



FACULTÉ DE
GESTION,
ÉCONOMIE
& SCIENCES

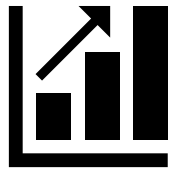


INTERNATIONALIZATION OF STEM CURRICULA FROM STUDENTS PERSPECTIVE

Dr. Farouk ALLOUCHE
Associate Dean for International Relations

THE FACULTY OF MANAGEMENT, ECONOMICS & SCIENCES

A multidisciplinary faculty with 2 departments:



Management & Economics:
Management, Economics, Finance,
Banking, Insurance, Accountancy,
Audit, ...

75%



Sciences :
Life Sciences, Environmental
sciences, Data, AI, Cybersecurity,
Computer Sciences, ...

25%



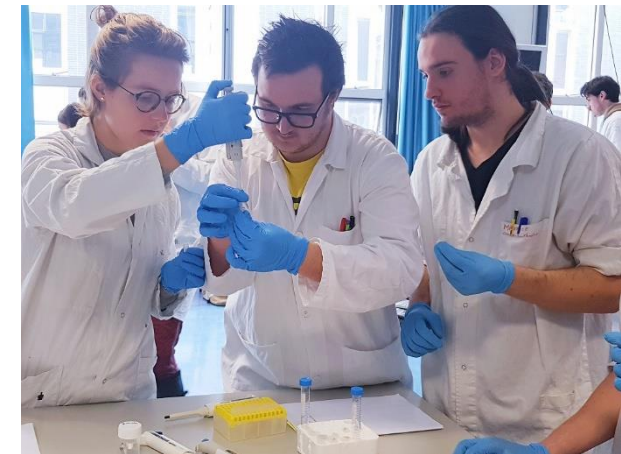
2400+ students



350 professors



90 permanent
faculty members





STUDENTS' PERCEPTION AND NEEDS FOR THE INTERNATIONALIZATION OF STEM CURRICULA

F. ALLOUCHE, March 2022

CONTEXT AND GOALS

Challenges of the internationalization of Scientific curriculum at our institution :

- Fusion of two distinct faculties in order to create a multidisciplinary structure to experience new programs.
- Cultural differences following the discipline leading to a significant lack of interest for internationalization for the STEM community: lack of international collaborations, DD, students and staff exchange in comparison with the department of Management and Economics.
- Lack of clear policies and guidelines due to new context and inefficiency of the organizational structure of internationalization, weakness in language competences,... (*Moshtari et al. 2023*)

What are the needs and interest of STEM students in terms of internationalization ?

