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# Fostering Women to STEM MOOCs

Um projeto Erasmus+ com  
projeção no público STEM  
feminino

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6º Encontro ObservIST

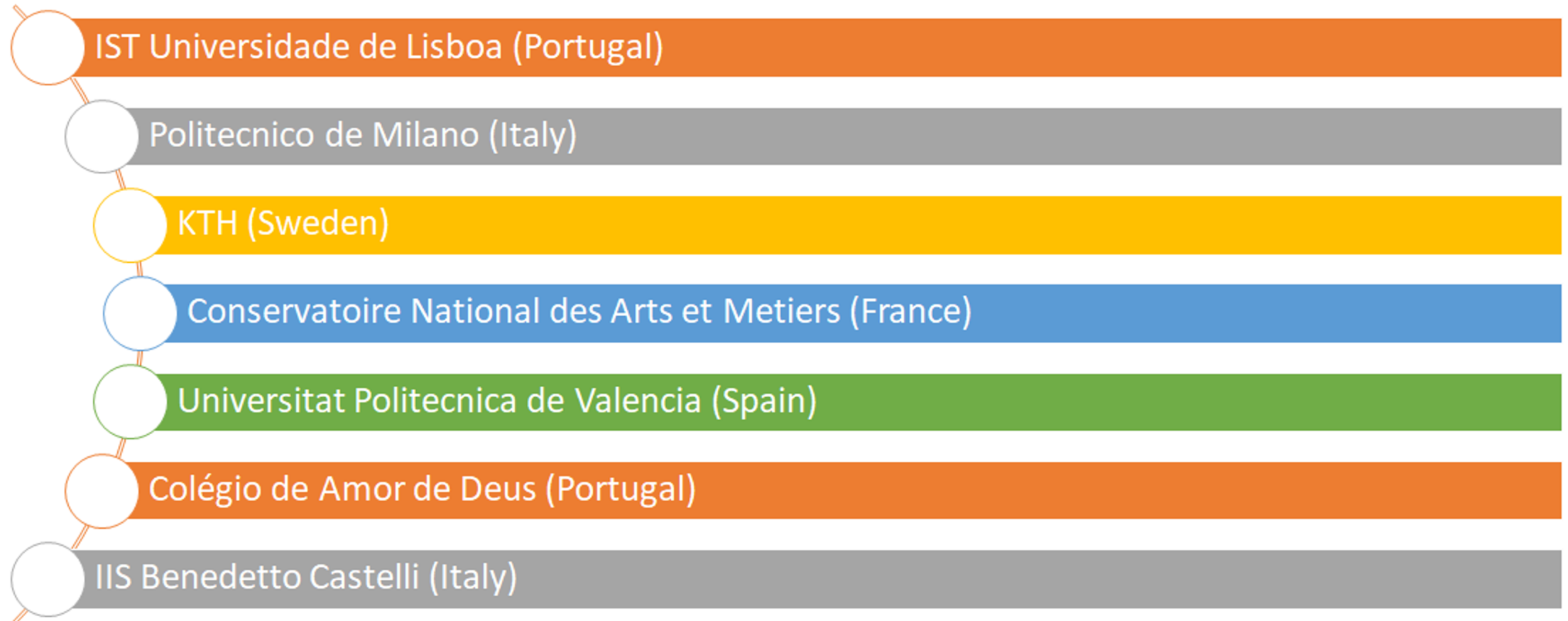
FOST  
WOM



## Agenda

1. FOSTWOM project (Who we are)
2. Poll
3. Can MOOCs lower the gender unbalance in STEM?
4. FOSTWOM actions (Toolkit+MOOCs)
5. MOOC on Machine Learning, Maths,... and Heroine's Learning Journey

