

Research Integrity and Open Science

Conference hosted by the French Office for Research Integrity (OFIS)

Thursday 4 April 2019, 9:15 – 17:30

Université Paris Diderot Amphithéâtre Buffon

15 rue Hélène Brion - 75013 Paris

Register for this conference

Deadline: 01/04/2019

Scientific Committee

Joëlle Alnot (OFIS), Léo Coutellec (POLÉTHIS), Marin Dacos (CoSO), Florence Egloff (CPU), Jean-Pierre Finance (CoFIS), Emmanuel Hirsch (POLÉTHIS), Paul Indélicato (CPU), Michèle Leduc (CoFIS), Olivier Le Gall (CoFIS), Sylvie Rousset (CNRS), Stéphanie Ruphy (CoFIS).

Presentation

The impact of science on human activity as a whole is constantly growing and the sheer volume of scientific activity has increased continuously over recent decades. In this context, two prominent movements have come to define contemporary thinking about the way we approach science: an insistence upon the importance of rigour, probity and quality in the methods we use; and, concomitantly, a drive for greater transparency, openness and sharing of knowledge, embodied by the "Open Science" movement. This trend goes hand in hand with the affirmation and appropriation – at the institutional, collective and individual levels – of the core values of scientific practice: responsibility, universality, rigour, sharing and commitment to the common good.

The aim of this spring conference of the French Office for Research integrity (OFIS) in partnership with the Conference of University Presidents (CPU), the Committee for Open Science (CoSO), the CNRS and the Research Ethics and Integrity Council of Université Paris-Saclay (POLÉTHIS), is to share experiences and analyses, and to outline future actions capable of contributing to this dynamic. This conference will thus seek to identify opportunities for synergy between research integrity and open science, while also highlighting the pitfalls to be avoided.

In our exploration of these topics, the concept of open science will be considered in its broadest sense: accelerating the dissemination of knowledge, opening up scientific publications, opening up access to research data, participative science and social outreach, etc. This inaugural OFIS conference will primarily address issues relating to the opening up of publications and data. Violations of research integrity will also be addressed in all their diversity (fabrication, falsification, plagiarism, other shortcomings and questionable practices).

This conference should enable us to identify a certain number of principles, criteria and modes of action conducive to the spread of essential best practices, and to the development and deployment of open science with unstinting respect for the principles of research integrity.

Programme

08:45 - 09:15: Participants arrive

09:15 - 09:30: Introduction

- **Christine Clerici**, President of Université Paris Diderot
- **Michel Cosnard**, Hcéres President
- **Joëlle Alnot**, Director of the French Office for Research Integrity (OFIS)

Session chaired by: **Jean-Pierre Finance**, Emeritus Professor, Université de Lorraine, Member of the French Advisory Board for Research Integrity (CoFIS)

09:30 - 10:30: Research Integrity and Open Science, Reaffirming the Values of Science

The preoccupations of the contemporary scientific community require us to rethink our paradigms, methods and tools. Questions of ethics, research integrity and social responsibility traverse and transform the way science is practiced in today's world. The remarkable expansion of the dissemination of knowledge, reinforced by the open science movement, brings with it new theoretical frameworks in need of reflexive analysis. Reaffirming the fundamental values of science is more pertinent than ever in the current climate.

09:30 - 10:10: Address by **Pierre Corvol**, President of the Académie des Sciences

10:10 - 10:30: Discussion opened to the floor

10:30 - 10:50: Coffee break

10:50 - 12:45: Research Integrity and Open Science: Opportunities, Risks and Tensions

If we consider science to be a common good to be shared as widely as possible, then open science must be a key component of this process and a national and international priority. This movement – devoted to creating an ecosystem conducive to transparency and faster, universal access to knowledge – represents a paradigm shift, requiring new decisions and new practices to address the scientific and social challenges of the age. We need to take the full measure of the consequences of this transformation in terms of the opportunities and risks it entails, at both national and international levels, by confronting these new practices with the fundamental principles of scientific integrity.

