



in2sai

INcreasing young women's participation in
Science Studies and in the Aeronautic Industry

Ready for take-off?

In2sai project overview



539439-LLP-1-2013-1-ES-ERASMUS-ESIN

With the support of the Lifelong Learning Programme of the European Union.



Facts and Figures

- Less than 15% of the workforce in AI is female;
- Most women choose to enroll in arts, human studies, and social sciences;
- Women that conclude studies in Science, Technology, Engineering, or Mathematics (STEM) fields are less likely than men to work in these sectors;
- Women in AI often occupy administrative and marketing - related positions;
- Some jobs are still seen as male jobs (e.g. engineers) and others as female jobs (e.g. nurses);
- In scientific research in 2009, female researchers represented less than 35% of all researchers in the EU;
- Europe faces a shortage of perhaps 25,000 engineers per year. Replacement rates for engineers will rise, and aerospace companies will compete for a shrinking pool of technical talent.

(Sources: Ecorys, 2009; Evans, s.d.; OECD, 2011; She Figures 2012; COM (2008) 868/3)

Mission

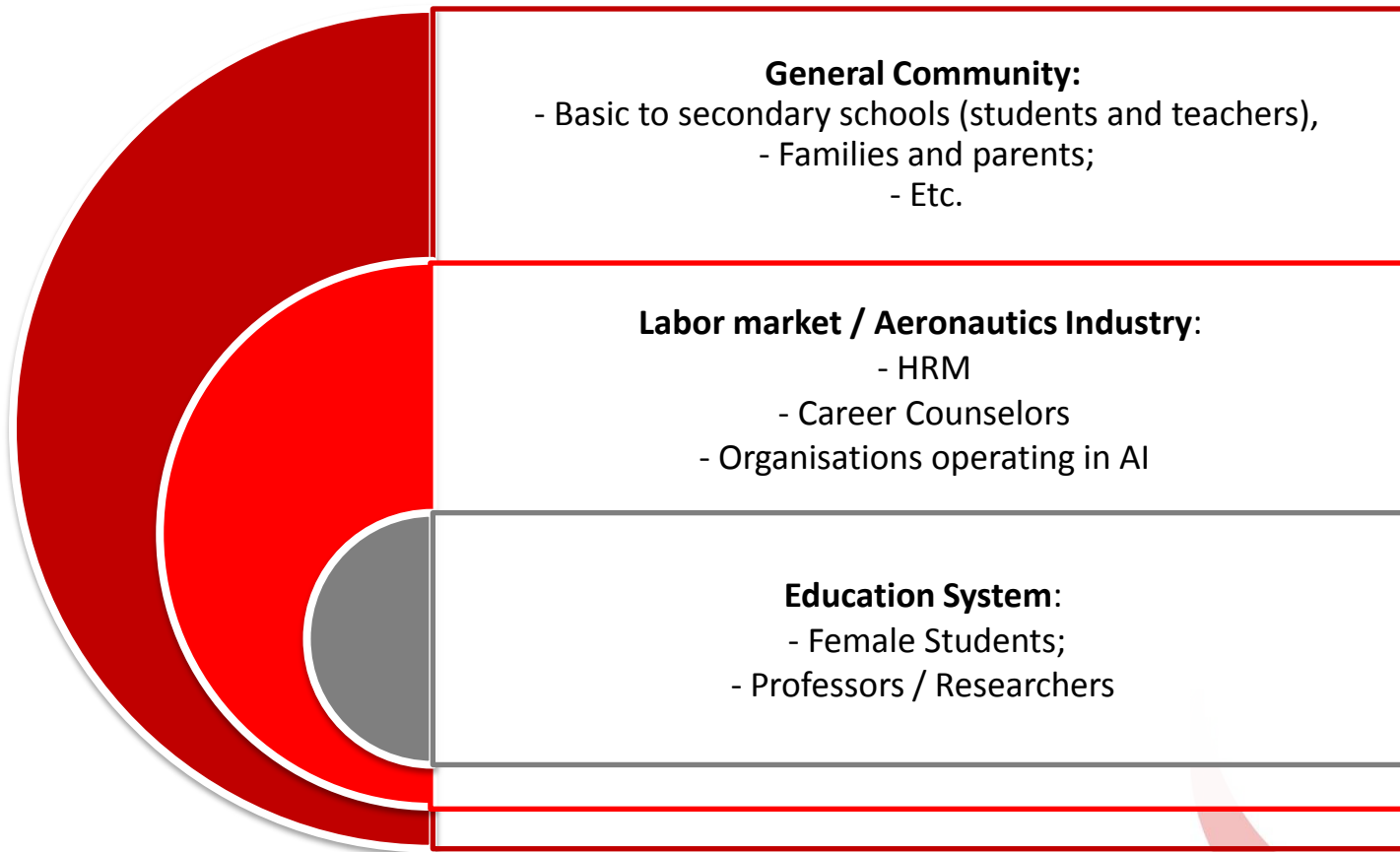
Reducing gender imbalances in sectors and occupations could partly address future skills shortages



In2sai aims to increase the participation of female students in higher education studies in scientific fields (especially those relevant for aeronautics) and to contribute to their integration into the AI

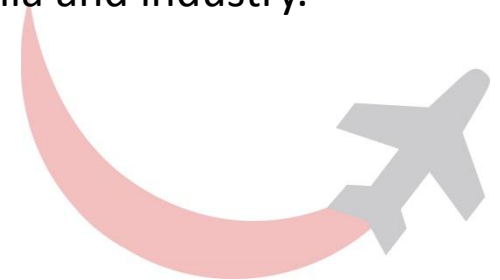


Target Groups



Project Objectives

- Describe the current situation of female participation in scientific studies and AI;
- Identify existing barriers for the female participation in scientific studies and AI;
- Increase the interest of female students/young women for scientific studies and AI careers;
- Raise awareness among the general community of the opportunities for female participation in scientific studies and AI;
- Enhance the collaboration among academia and industry.

