

	EUROPEAN COMMISSION RESEARCH AND INNOVATION DG	Periodic Report
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Project No: 321400

Project Acronym: Progress

Project Full Name: PROMoting Global REsponsible research and
Social and Scientific innovation

Periodic Report

Period covered: from 01/02/2013 to 31/07/2014

Start date of project: 01/02/2013

Project coordinator name:
Prof. Doris Schroeder

Version: 1

Date of preparation: 19/09/2014

Date of submission (SESAM): 29/09/2014

Project coordinator organisation name:
UNIVERSITY OF CENTRAL LANCASHIRE

Periodic Report

PROJECT PERIODIC REPORT

Grant Agreement number:	321400
Project acronym:	Progress
Project title:	PROMoting Global REsponsible research and Social and Scientific innovation
Funding Scheme:	FP7-CSA-SA
Date of latest version of Annex I against which the assessment will be made:	06/05/2014
Period number:	1st
Period covered - start date:	01/02/2013
Period covered - end date:	31/07/2014
Name of the scientific representative of the project's coordinator and organisation:	Prof. Doris Schroeder UNIVERSITY OF CENTRAL LANCASHIRE
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Declaration by the scientific representative of the project coordinator (1)

I, Prof. Doris Schroeder UNIVERSITY OF CENTRAL LANCASHIRE , as scientific representative of the coordinator of the project Progress and in line with the obligations as stated in Article II.2.3 of the Grant Agreement declare that:

The project has fully achieved its objectives and technical goals for the period.

The attached periodic report represents an accurate description of the work carried out in this project for this reporting period.

The public website is up to date.

To my best knowledge, the financial statements which are being submitted as part of this report are in line with the actual work carried out and are consistent with the report on the resources used for the project (section 6) and if applicable with the certificate on financial statement.

All beneficiaries, in particular non-profit public bodies, secondary and higher education establishments, research organisations and SMEs, have declared to have verified their legal status. Any changes have been reported under section 5 (Project Management) in accordance with Article II.3.f of the Grant Agreement.

Name	Prof. Doris Schroeder UNIVERSITY OF CENTRAL LANCASHIRE
Date	29/09/2014

This declaration was visaed electronically byDoris SCHROEDER(ECAS user name nschrdr) on 29/09/2014

1. Publishable summary

Summary description of project context and objectives

ProGReSS has established a global network on responsible research and innovation (RRI) involving academia, SMEs, international organisations, policy advisors, research funders, NGOs and industry. In interactive discussions with relevant societal actors as well as innovators, the group has started to move RRI debates from the national or regional to the global level to achieve the following objectives:

1. Link existing international networks of RRI with relevant societal actors on a global scale to focus innovation on societal desirability.
2. Complete a major fact-finding mission comparing science funding strategies and innovation policies in Europe, the US, China, Japan, India, Australia, and South Africa.
3. Advocate a European normative model for RRI globally, using constitutional values as a driver to inform societal desirability.
4. Develop a strategy for fostering the convergence of regional innovation systems at the global level.

ProGReSS divided RRI into three elements, following von Schomberg:

- ethical acceptability,
- sustainability, and
- societal desirability.

The third aspect – societal desirability – is an underexplored aspect of RRI and it is the aim of the project to develop a strategy for fostering the convergence of regional innovation systems at the global level. Throughout the first 18 months of the project (RP1), it was established that:

- ethics governance is the most widely accepted RRI action point globally, whilst societal engagement is the least commonly practised.
- grand challenges rather than constitutional values might be the most widely accepted marker for societal desirability.
- RRI can only achieve global appeal if it takes sister concepts from emerging economies seriously. The concept of "inclusive innovation", as used in South Africa, Brazil, China and India is especially relevant.

ProGReSS has partners in the UK, Germany, Spain, Italy (first 14 months), Australia, the US, China and India. Advisors are from the UNESCO, the Wellcome Trust, the Dutch "Responsible Innovation" program, the World Health Organization, the Soil Association, the University of the Philippines in Manila, the University of Hokkaido and the Novartis Foundation (retired).

Description of work performed and main results

The following summarizes the main work and results achieved in the first 18 months:

1. A comparison of research and innovation funding strategies in the USA, China, Japan, India, Australia, Brazil, Germany, South Africa and the UK was undertaken. Mapping the European Commission's five RRI action points onto existing funding schemes in the above countries showed that ethics governance is the most widely accepted RRI action point globally, whilst societal engagement is the least commonly practised.
2. A peer-reviewed international journal publication was an additional outcome of the funder comparisons. It compared the concept of RRI with the US National Science Foundation's funding requirement of achieving "broader impacts" and concluded: "While RRI seeks fundamental changes in the way research is conducted, Broader Impacts is more concerned with peripheral aspects of research: widening participation of disadvantaged groups, recruiting the next generation of scientists,

increasing the speed with which results are used, and so on."

