



## ¿IS SCIENCE GENDERED? REFLECTIONS AND EXPERIENCES FROM THE NORTH AND THE SOUTH OF EUROPE FROM 21 TO 25 JULY

**Director:** Marta Arregi García-Miguel. Universidad Complutense de Madrid, director of NILS Science and Sustainability programme.

**Secretary:** Andoni Alonso Puelles. Universidad Complutense de Madrid.

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**F**rom scientific studies, it is accepted as an evidence the inequality among men and women concerning the scientific and technology production, as well as the existence of barriers that are specific to women in relation to the access to relevant positions in academia, in private companies and in the administration. Such obstacles have generated a deep reflection on the social nature of science and technology and their relation with gender issues.

NILS Science and Sustainability promotes research and advanced training activities related to the general scope of Earth Sustainability and Human Well-being. To this aim, it funds mobility of researchers from Spain, Norway, Iceland and Liechtenstein, in order to carry out joint research programmes. Within this frame, the course offers the opportunity to exchange reflections on the social nature of science, that is, to compare the situation of women's access to production, use, justification and decision about science and technology, as well as to identify experiences allowing to promote their participation, at an international level.



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FROM 21 TO 25 JULY

## Monday, 21 July

10.30 h. Opening of the course.

**Johan Christopher Vibe.** Ambassador of Norway in Spain.

**José María Piñero Campos.** Director General of European Funds. Spanish Ministry of Finances and Public Administrations.

**Andrés Arias Astray.** Vice-rector for interational relations, Universidad Complutense de Madrid. President of NILS Science and Sustainability programme.

10.30 h. **Stephanie Bird.** Co-Editor-in-Chief of *Science and Engineering Ethics*. Dr. Stephanie J. Bird is a laboratory-trained neuroscientist whose graduate work at Yale and post-doctoral fellowships at Johns Hopkins and Case Western Reserve University dealt with the effects of psychoactive substances on brain function. Current research interests focus not only on neuroethics but also on the ethical, legal and social policy implications of research and technology in general. She lectures and consults on professional ethics, and the integration of the responsible conduct of research and ethics into science and engineering education and the development of training programs. Her theoretical and laboratory training have been complemented by work in areas of ethical and legal philosophy. As Special Assistant to the Provost and Vice President for Research at the Massachusetts Institute of Technology (MIT) from 1992 to 2003, Dr. Bird worked on the development of educational programs that addressed ethical issues in science and engineering, professional responsibilities, and ethical issues in research practice and science and engineering more generally. While at MIT she also taught courses on the responsible conduct of research, and those that consider the ethical and social policy implications of science and technology. In addition, she headed the Ethics Domain of the VaNTH biomedical engineering educational consortium consisting of Vanderbilt, Northwestern, the University of Texas, and the Harvard-MIT Health Science and Technology program. Dr. Bird has written numerous articles on issues in the responsible conduct of research and on mentoring and other responsibilities of science and engineering professionals. She co-edits the international journal *Science and Engineering Ethics* which explores issues of direct concern to scientists and engineers related to both the practice and application of science and technology. The journal, published by Springer, is widely abstracted and indexed and was recently cited by the National Academy of Science as a leading resource for scholarly articles on research integrity. Dr. Bird is an active member and Fellow of the American Association for the Advancement of Science (AAAS) and has been Secretary of the Societal Impacts of Science and Engineering Section of the AAAS since 1995. She is also an active member of both the Society for Neuroscience, where she chaired the Social Issues Committee from 2003-2005, and the Association for Practical and Professional Engineering Ethics. In addition, in 1990 and 1991, Dr. Bird served as President of the Association for Women in Science (AWIS), a national organization with 5000 members and over 80 chapters across the US.