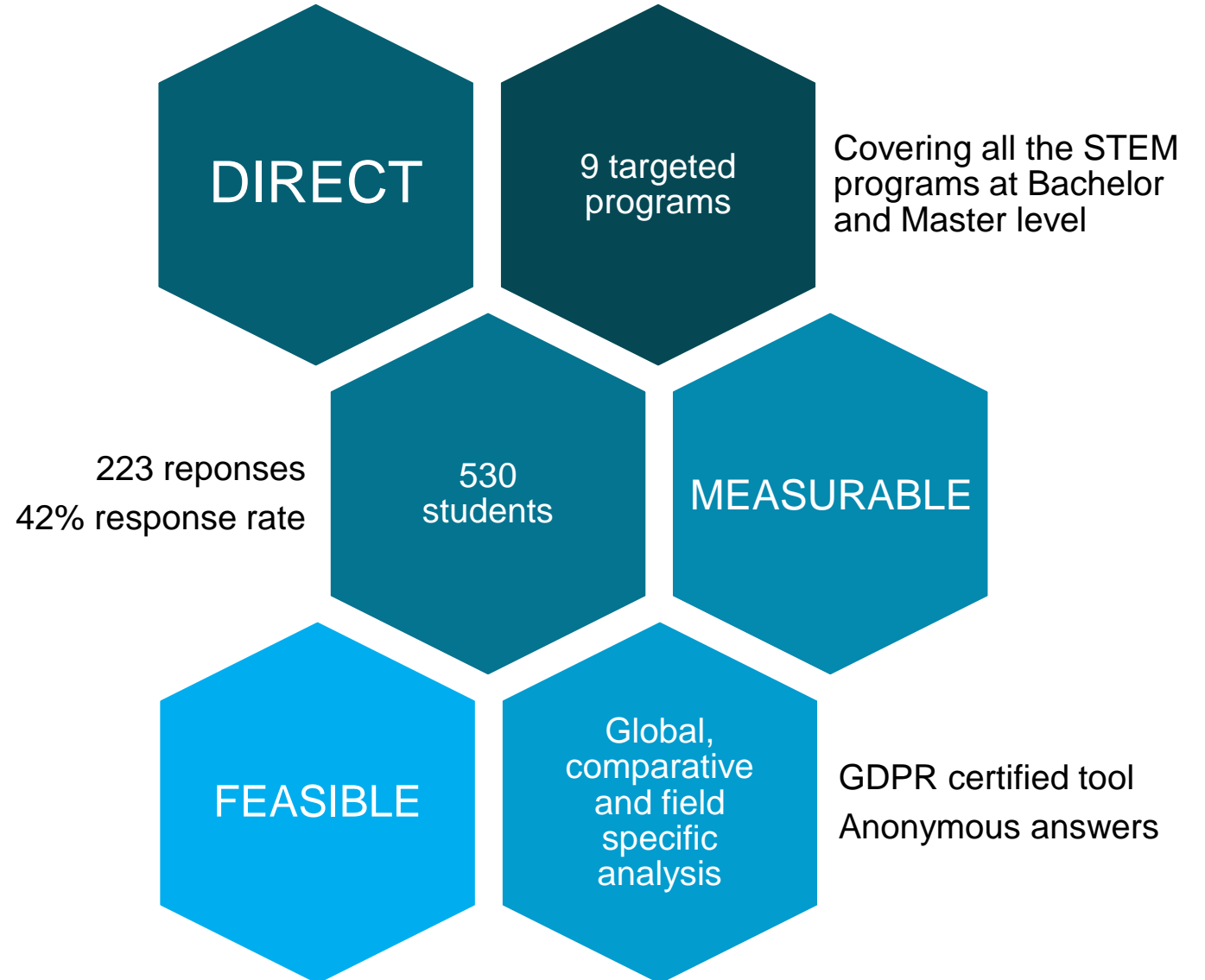
Defined goals :

- To question the students on their interest in the internationalization of the scientific fields.
- Consult students on the ongoing proposals for internationalization.
- Draw up a differentiated analysis according to the fields of study (Life sciences, computer sciences,...).
- Compare students' perspective to professors' perspective in order to prioritize the different internationalization actions and propose a mid-term action plan.

