

DEFINE THE GLOBAL AND FINANCIAL IMPACT OF RESEARCH MISCONDUCT



INTEGRITY & QUALITY IN SCIENCE :

THE SOCIETAL COSTS OF RESEARCH MISCONDUCT

1st INTERNATIONAL WORKSHOP

PARIS, 30-31 JANUARY 2017

OBJECTIVES OF THE 1ST INTERNATIONAL WORKSHOP

The DEFORM Project's 1st International Workshop will bring together a diverse group of specialists in knowledge quality, integrity of research processes and outcomes, science funding, publication, evaluation methods, Internet, and related socio-economic fields, who will :

- ◆ Exchange perspectives across a full spectrum of topics of Research Misconduct (RM) observation, analysis and evaluation
- ◆ Provide examples of RM "cases" and, by extension, improve the awareness and accessibility
- ◆ Provide feedback on the DEFORM Project's methods and first results
- ◆ Provide suggestions about effective and appropriate documentation, including on-line tools and procedures, for the documents, data sets and analysis results
- ◆ Discuss the opportunity of collective publications — printed book, journal special issue, Internet — derived from the Workshop presentations and discussions
- ◆ Provide suggestions about effective and appropriate communication strategies, paper, oral and electronic, relative to different RM stakeholders (R&D actors; public and private financing institutions; governance/law/regulatory agencies; civil society)
- ◆ Help set an agenda for post-project outreach including (but not limited to) uses of DEFORM Project results in professional and higher education.



ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ
UNIVERSITY OF CRETE



European
Commission

SHORT OUTLINE OF THE DEFORM PROJECT

DEFORM is a small specialized project funded by the European Union's Horizon 2020 (Call: H2020-GARRI- 2014-2015). The main goals of the **DEFORM Project** are to:

- (1) Analyze the occurrence of research misconduct (RM) through historical case studies, and evidenced examples ; use these case studies to (a) deliver a mapping of different RM situations/types, (b) produce a noise-free RM occurrences based database, and (c) devise a first reading of procedures, risks and potential impacts ; all this with a view to identifying and demonstrating (viz., *proof of concept*) a sociological and systematic financial model related to these topics.
- (2) Provide a financial modeling for estimation of RM related risks and loss of opportunity, in order to devise and make public robust indicators of the full costs of such actions and the associated attitudes.
- (3) Propose a methodology and guidelines for anticipating, preventing and mitigating the appearance of this sort of undesirable research practice; and consider ways - either structural or insurance based - to mitigate the adverse impacts on the research community and wider society.

The project will thus seek to provide estimates of economic and scientific benefits that could be derived from a more responsible conduct of research. However, it is recognised that tools aimed at reducing and managing RM impact could themselves have undesired side effects (such as an increase in malpractices due to a changed perception of the severity or distribution of risks taken). In recognition of such system risks, the project will include an ethical impact appraisal of risks mitigation policy options.

Duration of the Project: 24 Months
(from 1 June 2016 to 31 May 2018)

DEFORM Project Website:
<http://www.deform-h2020.eu>

Image source [right]
<http://www.edutage.com/insights/should-research-misconduct-be-considered-a-criminal-offence?regid=1484849162>



THE PROJECT'S PARTNERS



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The DEFORM Project is financed (No.710246) by the European Commission, under the Programme

***"Developing Governance for Advancement
of Responsible Research and Innovation"***



DEFORM STAKEHOLDER WORKSHOP

— **ANIMATION**

For further information, contact:

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QUALITY & INTEGRITY IN SCIENCE :

THE SOCIETAL COSTS OF RESEARCH MISCONDUCT

EXPLANATORY NOTE: The Workshop is organized in Round Tables. Each Round Table will [i] introduce key themes through presenting aspects of DEFORM Project work; [ii] mobilise selected specialists who will each present, in not more than 10-15 minutes, a perspective on a topic of Research Misconduct definition, incidence and observation, societal impact and its evaluation (monetary or other), and the associated challenges of quality, integrity and societal pertinence; [iii] engage dialogue of all Workshop participants.

