

W-STEM Website

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DE SALAMANCA

CAMPUS DE EXCELENCIA INTERNACIONAL

Adapted to the new design

The screenshot displays the W-STEM project website. At the top left is the W-STEM logo. The navigation menu includes: THE PROJECT, TEAM, GET INVOLVED, DELIVERABLES, NEWS, CONTACT, and a search icon. The main banner features the title "ENGAGING WOMEN INTO STEM" with the subtitle "Building the future of Latin America". Below the banner are three columns: "Objective" (Improving strategies and mechanisms of attraction, access and guidance of Women in Latin-American STEM Higher Education programs), "Funding" (Funding by the European Union through Erasmus+ Capacity-building in Higher Education Call for proposals EAC/A05/2017), and "Partnership" (15 partners from 10 countries – Chile, Colombia, Costa Rica, Ecuador, Finland, Ireland, Italy, Mexico, Spain, United Kingdom –). To the right of these columns are social media icons (RSS, Facebook, Twitter, Instagram, YouTube) and a "RECENT POSTS" section with a grid of images and the text "International Day of Women & Girls in Science".

Wstem

THE PROJECT ▾ TEAM ▾ GET INVOLVED DELIVERABLES NEWS CONTACT 🔍

ENGAGING WOMEN INTO STEM

Building the future of Latin America

Objective

Improving strategies and mechanisms of attraction, access and guidance of Women in Latin-American STEM Higher Education programs

Funding

Funding by the European Union through Erasmus+ Capacity-building in Higher Education Call for proposals EAC/A05/2017

Partnership

15 partners from 10 countries – Chile, Colombia, Costa Rica, Ecuador, Finland, Ireland, Italy, Mexico, Spain, United Kingdom –

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RECENT POSTS

International Day of Women & Girls in Science

International Day of

GRIAL Research Group, University of Salamanca (Coordinator)



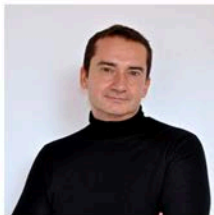
The University of Salamanca (USAL), founded in 1218 and one of the oldest Universities in Europe, is today a modern European University, open to the culture of practically every branch of teaching. Its large experience in international collaborations is documented both in the cooperation agreements in force with over 300 institutions around the world and in the participation of its researchers in several international projects, in particular under the European Programmes. Since 2009, the University of Salamanca has been recognised as Campus of International Excellence (<http://cei.usal.es/en>) by the Spanish Government considering its high quality and excellence in teaching,

training, researching activities and academic life.

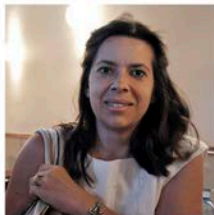
USAL participates in this project through the Research Group in InterAction and eLearning (GRIAL), officially recognised research group by the USAL from 2006, awarded as Group of Excellence by the Regional Government of Castilla y León (GR-47) from 2007 till 2016 and as Consolidated Research Unit since July 2016 (UIC 081).

Information of each partner reviewed and updated

Researchers



Francisco J. García-
Peñalvo (Coordinator)



Valentina Zangrando



Alicia García-Holgado



Juanjo Mena

Local contact forms and contact information



Universidad del Norte



Universidad del Norte is a private non-profit, higher education institution founded in 1966 in the Atlantic Coast of Colombia. We are a fully accredited university, recognized as the most outstanding institution in the region, and one of the top institutionally accredited in the country.

Since 1997, we have hosted Cátedra Europa, which has become an ideal space for the dissemination of relevant initiatives, especially those of social impact to our region. This is a reference space for Colombian, Latin-American and European scholars to present trends and enhance awareness from different academic areas and perspectives.

Universidad del Norte has been concerned with inclusion and retention of women in the educational process, educating during the past 50 years 18,279 women, which is 56% of all our graduates up to date. The Engineering College has a constant concern related to participation of women in its programs, especially those professions with male prevalence.

Faced with this problem, we have focused on the promotion and marketing of engineering programs in schools in the region to ensure better levels of inclusion. Over the past decade, these actions have led to an increase in the population of women in programs such as Civil and Industrial Engineering, but the college remains concerned about women's participation in the other programs, notably the Systems and Computer Science Engineering program where the trend is downward.

The course Gender, Science and Technology was designed to analyze the situation of women in the knowledge society, establish their contribution to the STEM development and identify the mechanisms that produce and reproduce stereotypes that create gender gap in scientific and technological



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<https://www.uninorte.edu.co>
🐦 @

Your Name (required)

Your Email (required)

Subject

Your Message

Information about how get involved



Home » How can I get involved

How can I get involved



Do you want to collaborate with our initiatives and actions to engage more girls in STEM programs?

If the answer is Yes, you can contact one of our partners.

Under the menu "Team" you can select the institution and send a message using the contact form of the institution. You can write in Spanish if the institution is from Latin-America or Spain.