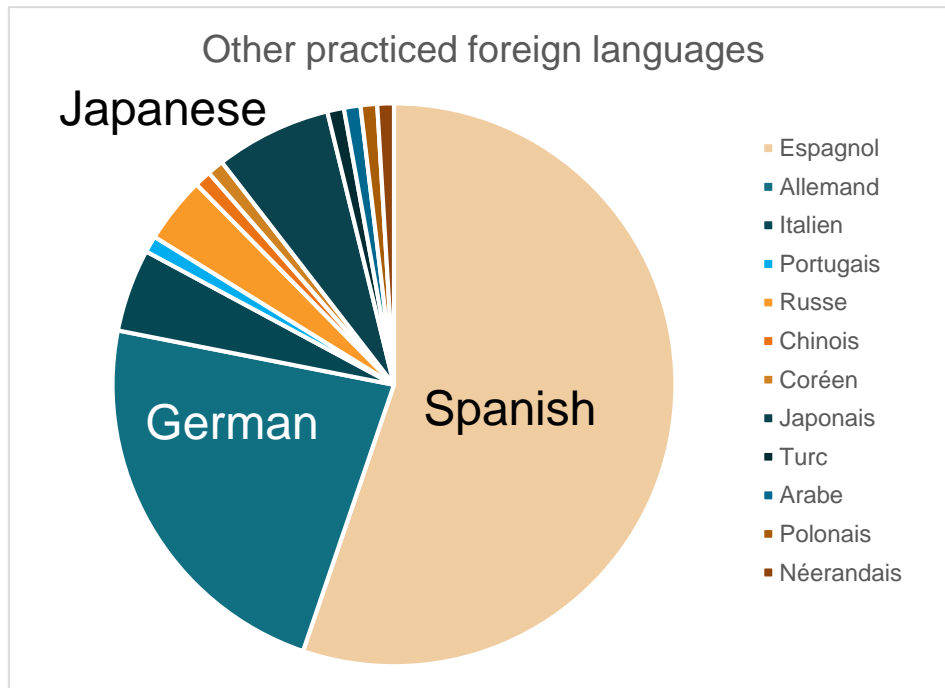
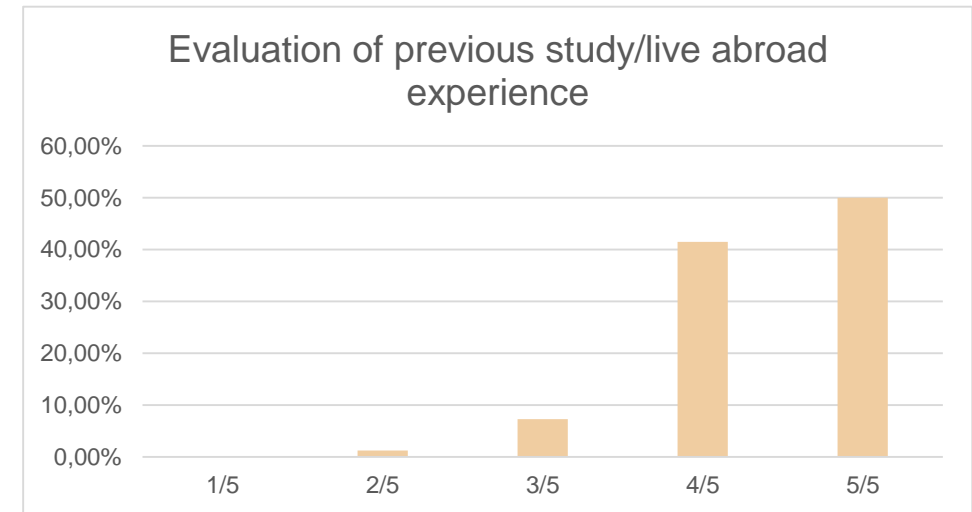
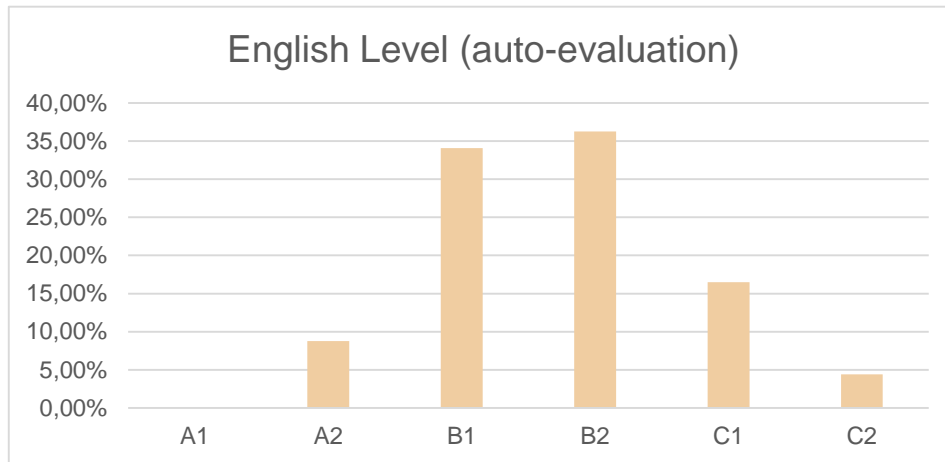
METHODOLOGY

Questionnaire design :

- Human potential : languages, previous experiences
- Mobility and academic exchange : motivation, brakes, zones, criteria
- Internationalization at home : training, courses, activities
- Study and professional perspectives (not shown).



