

## Dr Jean-Claude WORMS

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59, French, married, one daughter

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### CHIEF EXECUTIVE EUROPEAN SCIENCE FOUNDATION (ESF)

2016-to date

Since April 2016 I am the Chief Executive of the ESF, where I lead a dedicated team of science professionals committed to the success of the ERA. The ESF has undergone profound changes in the past few years to concentrate on activities designed to support and sustain the funding and conduct of scientific research across Europe. The aim remains to promote scientific developments through collaborative actions, but with the emphasis shifting to helping funding organisations carry out their decision making processes.

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### CHIEF OPERATING OFFICER EUROPEAN SCIENCE FOUNDATION (ESF)

2015-2016

- Driving the future development of the ESF's global strategy and activities and ensuring the delivery of ESF's commitments through scientific quality assurance, in collaboration with the CEO and President.
- Daily management of the organisation and leading of the ESF scientific and administrative staff.
- Relations with ESF governance.
- Contributing to the development of a dynamic role for ESF in the European Research Area.
- Supervising the activity of the five Expert Boards and Committees in radio-astronomy frequencies (CRAF), space sciences (ESSC), marine sciences (EMB), polar sciences (EPB), material sciences (MatSEEC) and nuclear physics (NuPECC). These expert bodies advise intergovernmental agencies and Ministers, as well as the European Union, so the position implies frequent official representation in various high-level bodies, e.g. the ESA Council of Ministers, OECD, or the United Nations.
- Member of ESF's upper-level management, reporting directly to the Chief Executive.
- Main tasks: restructuring; strategy definition; change management; management and strategic planning; relations with governance; programme evaluation and reviewing; science and technology intelligence monitoring and reporting; external relations and communication; fund raising and budget management; staff supervision.

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#### Overview

Over 25 years of experience in research management in, and of, international scientific institutions, assessing programmatic aspects of R&D agencies, coordinating policy and strategic matters at national, European and international level between agencies and scientific communities, and dealing with high-level officials including Ministers, executives and scientific interest groups worldwide. Over 15 years of research experience managing European and international large-scale projects. 4 years of teaching in universities.

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#### Education

**Ph.D. Physics (astronomy & space science)**  
Université Pierre et Marie Curie (UPMC-Paris VI), 1993  
**M.Sc. Applied Physics**  
Université Pierre et Marie Curie (UPMC-Paris VI), 1988  
**French Baccalauréat (Maths & Physics)**  
Lycée Voltaire, Paris, 1976  
**U.S. High School Graduation Diploma**  
Westport Rd. High School, Louisville KY, USA, 1975

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#### Previous Professional Experience

*European Science Foundation*  
**HEAD, SCIENCE SUPPORT OFFICE**

2013-2015

Managing the ESF scientific programmes and related activities in the domains of natural sciences as well as social sciences and humanities.

- Supervising the activity of the five ESF Scientific Review Groups in these domains, as well as of the 6 ESF Expert Boards and Committees.
- Member of ESF's upper management, reporting directly to the CEO.
- Main tasks: change management (2013-2015); management and strategic planning; programme evaluation and reviewing; science and technology intelligence monitoring and reporting; external relations; fund raising and budget management; staff supervision.

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*European Science Foundation*  
**HEAD OF UNIT, PHYSICAL, ENGINEERING AND SPACE SCIENCES**

2011-2012

Managing the ESF scientific programmes and networks in the areas of physics, mathematics, chemistry, engineering, nuclear physics, astronomy radio-astronomy, and space sciences.

- Supervising the activities of five ESF Scientific Committees: PESC (physics & engineering Standing Committee), ESSC (space sciences Expert Board), MatSEEC (material sciences Expert Board), CRAF (radio-astronomy frequencies Expert Board) and NuPECC

*European Science Foundation*  
**HEAD OF UNIT, SPACE SCIENCES**

2007-2011

**ESSC Executive Scientific Secretary**

- ESSC is a strategic board of ESF on space sciences. It advises ESA, the Ministers of ESA Member States, and various bodies of the EU.
- Main tasks : management and strategic planning; programme evaluation and review; space-related reports; management of external contracts (ESA, EC); external relations and communication; report drafting and publication; fund raising and budget management; staff supervision.
- High-level representation, e.g. at ESA Ministerial Councils (observer)

*European Science Foundation*

1994-2007

**ESSC EXECUTIVE SCIENTIFIC SECRETARY (1998-Present)**

**Scientific Assistant to the ESSC Chair (1994-1997)**

- Strategy proposal and planning; support to the Chair; programme evaluation and reviewing; intelligence reports; external relations and communication; report drafting and publication; meeting organisation; budget management.

*CNRS Service d'Aéronomie and LPCE, ENSPS LSIIIT*

1994-2005

**RESEARCH ASSOCIATE**

*DASSAULT Espace*

1993-1994

**CONSULTANT**

*Universities Paris 6 (UPMC) and Versailles Saint-Quentin (UVSQ)*

1989-1992

**ASSISTANT PROFESSOR**

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**Research experience**

- Main Scientific Organiser or Deputy Organiser of the Committee for Space Research's (COSPAR) Assemblies (1996-present)
- Member of the Editorial Board of the International Journal on Nanotechnologies, *Inderscience* (2003-present)
- Coordinator and Public Relations Scientist of the ICAPS experiment on the International Space Station (1999-2004)
- Principal Investigator, PROGRA2 experiment, 17 CNES (French space agency) & ESA (European Space Agency) parabolic flight campaigns (1993-2004)
- Co-Investigator and Project Scientist, CODAG-SRE experiment, ESA sounding rocket flight MASER-8 and parabolic flight campaigns (1996-1999)
- Team Member, PHOBOS-Sténopé, PHOBOS-Caméra and Mars 94/96 (1989-1993)
- Principal Investigator, LIBRIS experiment proposal with the French industrial SAGEM, CNES and ESA IIT (1997-2003)
- Associate Team Member, CONSERT / ROSETTA (1995)
- Team member SARIM, proposal in response to the ESA Cosmic Vision Call (2007)
- Referee for several international scientific journals ICARUS (1996), *Advances in Space Research* (1998-1999 and 2002-2006), *Acta Astronautica* (2010)
- Member of ESA's Topical Team on the « Study of Pre-planetary Dust Aggregation » (1996-1999)
- Evaluation of the German-Russian astrophysics ISLA programme with ESSC (1996)
- Evaluation of the Italian SAX mission with ESSC (1993)

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**Membership and previous experience**

- Who's Who in the World ® (2008-Present)
- Who's Who in Science and Engineering ® (2006-Present)
- President and Vice-President, Academic Affairs, AAAF branch of Alsace (2001-2004)
- Secretary General of the branch of Alsace of AAAF (Association Aéronautique et Astronautique de France), 1999-2000
- Member of the EUROSCIENCE association (1998-Present)
- COSPAR Associate (1996-Present)
- Member of EGS – European Geophysical Society (1995-1997)
- Member of ELGRA – European Low-Gravity Association (1994-2008)
- Member of SPIE – International Society for Optical Engineering (1993-1994)
- President of PLANET 6, association of aerospace professionals and students (1988-1995)
- Member of the Board and Student Vice-President, Université Paris 6 (1987-1988)
- Member of the Commission "Demain l'Université" appointed by the French Minister of Higher Education (1987)
- Member of the UPMC Executive Council and Student Vice-President (1983-1988)

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**Languages**

- English                      Bilingual proficiency
- French                        Native proficiency
- German                       Limited professional proficiency
- Chinese Mandarin        Elementary proficiency