## Partnership

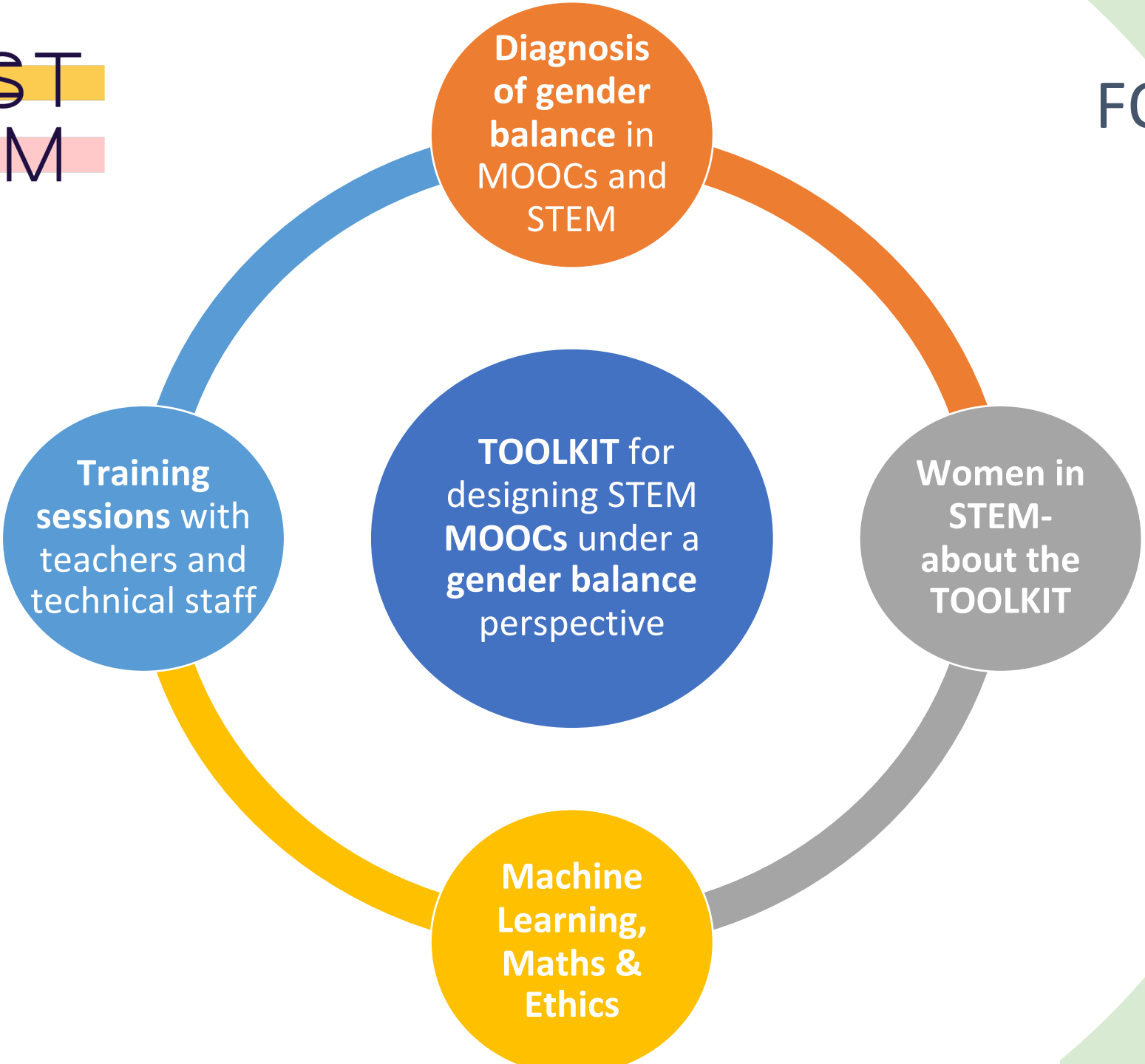


## Reflect for yourselves

- What percentage of women do you think attend STEM studies?
- Can you identify three female scientists, mathematicians or engineers?

## How may MOOCs help to lower the gender unbalance in STEM subjects?

- **STEM MOOCs free of stereotyping assumptions on gender abilities;**
- **Accessible online content, role model's interviews, relevant real-world situations;**
- **Applying good practices in videos and online courses' design that can give a sense of belonging.**



# Finding the FOSTWOM toolkit (and contributing!)



<http://bit.ly/3hJ29O4>



THE PROJECT

NEWS

OUR SURVEY

FOSTWOM TOOLKIT

OUR MOOCS

INTELLECTUAL OUTPUTS

CONTACTS



## FOSTWOM Toolkit

The aim of this toolkit is to support STEM (and not only STEM) MOOC instructional designers, content developers, graphic and video designers during the design and implementation phase of their work.

This is a draft version which is open to comments and suggestions from the public. Give us your feedback by leaving your suggestions directly in this whole document, so that we can improve and support STEM MOOCs designers and raise awareness around the gender-balance perspective.

Go directly to the Gender-balance checklist for STEM MOOC creators <http://bit.ly/3hJ29O4>

If you want to know more about the rationale behind our TOOLKIT, please read the [FOSTWOM Toolkit Report](#) that we prepared for you.



