

## PROJECT WORKSHOP – SHORT PROGRAMME

# Quality & Integrity in Science

## Societal Costs of Research Misconduct

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, their perspectives on a topic of Research Misconduct definition, incidence and observation, societal impact and its evaluation, and the associated challenges of quality and societal pertinence; [iii] engage dialogue of all Workshop participants.

### DAY ONE — MONDAY 30 JANUARY 2017

OPENING SESSION — PURPOSES OF THE DEFORM PROJECT — 10H00	
10h00	GENERAL INTRODUCTIONS TO THE WORKSHOP AND TO THE DEFORM Project — Prof. Sylvie FAUCHEUX
10h45	INTRODUCTORY WORD from the EC: — Mme Louiza KALOKAIRINOY (Ethics & Research Integrity Sector)
11h00	KEYNOTE PRESENTATIONS — “Methodology of the DEFORM Project” <ul style="list-style-type: none"> <li>◆ Ms. Caroline GANS-COMBE [INSEEC, Project Co-Coordinator DEFORM]</li> <li>◆ Professor Vasiliki PETOUSA (DEFORM Team Leader, University of Crete)</li> </ul>

ROUND TABLE IA — DEFINING & OBSERVING RESEARCH MISCONDUCT — 14H00	
14h00	KEYNOTE PRESENTATION FROM DEFORM — “Research Misconduct Definitions and Institutional Contexts”: PROFESSORS VASILIKI PETOUSA & TINA GARANI (Greece)
14h20	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>Topics to be addressed include:</i></p> <ul style="list-style-type: none"> <li>• Approaches to Typology and Observation of Research Misconduct relative to different notions of Research Quality/Integrity</li> <li>• Approaches to Typology of the Types and Places of Misconduct; relative to the typical steps along the research life-cycle</li> </ul> </div> <div style="width: 45%;"> <ul style="list-style-type: none"> <li>• Presentations from DEFORM: Eirini SIFAKI &amp; Nikolas PAPANIKOLAOU</li> </ul> <p><b>&amp; Invited Round Table Panel Members:</b></p> <ul style="list-style-type: none"> <li>• Gemma MALTESE</li> <li>• Lise AUGUSTON</li> <li>• Fenneke BLOM (<i>to be confirmed</i>)</li> </ul> </div> </div>

ROUND TABLE IB — OBSERVING/CATALOGUING RESEARCH MISCONDUCT — 16H00	
16h00	Keynote Presentations from DEFORM : <ul style="list-style-type: none"> <li>• “Organisation and Governance of Research” — PROFESSEUR CATHERINE KUSZLA (France)</li> <li>• “The DEFORM Project’s Survey process on Research Misconduct &amp; Research Integrity” — Vasiliki PETOUSA, Georgia KOUMOUNDOUROU, Ioannis TSAOUSIS (Greece)</li> </ul>
16h40	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> <li>• Approaches to Typology of RM Impacts — including: (i) Substantive losses in Quality of Knowledge; (ii) Poor Quality of Procedures (with loss of legitimacy etc.); (iii) Contextual effects in wider society.</li> <li>• Social science perspectives on Causes and Incentives for (and against) Misconduct — with attention to institutions, culture and the relations between actors &amp; “stakeholders” along the research life-cycle.</li> </ul> </div> <div style="width: 45%;"> <p><b>Invited Round Table Panel Members:</b></p> <ul style="list-style-type: none"> <li>• Andrea SALTELLI (keynote)</li> <li>• Tom BORSEN</li> <li>• Juliette ROUCHIER</li> <li>• Maria Filipa FERRAZ DE OLIVEIRA</li> </ul> </div> </div>