"DEFORM"	WORKSHOP PROGRAMME	[VERSION 5]
DAY 1	MORNING OF DAY ONE — MONDAY 30 JANUARY 2017	[ROOM EM 323 — INSEEC'S EIFFEL CAMPUS]
> 09h00	INFORMAL WELCOME AND ORIENTATION OF WORKSHOP PARTICIPANTS	WITH COFFEE & CROISSANTS
	OPENING SESSION — PURPOSES OF THE DEFORM PROJECT	
10h00	WELCOME & ROUND OF INTRODUCTIONS —of all Workshop Invited Participants, of DEFORM Project consortium members, and of the Workshop facilitation team.	Moderators: Sylvie FAUCHEUX, Martin O'CONNOR & Caroline GANS-COMBE
10h20	Outline of the Purposes of the Workshop: <ul style="list-style-type: none"> Overview of the DEFORM Project: Objectives, Context & Work Programme The Workshop Programme: Structure by sessions, Dialogues and Outcomes 	Prof. Sylvie FAUCHEUX (INSEEC : DEFORM Project Scientific Leader) Prof. Martin O'CONNOR (Workshop Facilitator)
10h45	Introductory Word from the European Commission (EC, Ethics & Research Integrity Sector)	◆ Ms. Louiza KALOKAIRINO (European Commission)
11h00	KEYNOTE PRESENTATIONS — "Methodology of the DEFORM Project"	◆ Ms. Caroline GANS-COMBE (Project Coordinator) ◆ Prof. Vasiliki PETOUSHI (University of Crete)
11h45	OPEN DISCUSSION — Questions & Clarifications on the DEFORM Project and the Purposes of the 1 st International Workshop	Moderators: Martin O'CONNOR & Caroline GANS-COMBE
12h10	INSEEC OFFICIAL WELCOME TO WORKSHOP PARTICIPANTS	Ms. Catherine LESPINE (Présidente du Groupe INSEEC) Prof. Jean-Louis CHANDON (Director of Research INSEEC) Mr. Olivier GUILLET (International Relations INSEEC)
12h30	— LUNCH BREAK —	[ROOM EM 315 ON THE INSEEC 'EIFFEL' CAMPUS]

DAY 1	AFTERNOON OF DAY ONE — MONDAY 30 JANUARY 2017	[Room EM 323 — INSEEC CAMPUS EIFFEL]
I-A	OBSERVING/CATALOGUING RESEARCH MISCONDUCT	ROUND TABLE 1-A
14h00	<i>Introduction to Theme IA and presentation of DEFORM speakers & Round Table participants</i>	<i>Session President: Prof. Martin O'CONNOR</i>
14h10	PRESENTATION DEFORM — “Research Misconduct Definitions and Institutional Contexts”	◆ Prof. Vasiliki PETOUSHI & Dr. Tina GARANI
14h30	PRESENTATION — “Scientific discourse on RI/RM: findings from the international literature”	◆ Dr. Eirini SIFAKI (UoC – DEFORM)
14h45	Short presentations in moderated Round Table format with invited experts: <ul style="list-style-type: none"> Approaches to Typology and Observation of Research Misconduct relative to different notions of Research Quality & Integrity ; Approaches to Typology of the Types, Severity and Places of Misconduct; relative to the typical steps along the research life-cycle: Drawing on country experiences around Europe. 	<ul style="list-style-type: none"> Gemma MALTESE (Italy) Lise AUGUSTON (Norway) Fenneke BLOM (The Netherlands)
15h45	SHORT REFRESHMENTS BREAK	
I-B	OBSERVING/CATALOGUING RESEARCH MISCONDUCT [CONTINUED]	ROUND TABLE 1-B
16h00	<i>Introduction to Theme IB and presentation of DEFORM speakers & Round Table participants</i>	<i>Session President: Dr. Tina GARANI</i>
16h05	DEFORM Project Keynote Presentation “The Organisation & Governance of Research “	◆ Professeur Catherine KUSZLA (INSEEC TEAM)
16h20	DEFORM Project Presentations on the DEFORM Project's survey process on Research Misconduct & Research Integrity: <ul style="list-style-type: none"> ◆ “Extent and patterns of RI/RM scientific publications” ◆ “Perceiving and engaging in RM: Developing an on-line survey” 	◆ Nikolas PAPANIKOLAOU (UoC TEAM - DEFORM) ◆ Vasiliki PETOUSHI, Georgia KOUMOUNDOUROU, Ioannis TSAOUSIS (UoC –DEFORM)
16h40	<i>Topics to be addressed include:</i> <ul style="list-style-type: none"> ◆ Discussion of Approaches to Typology of RM Impacts — with attention to: (i) Substantive losses in Quality of Knowledge; (ii) Poor Quality of Procedures (with loss of legitimacy etc.); (iii) Contextual / spillover effects in wider society. ◆ Social science perspectives on Causes and Incentives for (and against) Misconduct —with attention to institutions, culture and the relations between actors & “stakeholders” along the research life-cycle) 	<ul style="list-style-type: none"> Andrea SALTELLI (Norway) - KEYNOTE Tom BORSEN (Denmark) Juliette ROUCHIER (France) Maria Filipa FERRAZ DE OLIVEIRA (Portugal)
17h10	DISCUSSION — Considerations for a robust framework for defining/observing/cataloguing RM	
17h45	“END OF DAY ONE” / EVENING SOCIAL PROGRAMME	
18h00	<i>Informal Discussion around “Cases” and Analyses of RM with Books, Reports, Posters</i>	[ROOM EM 315 ON THE INSEEC 'EIFFEL' CAMPUS]
20h00	OFFICIAL WORKSHOP DINNER — venue to be announced [in central Paris]	