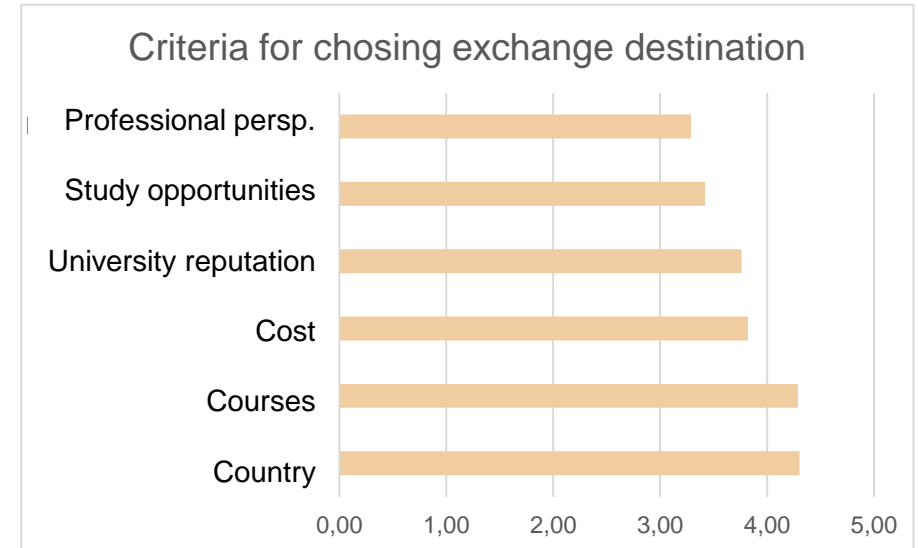
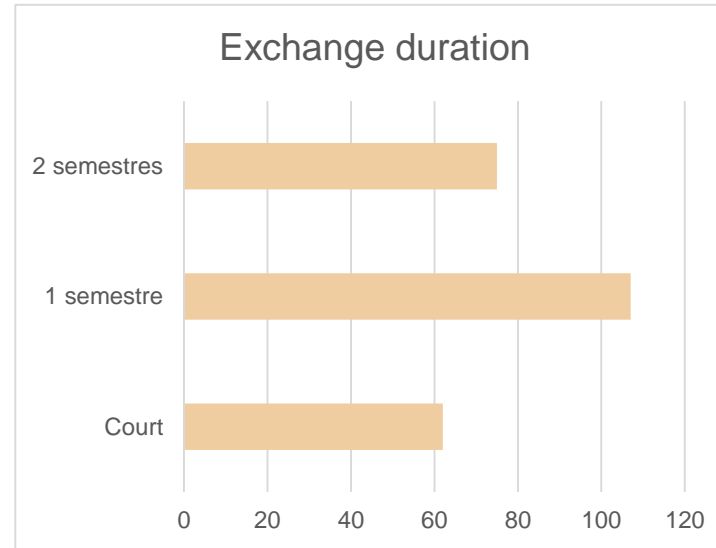
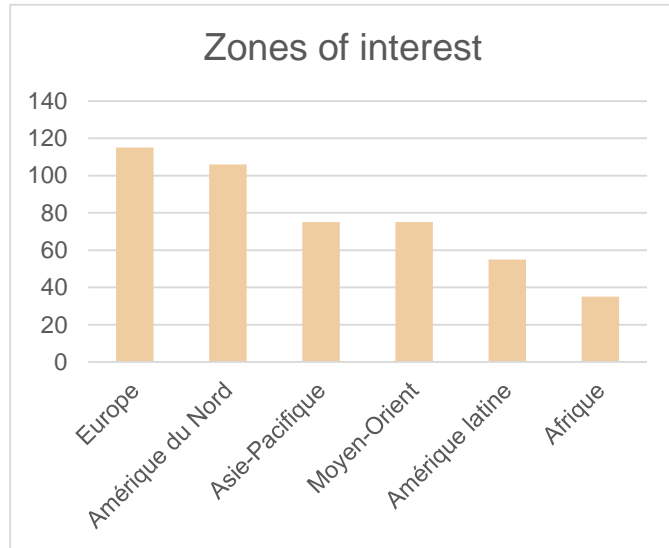
HUMAN POTENTIAL