# Where to find our MOOCs now (and then?)

## MOOC Técnico

Search for a course



**LEARN MORE**

Energy, Economic and Environmental Scenarios

Starts: Jan 20, 2023



DataScience: Classification

A classificação é a tarefa da ciência de dados que permite descobrir modelos preditivos. Sendo o segundo curso da série Data Science, este


Starts: Sep 8, 2023



DataScience: KDD Process

O processo KDD inclui todas as etapas do processo de descoberta de informação a partir de bases de dados. Sendo o primeiro MOOC da


Starts: Sep 8, 2023



Women in STEM - a MOOC for Educators

This course aims to raise awareness about the importance of gender balance in the STEM field and illustrates a tool for the creation of


Starts: Sep 19, 2023



Machine Learning, Maths & Ethics: Hands-on



Valores Próprios



Economia Circular

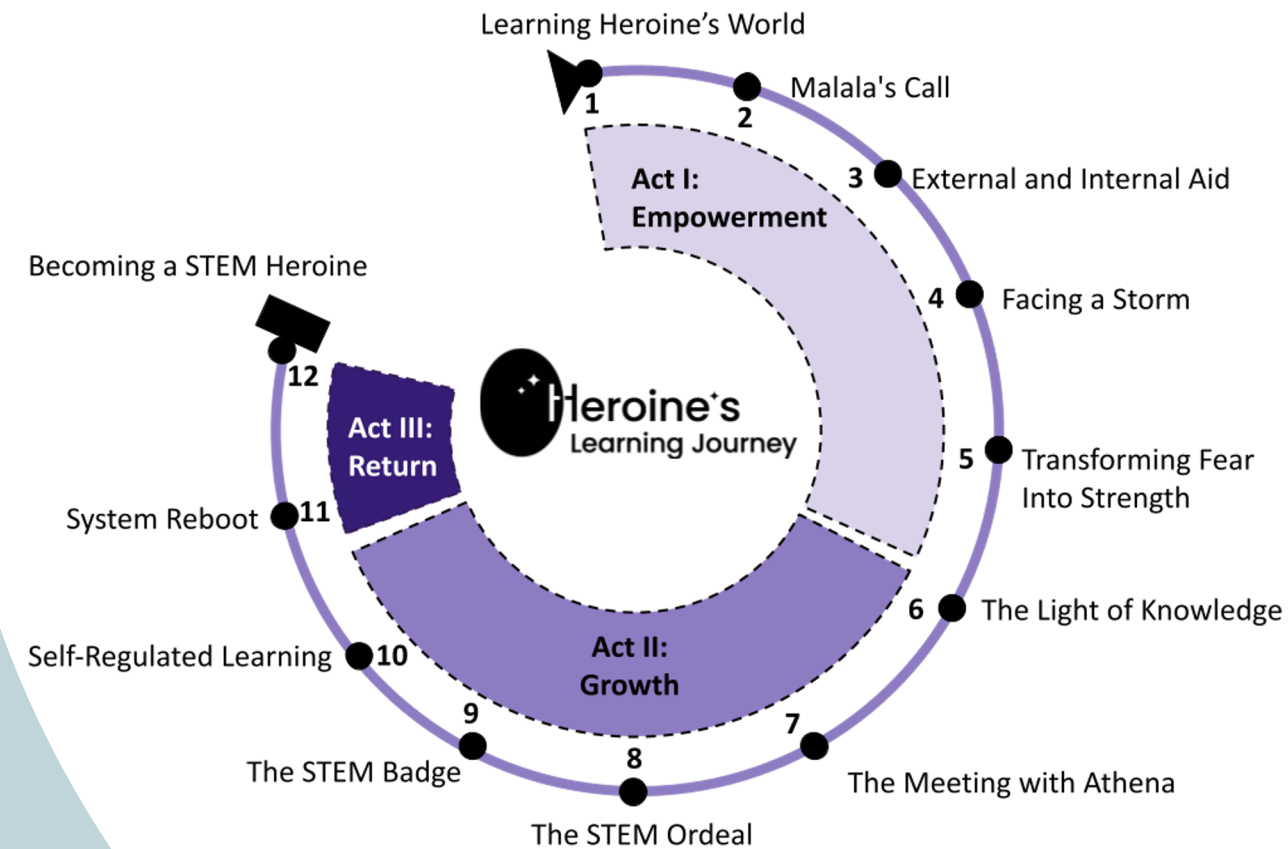
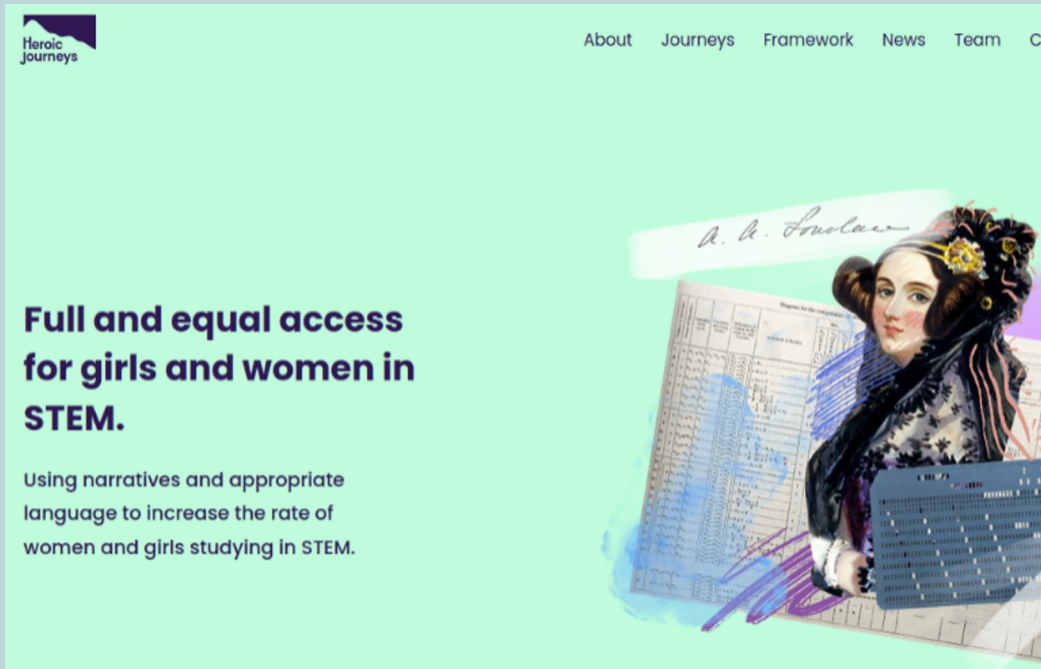