"DEFORM"	WORKSHOP PROGRAMME	[VERSION 5]
DAY 2	MORNING OF DAY TWO — TUESDAY 31 JANUARY 2017	[ROOM EM 323 — INSEEC CAMPUS EIFFEL]
THEME II	OBSERVATION/EVALUATION OF SOCIETAL IMPACT OF RM	
09h00	Introduction to Theme II and presentation of Round Table II participants	Session President: Prof. Catherine KUSZLA
09h10	PRESENTATION FROM DEFORM — "Occurrence, Discovery and Visibility of Research Misconduct"	◆ CAROLINE GANS COMBE
09h40	ROUND TABLE II— Short presentations in moderated Round Table format with invited experts.	
	<p><i>Topics to be addressed include:</i></p> <ul style="list-style-type: none"> • Why RM Matters: Elements of Typology of the 'Stakeholders' in Research Quality and Misconduct. • What approaches to Evaluation of Research Misconduct Cases and Consequences? (a) inventory of RM Impacts, (b) qualitative appraisal of each impact across the spectrum of MR Stakeholders; (c) some procedure of synthesis or aggregation; and visualization of patterns/comparisons. • Reflection the Opportunities of R&D sector data to signal (and/or judge) RM Impacts: RM and RMI indicators potentially available from 'standard' sectoral data bases and/or governance agencies etc. • Opportunities of 'Big Data' to inform the signaling of RM Impacts: What sorts of indicators can or might be identified as potentially available in 'societal' data? 	<ul style="list-style-type: none"> • Tina GARANI (DEFORM) • Vasiliki PETOUSI (DEFORM) • Fabien PFAENDER — KEYNOTE (France/China) • Laura MAXIM (France) • Sybille van den HOVE (Spain)
10h30	OPEN DISCUSSION — <i>Evaluation of the Societal Impacts of Research Misconduct: Why it matters? What purposes and uses? How to go about it?</i>	(The role of this Round Table is to suggest robust, realistic and useful angles of attack for organizing the identification and appraisal of RM Impacts across the spectrum of societal stakeholders).
10h45	SHORT REFRESHMENTS BREAK [ROOM EM 315 — INSEEC CAMPUS EIFFEL]	

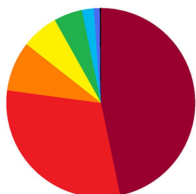


Image source: [left]
<https://rampages.us/jalonso/author/jalonso/>

**[PROGRAMME FOR DAY 2 MORNING
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DAY 2	MORNING OF DAY TWO — TUESDAY 31 JANUARY 2017	[VENUE: INSEEC — CAMPUS EIFFEL]
THEME III	INDICES & ESTIMATIONS OF THE AGGREGATE SOCIETAL COSTS OF RM	
11h00	<i>Introduction to Theme III and presentation of DEFORM speakers & Round Table participants</i>	<i>Session President: Caroline GANS COMBE</i>
11h10	PRESENTATION FROM DEFORM — “Towards Estimation of Societal Costs of Research Misconduct? — DEFORM methods and intentions”	◆ Professor Catherine KUSZLA
11h40	ROUND TABLE III— Short presentations in moderated Round Table format with invited experts. <i>Topics to be addressed include:</i>	
	<ul style="list-style-type: none"> • Defining possible “Metrics” for Quantitative Indicators of RM Impacts: Procedures of synthesis or aggregation; and visualization of patterns/comparisons, for macroeconomic or societal impact indicators. • Methodology for Monetary Indicators: (i) at disaggregated RMI levels; and (ii) with an ambition for aggregate/synthetic indicators (e.g., comparison with/adjustment to GDP or other macroeconomic indicators). • Econometric procedures and tools to go from non-monetary RMI indicators (cf. Round Table II) to monetary estimations of Research Misconduct costs (by case, by R&D sector, by country). 	<ul style="list-style-type: none"> • KEYNOTE: Walter RADERMACHER (Germany) • Jean-Marc DOUGUET (France) • Martin O’CONNOR (France) • <i>[Additional panelist(s) to be announced]</i>
12h15	DISCUSSION — In what ways are aggregate indicators of RM & RMI possible and useful ?	
12h30	LUNCH BREAK — [ROOM EM 315 ON THE INSEEC ‘EIFFEL’ CAMPUS]	