51 % of students practice another foreign language beside French and English

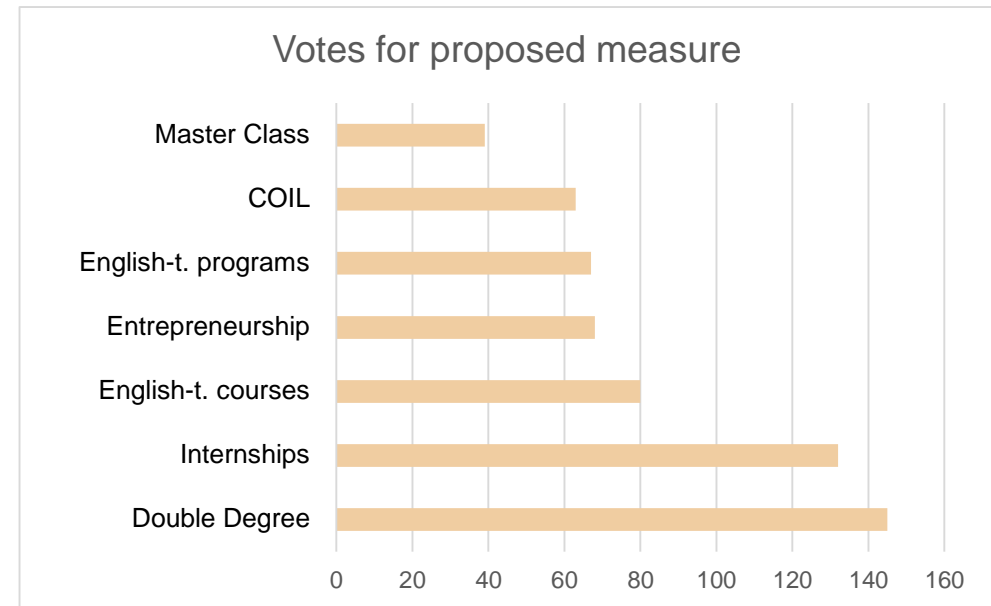
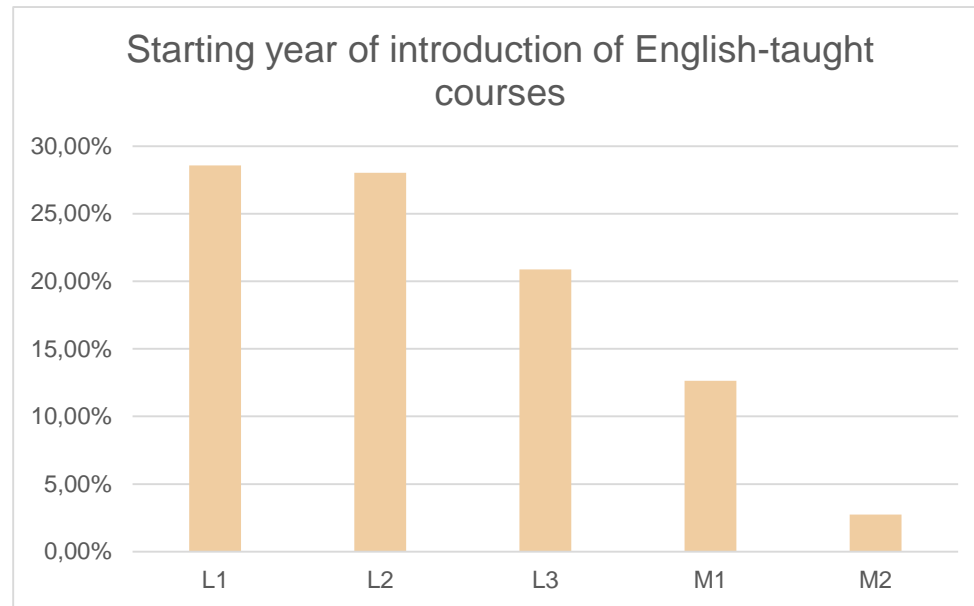
29% of students have already passed a foreign language positioning test

MOBILITY AND ACADEMIC EXCHANGE



- Only 74% of students are interested in an exchange program compared to 85% at national level (all fields combined).
- Our students first destination « Europe » is closely followed by North America then Asia, while French national statistics shows a leading position for European countries.
- The reasons behind their choices are relatively close to the ones reported by national agency with a worrying lack of interest in professional and study perspectives.

INTERNATIONALIZATION AT HOME



- Students still see physical mobility as the favorite activity to acquire an international experience.
- Creation of English-taught courses and programs is still not enough tolerated while COIL and Master Classes are poorly appreciated (experience conducted on two cohorts confirmed the observation)
 - Cultural and linguistic barrier related to French auto-evaluation and self-esteem ?
- The introduction of English-taught courses is however tolerated starting at the second year of education.

CONCLUSIONS AND PERSPECTIVES

- Europe remains the first destination of interest due to facilities related to Erasmus scholarships and EU borderless policy. North America and Asia are second and reflect a real cleavage between North/South Countries at young generation level.
- Students with previous foreign experience are more interested in exchange programs than the others.
- Students having experienced lockdown and online teaching are traumatized by the lack of human contact during the pandemic. National statistics shows that up to 60% of students experienced mental health issues during the pandemics (Inserm Press Release – 9/11/2021)
- Acceptance of OnLine Modules e.g. COIL, is still poor compared to physical mobility.
- Other internationalization at home activities including conferences, events and master classes are poorly accepted by students. The participation rate to such activities remain relatively low and limited to students interested in an exchange program.
- Short-term mobility as a viable and explorable alternative to increase the internationalization of HEI : EU BIP as a tool ?

A winter scene featuring snow-covered trees and a large, multi-story building with a gabled roof. The image is overlaid with a blue gradient. The text "THANK YOU FOR YOUR ATTENTION" is centered in white, bold, uppercase letters.

**THANK YOU FOR YOUR
ATTENTION**