3. In discussions with stakeholders at relevant events (see dissemination report), it became clear that driving societal desirability through constitutional values has insufficient appeal. A consensus did emerge, however, both amongst the group and at dissemination events, that the grand challenges of humankind are a more suitable marker for societal desirability. As a result, all relevant ProGRESS deliverables are now linked to grand challenges. Given that constitutional values are specifically named in objective 3, we will continue testing their appeal as a measure for societal desirability. However, as an excellent Plan B for our strategy for fostering the convergence of regional innovation systems (objective 4), we will continue to develop the possibility that grand challenges of humankind are a more suitable tool.

4. Using grand challenges to analyse systematically societal desirability efforts in industry helped us produce a deliverable which included six enlightening case studies, each mapped onto a grand challenge, as included in the Lund Declaration. Based on the work undertaken with our industry partner, we arrived at the following three reflections:

a. responsible innovation linked to the Grand Challenges can open new market opportunities and ensure profitability.

b. proving that ethically acceptable, sustainable and societally desirable innovation can be profitable is important in order to encourage more investment—reliable and transparent impact assessment procedures, standardized across all regions, are crucial to do this.

c. collective action is necessary for responsible innovation to take place, and all actors must take collective responsibility for research and innovation outcomes.

5. Our website, which includes social media (Twitter, Youtube, Facebook) has been actively used by stakeholders around the world, see dissemination report.

6. To raise awareness of RRI, ProGRESS produced a series of short videos capturing what RRI project co-ordinators and their partners believe RRI means. 8 videos were produced to date, including videos with the co-ordinators of the first five RRI projects funded by the EC. All answered the following questions:

- What does RRI mean for you?
- Why is it important?
- For whom is it important?
- Does it remind you of any earlier concepts or ideas?
- How global a concept do you think RRI is?
- What needs to happen next?
- Anything else you want to add?

7. Whilst ProGRESS focuses mostly on societal desirability (using von Schomberg's distinctions into three RRI elements), work was also undertaken on advanced technologies (synthetic biology, nanotechnology and ICT) and potential concerns over ethical acceptability and sustainability. These were presented to stakeholders and the general public in an engaging report, using illustrative case studies (artemisinin, nanotech sunscreen, ambient assisted living).

Expected final results and potential impacts

Main potential impact of the project:

1. We have already raised global awareness amongst researchers and funders (Wellcome Trust, NWO in the Netherlands) about the EC's five RRI actions points. This will continue in the future.
2. Amongst European audiences we have raised the awareness of the concept of "inclusive innovation" and will continue to do so. This awareness raising is essential if RRI is to have any global appeal.
3. As a result of our activities, a slightly modified concept of RRI may succeed in having greater

global appeal and impact. To achieve this, RRI cannot just deal with the governance of emerging technologies in affluent countries; a global perspective requires a framework for research and innovation that is linked to citizen needs and humanity's challenges.

4. We expect grand challenges of humankind to play a greater role in guiding funding decisions. We have raised awareness about this possibility and will continue to do so.

5. We have created considerable awareness of RRI amongst a marginalized community in the Kalahari through the involvement of a local NGO. In the process, we have helped concretize requirements for collaborations with researchers and innovators and assisted in devising and refining a research contract. A future workshop (September 2014) will continue this work.

Main anticipated final results:

1. The experience of 10 years of end user engagement in university research will be written up for the RRI Observatory in the second part of the project and will provide access to valuable information. The Co-ordinator's university is leading work in Europe on this topic.

2. Work on how innovation policies can drive research and innovation towards societally desirable goals has already started with an overview of European innovation policies and a briefing document on innovation approaches. In the second part of the project, this will be rolled out to China, India, Japan, South Africa, Australia and the US to provide the first global report on how real-existing innovation policies map onto the third RRI criterion as used in ProGReSS.

3. Suggestions will be made in publications of how the concept of RRI needs to be refined in order to be successful globally. Two special journal symposia will be edited and are likely to include contributions on how governance concepts from emerging economies could be integrated into RRI. In addition, the work will include recommendations from industry and marginalized populations. One symposium will be published by the high-profile Chinese think-tank IWEP, a partner in ProGReSS, and the other will be published in Nanoethics.

4. How innovation systems can converge globally towards RRI will be debated in detail in the second part of the project, using the high-profile Advisory Board and the expanding networks on all continents. The final output will be made available in lay people's language.

5. Achieving the final goal of the project (how a more permanent platform for RRI debates can be created) will be undertaken in collaboration with other SiS funded RRI projects and the European Commission. ProGReSS partners, globally, are interested in contributing to future debates.

Project public website address:

progressproject.eu/

2. Core of the report

Project objectives, Work progress and achievements, and project management during the period

The Project Summary Pdf document contains the core of the report.

