

WP 2: Dissemination and Communication and Mobilisation
D2.4 Training materials for stakeholders to use RRING
deliverables and outputs, join RRING network

Status: Revised version

24/08/2021



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 788503.

About RRING

The overall project aim is to bring Responsible Research and Innovation (RRI) into the linked up global world to promote mutual learning and collaboration in RRI. This will be achieved by the formation of the global RRING community network and by the development and mobilization of a global Open Access RRI knowledge base. RRING will align RRI to the Sustainable Development Goals (SDGs) as a global common denominator.

The RRING project acknowledges that each region of the world is advancing its own agenda on RRI. Therefore, RRING will not be producing a Global RRI framework or strategy that is meant to be enforced in a top-down manner. Rather, increased coherence and convergence will be achieved via a bottom-up approach, learning from best practices in RRI globally and from linkages, via the new RRING community, to develop the RRI linked-up world.

Six Objectives of RRING

Objective 1: Promote a linked up global world of RRI by creating the global RRING community network, thereby enabling mutual learning, collaboration, mobilization of RRI concepts.

Objective 2: Mobilize, promote and disseminate a global open access knowledge base of RRI based on the State of the Art (SoA) and comparative analysis across the key geographies, all stakeholders and sectors. It will cover key platforms, spaces and players, role and influence of stakeholders, drivers and policies for R&I, regulation in public, private sectors and nation states and international organizations.

Objective 3: Align RRI to the UN Sustainable Development Goals (SDGs) to provide a global common denominator for advancement of RRI and address Grand Challenges globally.

Objective 4: Determine the competitive advantages of RRI and also understand how and where RRI is perceived as a barrier and/ or disadvantage.

Objective 5: Create high level RRI strategy recommendations for the seven geographic zones, trial RRI best practice learning in 2 EU case studies.

Objective 6: Promote inclusive engagement of civil society and researchers.



Document Information

Title	Training materials for stakeholders to use RRING deliverables and outputs, join RRING network	
Distribution	Public	
Document Reference	RRING-2.4	
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Revision History

Rev.	Date	Description	Prepared by (Name & Org.)	Approved By (Work- Package Leader)	Status (Draft/Final)
01	06/10/2020	First draft	Erna Karalija		Draft
02	20/10/2020	Revised draft	Gordon Dalton	Approved	Final draft
03	03/11/2020	Final draft	SC	Approved	Final document
04	24/08/2021	Revised	Erna Karalija	Approved	Final Revised document

Acknowledgement

The work described in this publication has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No 788503.

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D2.4 Training materials for stakeholders to use RRING deliverables and outputs, join RRING network

1. Introduction

The current document represents a snapshot of the work and materials developed by RRING project up until now. There are more materials to be developed till the end of the project and this publicly available document will be updated accordingly. In the process of linking up Responsible Research and Innovation (RRI) globally RRING has adopted and developed some materials that can be used as parts of a training or further developed if needed to become training materials, to be used in RRI training, some of which will be done in an integral part of training on the new common global framework standards which include RRI¹. These materials relevant to trainings consist of different informational factsheets, different survey type materials, policy briefs, playbooks and school appropriate materials that will be described herein. The formats of these training materials include PDF documents, debate cards, multi-media documents (PowerPoint slides, videos, etc.), online tools (survey type materials), and publications; their formats can be expanded.

There are many other available RRI designated tools that could be found online, and some examples are presented in table 1. RRING as a project will endeavour to produce specific materials that are different from existing materials (Section 2), and, as a Community, RRING will endeavour to continue developing trainings for its membership and helping its membership co-create and share training materials (section 3).

Table 1. Some of free RRI tools available online

Type of materials	Description	Free/paid	Source
Factsheet	One page factsheets on Open Science topics	free	Orion Project https://www.orion-openscience.eu/publications/training-materials
PDF document (education)	Teaching and learning responsible research and innovation	free	HEIRRI project https://link.springer.com/article/10.1007/s11948-018-0029-1
Checklist	Open Science Checklist	free	Orion project https://www.orion-openscience.eu/publications/training-materials
RRI cards	Cards for fostering open conversations about research and innovation	free	RRI Tools https://www.ecsite.eu/sites/default/files/rri_cards_-_guidelines_0.pdf
Scenarios/Scripts	ROLLING THE RRI DICE FOR REFLECTION - how to create playful situations during an RRI Training to Provoke reflection among participants and to create stories and scenarios	free	RRI tools https://www.ecsite.eu/sites/default/files/script_dice_rolling_the_dice_rri_tools_finalversionprint_ubik.pdf

¹ The global agreement among 195 states is called the *Recommendation on Science and Scientific Researchers (2017)*, hereinafter RSSR.

2. Putting RRING outputs into the form of training materials

RRING project research on RRI understanding including among other things a worldwide survey to collect the data from diverse contexts. RRING investigated different pillars of RRI and how they are understood in diverse contexts. Its research results have been examined to derive from them – or from the theories of RRI that they explore -- various training materials.

