle East
- To develop high-level technological research activities, development and transfer activities by relying upon laboratories and research teams from the INSA group, UEMF, Moroccan partner universities and member universities of the Consortium

✓ Supporters

- Moroccan clusters (e.g. GIMAS in aeronautics with 50+ companies)
- Alumni associations of INSA in Morocco and Maghreb
- Large European or multinational companies

Forecast of enrollments



❑ Campus : surface of 21 ha







❑ Manfred gave me the deadline !



❑ Manfred gave me the deadline !





THANK YOU !

