GRRIP Exploitation Plan

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1. Preamble:

The overall aim of GRRIP is to implement Responsible Research and Innovation (RRI) to improve research in the Blue Economy. GRRIP will embed sustainable RRI practices in four Research Performing Organisations (RPO) and one dual-function RPO and Research Funding Organisation(RPO/RFO) in the marine and maritime sectors to achieve institutional and cultural change. This will be accompanied by establishing a platform for engagement with the Quadruple Helix (QH) for each RPO&RFO, and a platform for mutual learning between the 5 RPO&RFOs and QHs. The project will revolve around five RRI key dimensions: ethics, gender equality, open access & data, science education, public engagement. Whilst marine and maritime (M&M) research is a high priority in the EU, this project acknowledges that M&M is extremely exposed to non-RRI alignment between Research and Innovation, societal actors, and the environment, affecting its performance and competitiveness.

Objectives of GRRIP:
- To co-develop, implement and evaluate self-tailored RRI Action Plans (AP) to enable institutional and cultural change processes for the 5 marine and maritime (M&M) research performing Organizations and research funding Organizations (PPO&RFOs).
- Establish structures to facilitate, promote and maximize real sustainable engagement with, and input from, the Quadruple Helix (QH).
- Establish indicators and methodology for impartial Monitoring, Reflection and Evaluation cycles.
- Develop a mutual learning process across the M&M FPO&RFOs and the QH, both during the institutional and cultural change project and ongoing evaluation feedback loop cycles.
- Legacy: to enable more M&M RPO&RFOs to ground RRI practices through institutional and cultural changes by creating a practical user-friendly RRI AP framework template and launching an M&M RRI community.
- Examine how an RFO can positively influence and encourage an RPO towards RRI via its funding policy and interaction.

2. Objectives of Exploitation Plan – Sustainability beyond project

The exploitations routes of GRRIP outputs and deliverables are: (As a CSA project, Exploitation will not include commercialisation):

- GRRIP community of M&M RPO&RFO and related QH will be the main project legacy, and will be exploited via dissemination and communication methods.
- GRRIP generic RRI Action Plan templates for the M&M will be exploited via dissemination and communication methods.
- The review of state of the art of RRI in M&M and best practice will be exploited to implement RRI plans in partner organisations in order to fulfil SwafS-5 objectives.
- GRRIP will liaise with other SwafS projects listed in table 1.1. as well as develop collaborations with other RRI calls such as GARRI, ISSI and SEAC in order to maximise the impact of its work.
- The strong existing network of the consortium (ICoRSA & UNESCO in particular) will be exploited to advertise RRI best practice. UNESCO and ICoRSA will also use GGRIP in their Advocacy mission with consultation with EU, ICSU, United Nations and members of its Advisory Board.

3. Plan steps and actions

The information on the project website will be migrated to the websites of the consortia so it is still available and managed after the project. The attention of the general public will be drawn to the outcomes via a press release and policy makers will be informed through a project communication. All guidelines, toolkits and reports will be available on the website.

To enable more M&M RPO&RFOs to ground RRI practices through institutional and cultural changes by

- Creating a practical user-friendly RRI AP framework template and guidelines;
- Launching a M&M RRI community.

3.1. User friendly templates and guidelines

GRRIP will develop a template and guidelines which can be used to implement RRI institutional and cultural changes in other M&M RPO&RFOs. This will be based on a synthesis of all the learning from the GRRIP project. This will include:

- Guidelines for the RPO&RFO RRI Working Group setup and operation;
- Template Audit Plan including self-assessment diagnostic tool to determine RRI maturity level;
- Template Action Plan;
- QH Platform establishment methodology and engagement guidelines;
- Practical case study reports from each RPO&RFO with lessons learned and tips;
- A data base of the WP3 SoA report on RRI APs, and QH platform establishment and engagement.

3.2. Launching a M&M RRI community

GRRIP will launch a sustainable marine and maritime sector RRI group consisting of RPO&RFOs, SSH experts and the QH stakeholders. The purpose of establishing the M&M RRI community is to continue the momentum from the project in terms of dialogue and mutual learning, and make this knowledge and experience available for the broader M&M actors to encourage and support further institutional change for RRI. The community will be more than a passive forum for exchange which would fail to maintain the momentum and energy for sustainability. GRRIP will:

- Explore the community model options for sustainable operation and growth
- Provide the initial communication strategy to launch the M&M community.
- Provide the initial founder members from the GRRIP project team, RPO&RFOs and QH.