2.1. School materials

The Covid-19 pandemic lockdowns required planning for school visits to be radically reconceived since physical visits were not going to be advisable for the foreseeable future. RRING Dissemination and Communication Board members developed and mobilized other coalition members to contribute texts that could turn the content from RRING results into scenarios for debates among 11–12-year-olds, these were to be called ‘Science Citizens’ Debates and focus on controversies that arise in real life related to the RSSR. When completed, these Debate Cards are intended to be used in schools by teachers and in any other setting where young learners are engaged. Channels for distribution of these cards have been identified, mindful to scale up to reach as many schools and as many young audiences as possible across multiple countries despite language challenges. It is the intention to make these debate cards in ready to go form available for teachers to download, but in the same time to provide instructions and templates for teachers to evaluate the answers students themselves propose. Final designed and prepared debate Card can be found in Library section of RRING website under training materials (Figure 1)²

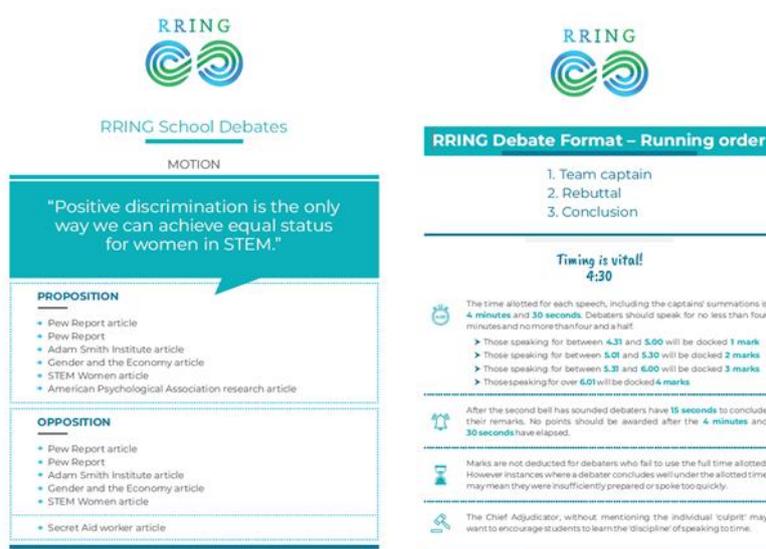


Figure 1. RRING debate card structure for schools to use

2.2. Global survey on RRI

Some of the findings from the WP3 survey have been summarized in a document available on RRING webpage and can be read following this link [<https://rring.eu/global-survey-of-researchers-and-innovators-on-socially-responsible-research-innovation/>]. The full deliverable is available on this link [<https://rring.eu/rri-library/>].

2.3. Comparative analysis of SDG and RRI

WP4 was oriented toward analysis of on best opportunities by doing comparative RRI analysis incorporating data from WP3 and WP5 data, conducting a RRI comparative analysis and mutual learning opportunities. Reports

² <https://rring.eu/rri-library/>

from WP4 or WP6 relating RRI to SDGs will be used for a policy brief. The first policy brief will be published in September in coordination with MOST publishing and UNESCO. Report on Comparative analysis SDG and RRI can be read within D4.2. that is available on RRING webpage under library section³.

2.4. Competitive advantage of RRI

Practical recommendations for industry, policymakers, research performing organizations, research funding organizations, investors, civil society and NGOs and association bodies in WP5. Some of the recommendations included in this report are presented as separate in form of a leaflet available on RRING webpage on following link [<https://rring.eu/recommendations-for-the-development-of-a-competitive-advantage-based-on-rri/>], full deliverable can be read following this link [<https://rring.eu/wp-content/uploads/2021/07/D5.1.pdf>]

2.5. RSSR: Playbook for hosting community consultations to support the RSSR monitoring

During community consultations that are scheduled each four years by countries that must report their compliance with the RSSR, RRING would like to accompany these consultations with the aim to make these consultations inclusive, and deeply reflective on the priority issues of concern today in terms of RRI. But in some countries, it can be expected that community consultations are not inclusive, or perhaps that they will be pro forma and unproductive. So RRING calls on people who share the concerns, to help transform the science system by proactively driving these consultations. This manual is meant to help. It explains step-by-step how to organize with partners a certain kind of consultation process over a period of a few months. It is meant as training material for the host organization, but it also includes training material that can be distributed to the participants in these consultations.

A playbook for countries to set up community consultations program has been developed (Figure 2). The manual is structured based on a process, whereby national stakeholders are mobilized to actively participate in a meeting and commit themselves to further steps towards a monitoring system for the UNESCO Science recommendations. The guidebook/playbook includes timetable and process map, Host Organisation Criteria, proposed Agenda for the 1st meeting, instructions for the drafting group etc. The playbook is ready for use and can be downloaded from RRING library section under Training materials⁴. Example of how to use the playbook can be seen in D.6.3.⁵ where countries Lithuania, Serbia, South Africa, and USA demonstrate their own adaptation of Playbook for creation of national reports (in case of Lithuania and Serbia).