RECENT POSTS

International Day of Women & Girls
in Science



Follow on Instagram

Time zones

Current time in the project

CET Chile (GMT-3) Colombia, Ecuador and Monterrey (MX) (GMT-5) Costa Rica and Guadalajara (MX) (GMT-6)
23:13 19:13 17:13 16:13




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New section for publications and presentations



[Home](#) » Publications

Publications

Conference papers

- García-Holgado, A., Camacho Díaz, A., & García-Peñalvo, F. J. (2019). **La brecha de género en el sector STEM en América Latina: una propuesta europea**. In M. L. Sein-Echaluce Lacleta, Á. Fidalgo Blanco, & F. J. García-Peñalvo (Eds.), *Aprendizaje, Innovación y Cooperación como impulsores del cambio metodológico. Actas del V Congreso Internacional sobre Aprendizaje, Innovación y Competitividad. CINAIC 2019 (9-11 de Octubre de 2019, Zaragoza, España)* (pp. 704-709). Zaragoza, Spain: Servicio de Publicaciones Universidad de Zaragoza. DOI: <https://doi.org/10.26754/CINAIC.2019.0143>.
- García-Holgado, A., Camacho Díaz, A., & García-Peñalvo, F. J. (2019). **Engaging women into STEM in Latin America: W-STEM project**. In M. Á. Conde-González, F. J. Rodríguez Sedano, C. Fernández Llamas, & F. J. García-Peñalvo (Eds.), *Proceedings of the 7th International Conference on Technological Ecosystems for Enhancing Multiculturality (TEEM 2019)* (León, Spain, October 16-18, 2019) (pp. 232-239). New York, NY, USA: ACM. DOI: <https://doi.org/10.1145/3362789.3362902>.

Presentations

- Presentation at CINAIC 2019, Madrid, Spain: <https://www.slideshare.net/grialusal/la-brecha-de-gnero-en-el-sector-stem-en-latino-amrica-una-propuesta-europea>
- Presentation at TEEM Conference 2019, León, Spain: <https://www.slideshare.net/grialusal/engaging-women-into-stem-in-latin-america-wstem-project>

Include a link to the project
website in your institutional
websites!!!!

W-STEM – Building the future of Latin America: engaging women into STEM

Funding: European Union. ERASMUS + Capacity-building in Higher Education Call for proposals EAC/A05/2017

Project type: European

Coordinator: University of Salamanca

Project leader: Francisco J. García Peñalvo

Partners:

Universidad del Norte
 Oulu University
 Politecnico di Torino
 Technological University Dublin
 Northern Regional College
 Tecnológico de Monterrey
 Universidad de Guadalajara
 Universidad Técnica Federico Santa María
 Pontificia Universidad Católica de Valparaíso
 Universidad Tecnológica de Bolívar
 Instituto Tecnológico de Costa Rica
 Universidad de Costa Rica
 Universidad Técnica Particular de Loja
 Universidad Técnica del Norte

Reference: 598923-EPP-1-2018-1-ES-EPPKA2-CBHE-JP

Time: 15/01/2019 to 14/01/2022

Budget: 862.268€

Abstract:

The participation of Women in STEM in the Latin-America region is a very complex problem in which necessarily call for actions from different actors, such as governments, private sector, families, as well the different levels of education (since childhood to higher education).

In order to make concrete contribution, Higher Education Institutions need to focus on those needs and situations in which it has certain influence for making real progress, such as:

- Significant minority of Women choose and access to STEM programs at tertiary level. The lowest rates appears in science and engineering programs.
- Data is scarce, showing a need for analytical and systematic methods, which reflect actual participation of women in STEM at HEIs.
- Tertiary studies with a high math component such as STEM seem to be excluded from the studies options by girls in secondary schools.
- Lack of bridges between public policy and institutional actions led by HEIs.

In this way, and aligned to the Erasmus + Capacity Building priority for improving management and operation of higher education, in terms of access to and democratization of Higher Education, the W-STEM Project aims at Improving strategies and mechanisms of attraction, access and guidance of Women in Latin-American STEM Higher Education programs.

For achieving this main objective, W-STEM project, will

- Measure the gender equality in enrolment and retention rates in STEM programs.
- Implement Universities' policies, strategies and organizational mechanisms for improving attraction, access and guidance at undergraduate levels in STEM programs.
- Promote STEM studies vocation and choice in girls and young women in secondary schools as well as guidance in the first year of the STEM program.
- Develop an online training package for Higher Education Institutions to implement effective strategies to enhance attraction, access and guidance of Women in STEM programs.

Website:

<https://wstemproject.eu/>



Disclaimer

W-STEM (Building the future of Latin America: engaging women into STEM) is a project funded under European Union ERASMUS + Capacity-building in Higher Education Programme [598923-EPP-1-2018-1-ES-EPPKA2-CBHE-JP]

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