Física Experimental



# MOOC on ML, Maths & Ethics

## Heroine's Learning Journey





Heroine's  
Learning Journey



## Machine Learning, Maths & Ethics: Hands-on

Técnico Lisboa - IematecX

Ended - Jul 1, 2022

Mar 31, 2022 - Jul 1, 2022



## Machine Learning, Maths & Ethics: Hands-on

Técnico Lisboa - IematecX

Ended - Mar 1, 2022

Dec 1, 2021 - Mar 1, 2022

# MOOC ML, Maths...

& Ethics

Hands-on

Role  
models

Datasets

3<sup>rd</sup> Edition 2023/24

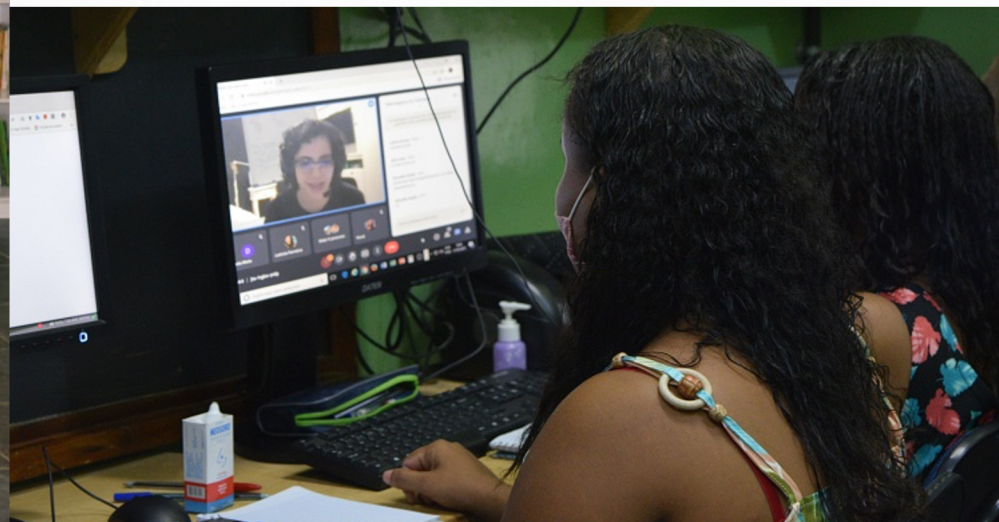
- 2022 edition, 60% female participants (Total: 366)
- 2021 edition, 35% female participants (Total: 320)



## Jovens de Recreio participam de projeto da Universidade de Lisboa em parceria com a UFRJ

1 de abril de 2022

Quatorze jovens garotas de Recreio começaram a participar de um projeto do Instituto Superior Técnico da Universidade de Lisboa (Portugal) em parceria com a Universidade Federal do Rio de Janeiro "UFRJ".



## Final Report:

“O MOOC Técnico - Machine Learning, Maths & Ethics: Hands-on chegou até mim enquanto navegava pelas redes sociais e visitava a página *Women in Engineering IST* (no *instagram*). Interessei-me pelo tópico e resolvi saber mais sobre Machine Learning (que julgava ser algo bastante complexo) e, sendo este um curso especialmente direcionado para meninas e mulheres, fiquei ainda mais motivada”.

<https://fostwom.eu>

MOOC Técnico



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Thank you!