Figure 2. Mock up of RRING playbook lay-out

2.6. Policy Brief

Engaging during these four-yearly assessments is a purpose held dear in the RRING community, because it is an opportunity to help governments to take a long view, and to co-create a future research ecosystem that suits all and can produce great scientific work and fulfil the most idealistic vision of RRI. RRING research is contributing track progress against the RSSR (an ongoing work, some initial work can be seen at the following link [<https://rring.eu/how-to-measure-progress-on-the-priority-areas-of-the-recommendation-on-science/>]).

³ <https://rring.eu/wp-content/uploads/2021/07/D4.2.pdf>

⁴ <https://rring.eu/rri-library/>

⁵ <https://rring.eu/wp-content/uploads/2021/07/D6.3.pdf>

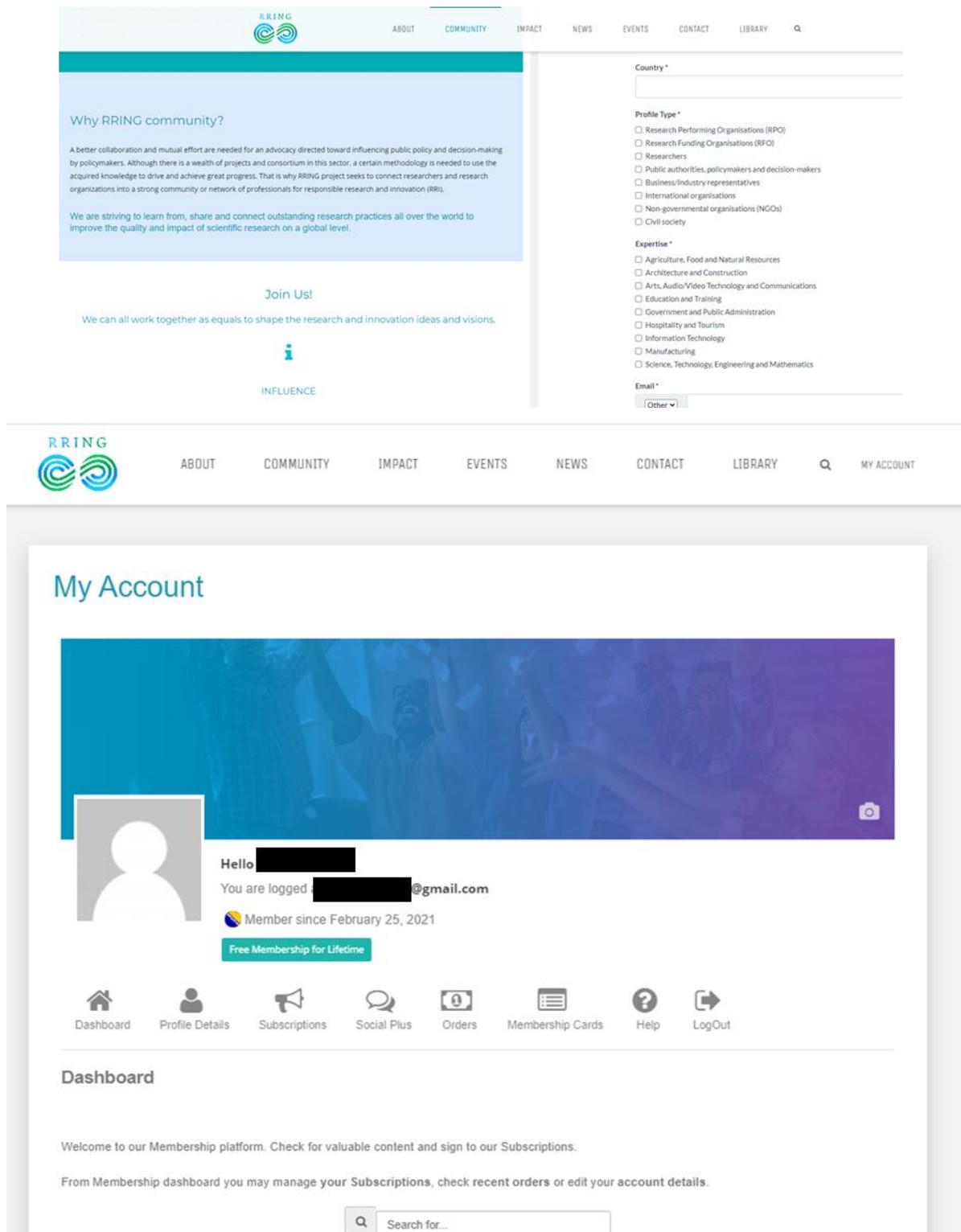


Figure 4. Section of RRING Community page with indicated profile types and expertise (top) and membership only area (down)

Separate section for Mutual learning opportunities offered by RRING Community can be seen following this link (<https://rring.eu/community/mutual-learning/>). First Mutual learning and networking activity is planned for September 2021.