3. Deliverables and milestones tables

Deliverables (excluding the periodic and final reports)										
Del. no.	Deliverable name	Version	WP no.	Lead beneficiary	Nature	Dissemination level	Delivery date from Annex I (proj month)	Actual / Forecast delivery date	Status	Comments
1	First Project Activity and Financial Reports	1.0	1	UNIVERSITY OF CENTRAL LANCASHIRE	Report	RE	18	31/07/2014	Submitted	
2	Final Project Activity and Financial Reports	0.0	1	UNIVERSITY OF CENTRAL LANCASHIRE	Report	RE	36	31/01/2016	Not submitted	
1	European and National Innovation Agendas	1.0	2	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	2	01/05/2013	Submitted	
2	NIS, SIS, RIS Overview	1.0	2	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	11	18/12/2013	Submitted	
3	Consensus on Globalisation/regionalisation Priorities for Innovation	0.0	2	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	28	31/05/2015	Not submitted	
1	Funder Reports on Innovation for Society	1.0	3	INSTITUTE OF WORLD ECONOMICS AND POLITICS CHINESE ACADEMY OF SOCIAL SCIENCES	Report	PU	16	30/06/2014	Submitted	
2	Country Reports on Innovation for Society	0.0	3	INSTITUTE OF WORLD ECONOMICS AND POLITICS CHINESE ACADEMY OF SOCIAL SCIENCES	Report	PU	22	30/11/2014	Not submitted	

				ECONOMICS AND POLITICS CHINESE ACADEMY OF SOCIAL SCIENCES						
3	Symposium	0.0	3	INSTITUTE OF WORLD ECONOMICS AND POLITICS CHINESE ACADEMY OF SOCIAL SCIENCES	Other	PU	30	31/07/2015	Not submitted	
1	RRI - Best Practice in Industry	1.0	4	FUNDACION TECNALIA RESEARCH & INNOVATION	Report	PU	12	21/02/2014	Submitted	
2	RRI and End-users	0.0	4	FUNDACION TECNALIA RESEARCH & INNOVATION	Report	PU	21	31/10/2014	Not submitted	
3	Recommendations from industry and end-users for RRI	0.0	4	FUNDACION TECNALIA RESEARCH & INNOVATION	Report	PU	30	31/07/2015	Not submitted	
1	Case Studies - Overview of Ethical Acceptability and Sustainability	1.0	5	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	11	20/01/2014	Submitted	
2	RRI Funder Requirements Matrix	1.0	5	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	17	30/06/2014	Submitted	
3	RRI Country Requirements Matrix	0.0	5	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer	Report	PU	20	30/09/2014	Not submitted	

				Entwicklungen					
4	Symposium	0.0	5	Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen	Report	PU	33	31/10/2015	Not submitted
1	Website	1.0	6	CENTRE FOR SCIENCE, SOCIETY AND CITIZENSHIP	Other	PU	6	01/08/2013	Submitted
2	Project Brochure	1.0	6	UNIVERSITY OF CENTRAL LANCASHIRE	Other	PU	9	11/09/2013	Submitted
3	First Communication and Dissemination Report	1.0	6	UNIVERSITY OF CENTRAL LANCASHIRE	Report	RE	18	08/09/2014	Submitted
4	Three High-profile Academic Dissemination Activities	0.0	6	UNIVERSITY OF CENTRAL LANCASHIRE	Other	PU	36	31/01/2016	Not submitted
5	Second Communication and Dissemination Report	0.0	6	UNIVERSITY OF CENTRAL LANCASHIRE	Report	RE	36	31/01/2016	Not submitted
1	Agreed Convergence Strategy in Technical and Lay Language	0.0	7	UNIVERSITY OF CENTRAL LANCASHIRE	Report	PU	36	31/01/2016	Not submitted
2	Action Plan on Creation of Enduring Global Platform	0.0	7	UNIVERSITY OF CENTRAL LANCASHIRE	Other	PU	36	31/01/2016	Not submitted

Milestones

Milestone no.	Milestone name	Work package no	Lead beneficiary	Delivery date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
1	UNESCO co-hosted workshop	6	1	01/05/2013	Yes	21/05/2013	3 weeks postponement to enable better fit with UNESCO schedule
2	Dissemination Panel created	6	1	31/07/2013	Yes	31/07/2013	

3	Case Studies finalized	5	4	31/05/2013	Yes	31/05/2013	
4	Stakeholder inventory	6	2	31/03/2013	Yes	31/03/2013	
5	End-user workshop in South Africa	4	9	30/09/2013	Yes	20/03/2014	Postponement with permission of PO
6	IWEP Hosted workshop	6	5	31/03/2014	Yes	12/05/2014	Slight postponement to avoid clash with Milestone 5

4. Explanation of the use of the resources

The **explanation on the use of resources** was removed from the scientific periodic reports in SESAM. These details now have to be entered in the cost statement forms in FORCE instead.

Attachments	Progress Management Report Part 1 for ECAS Photos and Diagrams.pdf, Progress Management Report Part 2 for ECAS.pdf
Grant Agreement number:	321400
Project acronym:	Progress
Project title:	PROMoting Global REsponsible research and Social and Scientific innovation
Funding Scheme:	FP7-CSA-SA
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Name of the scientific representative of the project's coordinator and organisation:	Prof. Doris Schroeder UNIVERSITY OF CENTRAL LANCASHIRE
Period covered - start date:	01/02/2013
Period covered - end date:	31/07/2014
Name	
Date	29/09/2014

This declaration was visaed electronically by Doris SCHROEDER (ECAS user name nschrdor) on 29/09/2014