She was Director of the first AWIS Mentoring Project which was designed to encourage and support undergraduate and graduate students in their pursuit of careers in math, science and technology. As an independent consultant and speaker Dr. Bird has worked on a variety of projects with a number of educational institutions, government agencies, professional societies, corporations, and law firms

- 12.00 h. Inés Sánchez de Madariaga.** Director of the Unit Women and Science and the Canibet of the State Secretary of Research, Development and Innovation of the Ministry of Economy and Competitiveness and associate professor of urban planning at the School of Architecture of Madrid. She has been Jean Monnet Visiting Professor at the School of Architecture Bauhaus Weimar, and Visiting Scholar at the Columbia University and the London School of Economics and Political Science. She has excerced public responsibilities as deputy director of architecture and executive advisor of the Ministry of Housin. Founder and director of the first Spanish research group on gender, architecture and urban planning. She is autor of six books and about forty papers, and represents Spain at the Helsinki Group on Women and Science, which advices the Director General of Research, European Commission. She has been president of the Experts Group of the European Commission "Structural change of scientific institutions" and co-author of the Haifa Declaration of the UNESCO Women in Science and Technology. She is co-director of the Project Gendered Innovations, Stanford University – National Science Foundation – European Commission, and president of the COST network Gender, Science, Technology and Environment (genderSTE) in which governments, universities, sme and associations from over 30 countries participate.

**Gender in the new European Programme Horizon 2020.**

- 16.30 h. Round table: ¿Is science gendered?**  
Moderates: **Andrés Arias Astray.** Participants: **Stephanie Bird, Amelia Valcárcel;** presentation by por **Andoni Alonso Puelles.** Universidad Complutense de Madrid. Studied ant the University of Navarra and obtained his PhD at University of Basque Country. Visiting researcher at Penn State University and Visiting Professor at Nevada University at Reno, Reno. He has taught at University of Extremadura and currently he is profesor at Universidad Complutense de Madrid. Winner of the 5th national prize of the Epson Foundation, Institute of de Technoethics, for the book La Quinta columna digital (Gedisa, 2004). His research interests are: information society and its ethical, politic and thinking implications. Author of several books, among others: La nueva ciudad de Dios, Siruela, Madrid, 2002, Carta al homo ciberneticus, Edaf, Madrid 2003, Diasporas in the New Media Age (Nevada University Press, 2010), Knowledge Communities (CBS Reno, 2011), Autoridad Expandida, Naturaleza Común y saber profano (Universidad de Quilmes) and ¡Todos Sabios! Ciencia Ciudadana y Conocimiento Expandido (Cátedra 2013).

## Martes, 22 de julio

- 12.00 h. Tamar Melanie Haijstra.** University of Iceland. Postdoctoral researcher. She works on the projects "Working in Academia: A perspective of Faculty and Family" and "Gendering the Academia and Research: combating Career Instability and Assymetries (GARCIA), funded by the European Union.  
**The Gender Gap in Icelandic Academia.**
- 12.00 h. Carlos Hernández Sande.** Universidad Santiago de Compostela (to be confirmed).
- 16.30 h. Round table: Women and Science in Spain and Norway.**  
Moderates: **Andoni Alonso Puelles.** Participants: **Carlos H. Sande (to be confirmed), Tamar M. Haijstra.** Presentation by **Flora de Pablo.** Center of Biological Research,



National Head Research Council; member of the Association of Women Researchers and Techologues; Specialist in celular and molecular medecine. Among others, she has been elected between the 100 Top Leading Women in Spain by Women&Cia (2008), member of the Russian Academy of Nature and Society (2008), chair of the patronage of the Foundation Vodafone (2008), SET-Routes University Ambassador (programme of the European unión coordinated by the EMBL, 2007-2009). She has supervised more than ten PhD thesis and is frequently invited to give talks on scientific topics and around the issue of women and science.