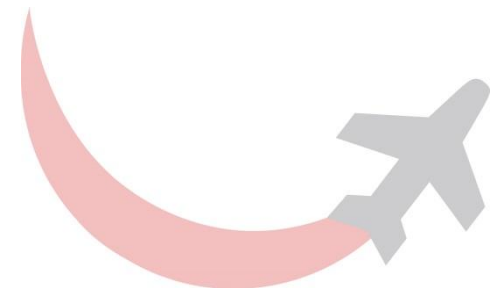


Activities and Outcomes

Analysis of current situation

Description of the current situation of female participation in scientific studies and the aeronautic industry (AI)

- **Desk research** in each country
- **Questionnaires** addressing professors, female students (secondary schools and HE), and HR Managers in AI



Activities and Outcomes

Analysis of current situation

Description of the current situation of female participation in scientific studies and the aeronautic industry (AI)

European survey and desk research:

- To analyse career opportunities in the aeronautics industry and the related participation of female workers;
- To analyse higher education courses linked to the AI and the related participation of female students;
- To analyse the requirements of AI organisations for new employees;
- To assess the representation of young women in higher education scientific courses and in AI jobs;
- To identify the main reasons (e.g. cultural, attitudinal, etc) for the lack of participation of young women in scientific studies and AI jobs.

Activities and Outcomes

Bridging Women – Science & Industry

Increase the interest of young women for scientific courses and careers in the AI

- **Technological Clinics**

Bringing secondary and higher education female students together with researchers in fields related to AI to foster the debate on research as a possible career path and on future needs in research

- **Mentoring Field Trips**

Higher education students will have the opportunity to meet real life cases of women working in AI and learn from their experience

- **Educational programmes**

Analysing the causes for low female participation in scientific studies and AI jobs

Activities and Outcomes

Community Outreach

Raise the awareness of the community in the opportunities for female participation in scientific studies and the aeronautic industry (AI)

- **Case studies report**

Compilation of case studies of successful women in Europe in scientific areas and AI jobs

- **Open Day**

Event with the participation of schools, VET institutions, industry, public authorities, etc. to disseminate HE studies in sciences and jobs in AI and bring science and industry closer to the community

IMPACT			
Target groups	Education system	Labour market / AI	General community
Activities			
Survey and data collection	~ 600 participants	~ 100 participants	---
Technological clinics	~ 420 students	---	---
Mentoring field trips	~ 105 students	(host companies)	---
In2sai Open Days	~ 140 participants	~ 140 participants	~ 70 participants
In2sai Final conference	~ 40 participants	~ 40 participants	~ 20 participants



Framework

Quality Monitoring and Assessment of Results

Project Management & Coordination

Analysis of current
situation

Bridging Women –
Science & Industry

Community
Outreach



Promotion and Dissemination of Results

Framework

- **ERASMUS Multilateral Project**

October 2013 – September 2015

- **Budget**

Total expenditures: **492.525,00 €**

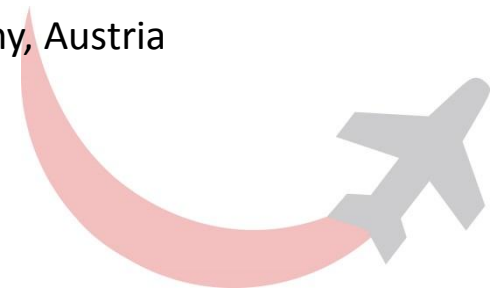
Total grant (75% funding rate): **369.393,00 €**

- **Partners**

7 organisations: 4 Universities, 1 Company of innovation services,

1 Centre of studies and initiatives, 1 European network

6 countries: Spain, Portugal, Italy, The Netherlands, Germany, Austria



SPAIN - Promoter

[Universidad Politécnica de Madrid](#)

Mr. Javier Crespo Moreno

javier.crespo@upm.es



PORTUGAL - Coordinator

[Inova+](#)

Ms. Candela Bravo

candela.bravo@inovamais.pt



ITALY

[University of Bologna](#)

Ms. Francesca De Crescenzo

francesca.decrescenzo@unibo.it



ITALY

[CESIE – European Centre of Studies and Initiatives](#)

Ms. Luisa Ardizzone

luisa.ardizzone@cesie.org



THE NETHERLANDS

[Delft University of Technology](#)

Faculty of Aerospace Engineering

Section of Air Transport & Operations

Prof. Warren E. Walker

w.e.walker@tudelft.nl



AUSTRIA

[E.N.T.E.R. - European Network for Transfer and Exploitation of EU Project Results](#)

Ms. Petra Kampf

petra.kampf@enter-network.eu



GERMANY

[Technische Universität Dresden](#)

Chair of Air Transport Technology

and Logistics, Institute of Logistics and Aviation

Ms. Stefanie Friedel

stefanie_friedel@tu-dresden.de