10:50 - 11:50: Speakers

- **Henriikka Mustajoki**, National Coordinator for Open Science, Finland
- **Claude Kirchner**, Emeritus Director of Research, INRIA

11:50 - 12:20: Discussion with

- **Léo Coutellec**, Professor of Epistemology and Ethics in Contemporary Sciences, Université Paris-Sud - Paris-Saclay, Research Ethics and Integrity Council (POLÉTHIS)
- **Rémy Mosseri**, Director of Research and Research Integrity Officer, CNRS
- **Antoine Triller**, Director of Research, INSERM, Research Integrity Officer, PSL

12:20 - 12:45: Discussion opened to the floor

12:45 - 14:00: Lunch break (buffet provided)

14:00 - 15:20: Open Access Publications, a Challenge for Research Integrity?

The requirement of open access to publications, implemented in France under the aegis of the Plan S, aims to make all publications totally open by 2020. This new model of dissemination represents a major opportunity for integrity in research (registration in open archives, accessibility etc.). However, this openness also requires a great degree of vigilance. This round-table session will cover a broad array of topics relating to open access: remaining sensitive to disciplinary specificities, taking into account the diversity of editorial practices (bibliodiversity), financial implications and political strategies, and research evaluation methods.

Moderator: **Marin Dacos**, Open Science Advisor to the Director General for Research and Innovation, MESRI, member of the CoSO

14:00 - 15:00: Round-table discussion

- **Philippe Feldmann**, Delegate for Ethical Standards and Research Integrity, CIRAD
- **Alexei Grinbaum**, Philosopher, Researcher at LARSIM laboratory, CEA-Saclay
- **Agnès Henri**, Director General of EDP Sciences
- **Marie-Ange Ventura**, retired INSERM researcher, Association Nationale des Docteurs (ANDès)

15:00 - 15:20: Discussion opened to the floor

15:20 - 16:40: Open Access to Data, a Challenge for Research Integrity?

For more than a quarter of a century now, driven by the rise of digital technologies, access to research and large databases (Big Data) has considerably expanded the sharing of knowledge and reinforced the necessary conditions for research integrity (conservation of data, facilitating the reproducibility of experiments, guaranteeing the transparency of data sources etc.). This spirit of openness, contributing to the spread of "best practices," nevertheless represents a challenge and requires careful reflection on the conditions of its implementation, without losing sight of the risks it entails (loss of data integrity, theft etc.). This round-table discussion will attempt to define the current state of play in this ever-evolving environment.

Moderator: **Sylvie Rousset**, Research Director, Director of the Scientific and Technical Information Department (DIST), CNRS

15:20 - 16:20: Round-table discussion

- **Nathalie Drach-Temam**, Vice-President for Research, Innovation and Open Science, Sorbonne Université
- **Odile Hologne**, Delegate for Scientific and Technical Information, INRA
- **Lionel Maurel**, Deputy Scientific Director, INSHS – CNRS
- **Frédéric Villieras**, Vice-President of the Scientific Council of Université de Lorraine

16:20 - 16:40: Discussion opened to the floor

16:40 - 17:10: Synthesis and Future Perspectives

Successfully marrying the vision of the open science movement with the values which underpin scientific integrity will require certain commitments from all stakeholders in the research community. Avenues for future research need to be explored now, backed up by careful reflection which encompasses the means for action to be envisaged as well as the pitfalls which might arise. Plans of action need to be sketched out, and further debates conducted, in order to develop concrete tools capable of moving research practices forward while safeguarding the fundamental values of science.

Session chaired by: **Joëlle Alnot**, Director of the French Office for Research Integrity (OFIS)

- **Pierre Corvol**, President of the Académie des Sciences
- **Marin Dacos**, Open Science Advisor to the Director General for Research and Innovation, MESRI, CoSO member
- **Olivier Le Gall**, President of the French Advisory Board for Research Integrity (CoFIS)
- **Pierre Ouzoulias**, Senator, member of the French Parliamentary Office for Scientific and Technological Assessment (OPECST)

17:10 - 17:30: Closing address