



## Agueda Gras-Velazquez, PhD

📍 Elf Novemberlaan 78, B7, 1040 Etterbeek, Brussels, Belgium

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Sex Female | Date of birth 03/04/1977 | Citizenship Belgian / Spanish

### OVERALL EXPERIENCE

- Built the Science Education Department at European Schoolnet from one to 15 full-time staff.
- Involved in 44 European Commission funded projects (FP7, H2020, LLP, KA2, KA3) and 15 private funded projects, including: 15 as lead coordinator (with up to 30 external organizations as partners), 25 as supervisor of the project managers, eight as manager of organisation's contributions, and six as member of the Advisory Board.
- Organised four conferences (250 – 600 participants from teachers to researchers and policy makers), four summer schools (100 – 180 participants), 40+ workshops (20 – 80 participants).
- Over 60 presentations at different events and to different audiences (up to 600 attendees).
- Led the design of 13 websites/portals and co-author of over 20 publications, most on Science Education research and evaluation.

### WORK EXPERIENCE

<b>May 2008 – present</b>	European Schoolnet (EUN), Rue de Treves 61, Brussels, 1040, BE
<i>May 2010 – present</i>	<b><i>Science Programme Manager / Head of the Science Education Department</i></b>
<i>May 2008 – Apr 2010</i>	<b><i>Maths, Science and Technology Coordinator / Project Manager</i></b>

Main achievements as member of the EUN management team (2010 – present):

- Developed and managed process to forecast HR needs, time allocation and financial reporting of staff to all projects of whole organisation (70 full-time staff), providing clearer information on availability of resources, reducing time needed for reporting and helping the director keep better track of staff budget in projects.
- Updated travel regulations for organisation, facilitating the process for staff and ensuring eligibility of costs, through more accurate and reliable procedures.
- Launched EUN-wide TEDx-like presentations programme and EUN training sessions (on for example MS Word and Excel, as well as budget management), helping staff develop.
- Represented EUN at meetings with Ministries of Education and Industry.

Main achievements as Programme manager / Head of the Science Education Department (2010 – present):

- Built team from an individual contributor to a 15 full-time staff department.
- Ensured ~60 projects were delivered on time, within budget and to specifications.
- Managed the Science Education Department and its budget (depending on the year: 10 to 18 projects, 8 to 16 staff and 1 M€ to 2 M€).
- Ensured exploitation of economies of scale and reduced coordination costs and risks across all Maths and Science projects. Main interest: long-term aggregated results.
- Successfully secured funding for the team through European Commission grants and private contracts (led the writing of proposals as well as negotiations).
- Launched the Ministries of Education (MoE) STEM representatives Working Group, a platform of discussion and exchange for MoE regarding their STEM education policies in 2016 and grew it to include 23 Ministries of Education by the end of 2019.

Main achievements as Project manager (2008 – present):

- Organised ~50 events from 20 to 600 participants (from logistics to programme and participation).
- Developed Scientix, the community for Science Education in Europe (2010 – ongoing), including: creation of network of Teacher Ambassadors with almost 500 teachers from over 40 countries; launch and running of the annual STEM Discovery Campaign (the 2019 campaign reaching over 120,000 students).
- Managed the European Schoolnet Academy (EUNA), offering online courses for teachers (2017 – 2019). During this period, I streamlined processes, ensured we could handle over 100 MOOCs (10 – 15 running per year before 2017), got some regions to offer accreditation of courses in the EUNA; and oversaw the testing and transfer of the platform from Liferay to OpenEdx.

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**Jan 2003 – Apr 2008**      tic@t, Departament de Física Aplicada, Universitat d'Alacant, ES

*Jan 2005 – Apr 2008*      **Manager and Administrator of on-line courses tic@t**

*Jan 2003 – Apr 2005*      **Instructional Designer and on-line Tutor**

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Main achievements as Manager:

- Led team of 10 associates (including tutors and administration personnel) and liaised between the different organizations working with tic@t.
- Managed scheduling, delivery and quality control of courses materials and web pages, as well as writing the organization's specifications documents.
- Installed and set up the different Moodle platforms with the courses, adapting the courses to the platforms and training both tutors and students in the use of Moodle.