## Wednesday, 23 july

- 10.00 h. Amelia Valcárcel.** Professor of Moral and Politic Philosophy at UNED. Member of the State Council. Vice-president of the Royal Patronage of the Prado Museum. Board of the IUMP. Author of ten books, fifty chapters of books in collective works and more than a hundred papers, she has been twice finalist of the National Prize of Essay with the books Hegel and the Ethics (1987) and On the fear to equality (1993). Editor of The concept of Equality (1995), she has published Sex and Philosophy (1991, 93, 95 and 97), The politics of women (1997, 98, 2004), Ethics versus Aesthetic (1998, Brasil 2005), The challenges of Feminism before XXI century (2000), of which she es Editor, Rebels (2000), Thinkers of XX Century (2001), of which she is also coordinator and editor. Other works are The sence of Freedom (2001), and Ethics for a global world (2002-2007). Her more recent books are Let's talk abot god (2007), in collaboration with Victoria Cams and Feminism in a global world (2008, 2009). She has been Reponsible of Education and Culture in the Government of the Asturias Region. Director or member of ten Research projects during the last fifteen years. She is member of various Councils and Boards (Carolina Foundation, Royal Elcano Institute), Edition Boards, Jurys, Commissions and Patronages. She has presided and directed numerous courses and seminars, at a national and international level, and cooperated with the PhD programmes of universities in Spain and in South America, at the UIMP, the Centre for Constitutional Studies and the General Council of the Judicial Power.
- 12.00 h.** Extraordinary conference open to participants from all courses.
- 16.30 h. Round table:** Women and Science en Spain, Iceland and Norway.  
Moderates: **Andoni Alonso Puelles**. Participants: **Amelia Valcárcel**; **Capitolina Díaz** (to be confirmed).

## Thursday, 24 july

- 10.00 h. Tone Bratteteig.** University of Oslo. Professor at the Faculty of Mathematics and Natural Sciences, specialist in information systems. Here research interests focus on the design of information systems, design with digital material; use of information systems, use practices, effects of technical solutions; participatory design; human computer interaction, interaction design and computer supported cooperative work. She es member of the department of informatics board, member of the informatics study program board, member of the advisory board of The Study Lab and member of the board of Computers in public and private administration, Faculty of Law. She has written numerous papers in international journals and several books.  
**Women in science and technology in Norway: some experiences.**
- 12.00 h. Ma Li.** University College of Nesna. Norway.  
**Women in science and technology in Norway: some experiences.**

- 16.30 h. Round table:** How to promote women's participation in science.  
Moderates: **Pilar Soler**, Ministry of Finances and Public Administrations. Participants: **Tone Bratteteig**; **Carlos Hernández Sande** (to be confirmed), **María Teresa García Nieto**.  
Includes a presentation to be given by **María Teresa García Nieto**. Associate professor, Universidad Complutense de Madrid. She has been vice-dean of the Center of High Studies Felipe II of the Universidad Complutense de Madrid. She compatibilizes her teaching and research tasks with advising consultancy on communication. She is director of a research project which aims to promote the equality in scientific information, funded by the Ministry of Health, Social Affairs and Equality.

### Friday, 25 July

- 10.00 h. Eulalia Pérez Sedeño.** Studied and obtained her PhD in Philosophy at Universidad Autónoma de Madrid; she is professor of philosophy and logics of science at Universidad de País Vasco and Professor of Science, technology and gender at the Consejo Superior de Investigaciones Científicas. She has written *El rumor de las estrellas* (1986), *Las mujeres en el sistema de ciencia y tecnología. Estudios de casos* (2001), *Ciencia, tecnología y valores desde una perspectiva de género* (2005), *Igualdad y equidad en ciencia y tecnología: el caso iberoamericano* (Arbor, 2008) and, published by Plaza y Valdés, *Un universo por descubrir. Género y Astronomía en España* (2010). She has directed numerous research projects on science, technology, gender and history and philosophy of science.  
**Science and gender: a Spanish perspective.**
- 12.00 h. Closing and diplomas.**  
**Carmen Plaza Martín.** General director. General Direction for Equal Opportunities, Ministry of Health, Social Affairs and Equality.