## DAY TWO — TUESDAY 31 JANUARY 2017

### Round Table II — Observation/Evaluation of Societal Impact of RM — 09h00

<b>09h00</b>	<b>KEYNOTE PRESENTATION FROM DEFORM — “Occurrence, Discovery and Visibility of Research Misconduct: Examples &amp; Indices” : CAROLINE GANS COMBE</b>	
<b>09h30</b>	<p><i>Discussion topics to be addressed include:</i></p> <ul style="list-style-type: none"> <li>Typology of Stakeholders in Research Quality &amp; Misconduct.</li> <li>Evaluation of Research Misconduct Cases and Consequences: (a) inventory of RM Impacts, (b) qualitative appraisal of impacts across the spectrum of stakeholders; (c) synthetic visualization of patterns/comparisons.</li> <li>Reflection the Opportunities of R&amp;D sector data to signal (and/or judge) RM Impacts: That is, candidate RMI indicators available from ‘standard’ sectoral data bases and/or governance agencies etc.</li> <li>Opportunities of ‘Big Data’ to inform the signalling of RM Impacts: candidate indicators identified as potentially available in ‘societal’ data.</li> </ul>	<p><b>Round Table with contributions by:</b></p> <ul style="list-style-type: none"> <li><b>Tina GARANI (DEFORM)</b></li> <li><b>Vasiliki PETOUSHI (DEFORM)</b></li> </ul> <p><b>&amp; Invited Round Table Panel Members:</b></p> <ul style="list-style-type: none"> <li><b>Fabien PFAENDER (keynote)</b></li> <li><b>Brian WYNNE (to be confirmed)</b></li> <li><b>Laura MAXIM</b></li> <li><b>Sybille van den HOVE</b></li> </ul>
<b>10h30</b>	<b>OPEN DISCUSSION — Evaluation of the Societal Impacts of Research Misconduct: What, How and Why?</b>	

### ROUND TABLE III — INDICES & ESTIMATIONS OF SOCIETAL COSTS OF RM — 11H00

<b>11h00</b>	<b>KEYNOTE PRESENTATION FROM DEFORM — “Towards Estimation of Societal Costs of Research Misconduct, DEFORM METHODS AND intentions” : PROFESSOR CATHERINE KUSZLA</b>	
<b>11h30</b>	<p><i>Discussion topics to be addressed include:</i></p> <ul style="list-style-type: none"> <li><b>Defining Metrics for Quantitative Indicators of RM Impacts:</b> Procedures of synthesis or aggregation, and visualization of patterns, for societal impact indicators.</li> <li><b>Methodology for Monetary Indicators:</b> (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).</li> <li><b>Econometric procedure</b> to go from non-monetary RMI indicators to monetary estimations of Research Misconduct costs (by case, by R&amp;D sector, by country).</li> </ul>	<p><b>Round Table with:</b></p> <ul style="list-style-type: none"> <li><b>Caroline GANS COMBE (DEFORM)</b></li> </ul> <p><b>&amp; Invited Round Table Panel Members including:</b></p> <ul style="list-style-type: none"> <li><b>Walter RADERMACHER (keynote)</b></li> <li><b>Jean-Marc DOUGUET</b></li> <li><b>Martin O’CONNOR</b></li> </ul>
<b>12h10</b>	<b>OPEN DISCUSSION — In what ways are aggregate indicators of RM &amp; RM Impacts possible and useful ?</b>	

### ROUND TABLE IV — REFLEXIVE APPRAISAL OF DEFORM’S RM RESEARCH PROGRAMME

<b>14h00</b>	<b>SYNTHESIS AND REPORTING BACK — Short presentations by Rapporteurs from Round Tables I, II, III.</b>
<b>14h40</b>	<b>Marjo RAUHALA &amp; Andrew BOTTOMLEY (DEFORM Ethics Task Force) — REFLEXIONS ON THE QUALITY &amp; INTEGRITY CHALLENGES FOR THE DEFORM PROJECT ITSELF: THE ETHICS DIMENSIONS</b>
<b>15h10</b>	<b>Jeroen VAN DER SLUIJS — Assessing the Science Quality of RM Research: Considerations for the DEFORM Project’s Methods &amp; Ambitions.</b>
<b>15h40</b>	<b>GUEST SPOT – OBSERVATIONS ON THE WORKSHOP (Invited participants)</b> <b>OPEN DISCUSSION — facilitated by Professor Sylvie FAUCHEUX</b>
<b>16h30</b>	<b>Summing Up &amp; Workshop Closure</b>