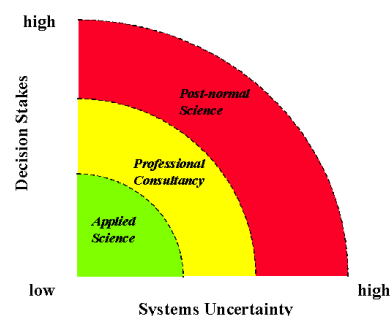


Image Source: <http://www.sciencegeist.com/topic/integrity>

DAY 2	AFTERNOON OF DAY TWO — TUESDAY 31 JANUARY 2017	[VENUE: INSEEC — CAMPUS EIFFEL]
THEME IV	REFLEXIVE APPRAISAL OF RMI EVALUATION PROCEDURES	ROUND TABLE IV-A
14h00	<i>Introduction to Theme IV and presentation of Round Table IV participants</i>	President: Prof. Martin O'CONNOR
14h10	SYNTHESIS AND REPORTING BACK FROM WORKSHOP SESSIONS: Short presentations by Rapporteurs from Round Tables I-A, I-B, II, and III.	<ul style="list-style-type: none"> • Key points: Round Table-1A – Martin O'Connor • Key points: Round Table 1B – Tina Garani • Key points: Round Table 2 – Catherine Kuszla • Key points: Round Table 3 – Caroline Gans Combe
15h10	OPEN DISCUSSION	
THEME IV	REFLEXIVE APPRAISAL OF RMI EVALUATION PROCEDURES	ROUND TABLE IV-B
14h40	<i>Presentation of Round Table IV participants</i>	President: Prof. Sylvie FAUCHEUX
14h45	Keynote: REFLEXION ON THE QUALITY & INTEGRITY CHALLENGES FOR THE DEFORM PROJECT ITSELF: THE ETHICS DIMENSIONS	<ul style="list-style-type: none"> • Marjo RAUHALA (DEFORM Ethics Task Force) • Andrew BOTTOMLEY (DEFORM Ethics Task Force)
15h00	Keynote: Assessing the Science Quality of RM Research: Considerations for the DEFORM Project's Methods & Ambitions.	<ul style="list-style-type: none"> • Jeroen VAN DER SLUIJS (Norway)
15h10	Short presentations in moderated Round Table format with invited experts: GUEST SPOT – OBSERVATIONS ON THE WORKSHOP (with invited participants: panel composition to be confirmed on the day); OPEN DISCUSSION (all Workshop participants).	Invited Comments on the Workshop by: <ul style="list-style-type: none"> • Prof. Obiora IKE (Executive Director, Global Ethics) • Dr. François HIRSCH (INSERM, France) • Ms Louiza KALOKAIRINO (Commission européenne) • [Plus coopted workshop participants...]
16h10	NEXT STEPS — (1) Post-Workshop documentation and publication; (2) The DEFORM Project calendar; (3) Wider networking opportunities for the Project's extended peer community (including Internet, conferences, education outreach).	CAROLINE GANS-COMBE MARTIN O'CONNOR
16h30	WORKSHOP CLOSURE	CLOSING WORDS FROM TEAM LEADERS: <ul style="list-style-type: none"> • PROF. SYLVIE FAUCHEUX (INSEEC) • PROF. VASILIKI PETOUSSI (UNIVERSITY OF CRETE)

NOTE: This is an advanced but always provisional programme. For further Workshop information, contact Professor Martin O'CONNOR (email: eplanete.blue@gmail.com). © Copyright DEFORM.

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