Main achievements as Instructional designer and tutor:

- Designed and tutored courses on ECDL, Spreadsheets – MS Excel, Text processors – MS Word and Science and women: a gender perspective

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**Nov 2007 (short term contract)**      CEFIRE – Benidorm, C/ Moscú, s/n. 3503 Benidorm, Alacant, ES  
**Tutor and co-designer of Astrophysics course**

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Main achievements as tutor and co-designer:

- Co-designed on-line course “Astrophysics: Observations and Theories”, for High School Teachers.
- Co-tutor of course organized by CEFIRE – Benidorm, Spain

## EDUCATION AND TRAINING

**Oct 2001 – Nov 2006 PhD in Astrophysics** from Trinity College Dublin, carried out in the Dublin Institute for Advanced Studies (DIAS), Ireland. DIAS is a statutory corporation established in 1940 under the Institute for Advanced Studies Act of that year. It is a publicly funded independent centre for research in basic disciplines. PhD thesis: “Disks Around Weak-line T Tauri Stars”. Area of research: Star Formation. The research involved: photometric data reduction, analysis and interpretation; and modelling of the results.

**Oct 1996 – Jul 2001 Honours degree in Physics** from the University of València, Spain. First three years of the degree: undergraduate courses in Physics (theoretical and experimental subjects) and Mathematics, in about the same amount. Last two years of the degree: advanced courses in Astrophysics, Cosmology, Stellar Evolution, General Relativity, Quantum Field Theory, Electronics, Elementary Particles and Nuclear Physics.

## PERSONAL SKILLS

Mother tongue(s)	Catalan and Spanish.				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	B2	B2	B1	B1	A2
German	B1	B1	A2	A2	A1
Italian	B1	B1	A1	A1	-
Polish	A1	A1	A1	A1	-
Dutch	A1	A1	A1	A1	-

*Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user*  
*Common European Framework of Reference for Languages*

**Organisational skills and competences** Significant experience in coordination and administration of international teams and working in multicultural and multilingual environment. Experience obtained throughout the years at EUN, the PhD studies and working for tic@t.

**Computer skills and competences**

- Windows: MS Office Products (Excel, Word, PowerPoint) and general Windows environment.
- UNIX/LINUX: vi & emacs text-editors, LaTeX, script writing, ...
- Others: OpenOffice.org (Write, Calc Impress, Math and Draw), Moodle, Drupal, WordPress, HTML, PHP, CSS.

**Driving licence** B1

## SELECTED PUBLICATIONS

- Boiko, A., Nistor, A., Kudenko I. & Gras-Velazquez, A. (2019). **The attractiveness of Science, Technology, Engineering and Mathematics subjects. Results from five countries.** September 2019, European Schoolnet, Brussels. <https://bit.ly/2MuedV2>
- Durando, M., Sjøberg, S., Gras-Velazquez, A., Leontaraki, I., Martin Santolaya, E. & Tasiopoulou, E. (2019). **Teacher Training and IBSE Practice in Europe – A European Schoolnet overview.** March 2019, European Schoolnet, Brussels <http://files.eun.org/Amgen-EUN-IBSE/AmgenTeach-EUN-IBSE-FINAL.pdf>
- Nistor, A., Gras-Velazquez, A., Billon, N. & Mihai, G. (2018). **Science, Technology, Engineering and Mathematics Education Practices in Europe.** Scientix Observatory report. December 2018, European Schoolnet, Brussels <http://www.scientix.eu/documents/10137/782005/Scientix-STEM-Edu-Practices-DEF-WEB-Dec-2018.pdf>
- Jimenez Iglesias, M., Faury, M., Iuliani, E., Billon, N. and Gras-Velazquez, A. (2018) **European STEM Schools Report: Key Elements and Criteria.** European Schoolnet, Brussels [http://files.eun.org/STEMSchoolLabel/STEM-School-elements\\_and\\_criteria\\_full\\_report.pdf](http://files.eun.org/STEMSchoolLabel/STEM-School-elements_and_criteria_full_report.pdf)
- Gras-Velázquez, À., Price, J. K., Dzoga, M. & Pastuszynska, I. K. (2014): **The European Science Fairs Evaluation Framework - 2014 study**, September 2014 <http://files.eun.org/Intel-EUN-SciFairs/Intel-Science-Fairs-Evaluation-Framework-2014-FINAL.pdf>