



# Fostwom Project and the Toolkit

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# Fostering Women to STEM MOOCs

FOSTWOM is an Erasmus + project (2019-2022)

- It uses **MOOCs** to propose **STEM subjects free of stereotyping assumptions on gender abilities**
- Aims to **raise the number of female students and learners** attending courses in the areas of STEM.

# FOSTWOM Members

Coordinator:

**UNIVERSITAT POLITÈCNICA DE VALÈNCIA** (Spain)

Partners:

- **INSTITUTO SUPERIOR TÉCNICO** (Portugal)
- **METID - POLITECNICO DI MILANO** (Italy)
- **CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS** (France)
- **KTH ROYAL INSTITUTE OF TECHNOLOGY** (Sweden)
- **COLÉGIO DE AMOR DE DEUS** (Portugal)
- **IIS BENEDETTO CASTELLI** (Italy)

# FOSTWOM value proposal

FOSTWOM intends to **use** the inclusive potential of **MOOCs to propose STEM subjects free of stereotyping assumptions on gender abilities.**

The consortium is interested in **attracting girls and young women to science and technology**, through accessible online contents with relevant real-world situations within strong conceptual frameworks.

We consider that the **usage of good practices in videos and online courses' design** can encourage a new generation of women and girl scientists.

# FOSTWOM objectives

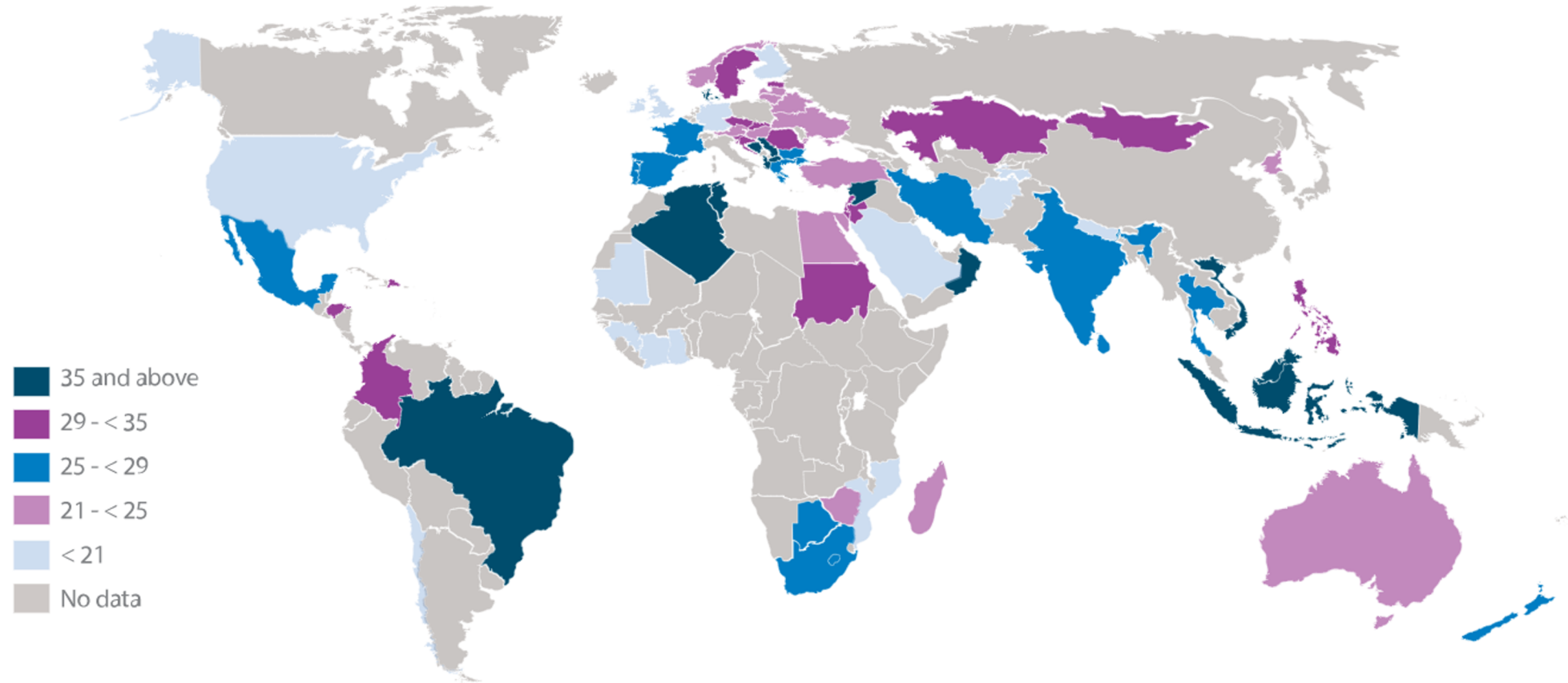
- **Develop a TOOLKIT** to design, produce and validate STEM MOOCs under a gender balance perspective
- **Design and produce collaboratively one graduate STEM MOOC, and one bridging STEM MOOC**
- **Create one transversal MOOC** to explain the Toolkit and propose examples of existing STEM MOOCs through a gender balance perspective
- **Promote intensive training sessions** regarding the design and production of **gender inclusive STEM MOOCs** and their use in face-to-face classes.

# Female in STEM education

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[Percentage of female students enrolled in engineering, manufacturing and construction programmes in higher education in different parts of the world.svg](#) Created: 1 September 2017

Percentage of female students enrolled in engineering, manufacturing and construction programmes in higher education in different parts of the world



Note: This map has a different scale to map above. They are not to be compared directly.  
103 countries.

Data source: UIS 2015<sup>25</sup>

# A personalised Toolkit for each stakeholder



Teachers/  
tutors



Instructional  
designers



Graphic  
designers



Content  
experts



Video  
editors



Students

# Toolkit Contents

Motivation -  
Examples

Documentation-  
Theory

Design checklist

Evaluation checklist

Comments

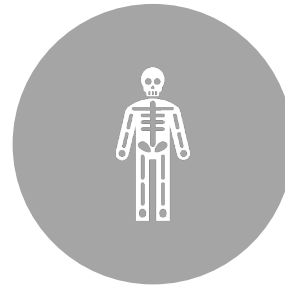
Badge to show on  
your website



# Motivation - Examples



Some data about the problem



MOOCs are part of the problem, but they may also be part of the solution

# Documentation

- References
- Part of the transversal MOOC will deal about the Toolkit
  - MOOC gender-balanced design guide
  - Documentation needed to successful evaluate and review
- Activities
- Glossary



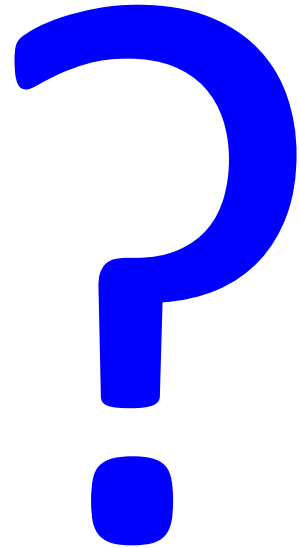
# Badges

- When you evaluate a MOOC, you can apply for a badge to show your **self-evaluated** gender-balance value in your website



- Badges are dynamic and can be updated in the website

Do you have any question or remark?



# Contact us

Drop us a line...

email: [fostwom@gmail.com](mailto:fostwom@gmail.com)

Twitter: @Fostwom

... and we'll keep you updated!





**THANKS!**

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