This sustainable group focussed on the M&M sector will promote partnerships between the members, increased implementation of RRI APs, and QH engagement

3.3. National & international research & innovation activities linked with GRRIP

Table 1.1 presents a list of projects of importance to GRRIP. GRRIP builds on the outcomes of a number of EU, National and International projects and is also linked to several ongoing and EU projects. Moreover, consortium members have/ had a major role in some of these projects, as well as relevant EU and international bodies that will ensure state-of the-art results are adequately utilised avoiding duplication of research and increasing public funding efficiency

GRRIP will liaise with other SwafS projects listed in table 1.1. as well as develop collaborations with other RRI calls such as GARRI, ISSI and SEAC in order to maximise the impact of its work. The strong existing network of the consortium (ICoRSA & UNESCO in particular) will be used to exploit GRRIP

Table 1.1. List of projects of importance to GRRIP and steps for engagement

Project Title	Relevance to GRRIP and how GRRIP will link with the project
RRING (starts May 2018)	Many of RRING keys partners are GRRIP partners. RRING will be a compiling a global SoA of RRI, useful for GRRIP. Lessons learnt from RRING community formation will also be transferred to GRRIP
MARINA-project	Network Theory and models for future GRRIP will be required and investigated in project. MARINA network model and stakeholder community will be examined.
RRI Tools	These RRI tools will be incorporated into the RRI SoA and best practice for the GRRIP knowledge base.
R-I PEERS (Jan 2018)	Gender Equality project. CNR will transfer experience to GRRIP: especially in audit and Monitoring/evaluation
NUCLEUS	Enhances GRRIP RPO stakeholder expertise. GRRIP will learn from 30 international test sites
CONSIDER	GRRIP can integrate the insights on how to embed CSOs in research as part of the implementation of RRI.
PRINTEGER	GRRIP will incorporate results in GRRIP knowledge base.
RESPONSIBILITY	GRRIP M&M community model will learn from the RESPONSIBILITY Observatory platform and forum
GENO VATE	Gender is one of the 5 RRI keys researched in the project. Expertise and results from the GENOVATE project will be incorporated in GRRIP SoA
SHAPE ENERGY	Expertise and results regarding Ethics from the SHAPE ENERGY project will be incorporated in GRRIP SoA

4. GRRIP Dissemination, Communication and Exploitation methods and tools

There are several methods that will be used for dissemination, communication and exploitation:

- Factsheets;
- Website
- Social media
- Twitter and LinkedIn
- Newsletter
- Virtual Forums on 1. SoA of RRI in M&M 2. QH engagement in RRI
- Organisation of Events
- Publication
- Conference Attendance (coordinated by WP 2 to ensure maximum attendance)
- Press Releases
- Press Interviews
- Monthly Ezine
- Public forums
- School visits

GRRIP Community membership factsheet (Community is a Legacy output.) will contain:
- • What is the GRRIP Community, and its objectives?
- • Who is the GRRIP Community and its stakeholders?
- • What is the benefit of joining for the stakeholders (including civil society)?
- • Duties obligations of being a member
- • Membership fees (if any, to be determined in WP9 network model)

Dissemination of results will include promotion of agreements with commercial partners and investors, to assist the GRRIP community.

Communication activities include school visits - outreach to the young in school about the objectives of GRRIP will be extremely important. Topics to be explained will be: RRI Community, RRI in research, Gender equality and LGBT in research, Diversity. GRRIP partners who will assist WP2 in this task will be: UNESCO, HSRW, DCU, DMU

5. Effective innovation management in GRRIP management structure & work plan

WP9 is dedicated to exploiting innovations via the legacy M&M Framework and the sustainable M&M RRI community platform (Table 1.2).

Table 1.2. Implementation of exploitation of WP9

Partner no	Partner name	Legacy: RRI Framework for marine centres and a RRI community (WP9)	Implementation of exploitation
1	UCC MaREI	Dr Dalton is chair of ICoRSA, expert in network and community building	Community creation, Dissemination
6	CNR	As coordinator of Marina project, expert in developing RRI frameworks and Marina platform	Dissemination through their channels and networks
7	HSRW	Experience with RRI Policy Briefs and Strategy Reports for the EC from previous research / projects.	Dissemination
8	EUR	Lead partner in RRING WP6, on policy framework creation for RRI	Dissemination
9	DMU	Brings expertise in Network theory. Contacts with RRI network leaders	Community creation, Dissemination
10	DCU	Experts in Training methods,workshops	Communication
11	UNESCO	Provides network expertise as One of the biggest networks globally	Community creation, Dissemination
12	ICoRSA	Worlds largest network of researcher associations. Expert on network theory. RRING WP7 leader	Dissemination through their network of researchers and research associations.

6. Review Objective 5 column for any steps required

Objective 2: Establish structures to facilitate, promote and maximise real sustainable engagement with, and input from, the Quadruple Helix (QH) (industry, societal actors, policy and other RPO&RFOs). GRRIP will pay particular attention to societal actors (often referred to as citizens, public, society, civil society organisations) through the entire project and within each RPO&RFO R&I process interventions.

Steps that WP2 could do to support QH transition at project end?

GRRIP will establish structures to facilitate, promote and maximise real sustainable engagement with, and input from, the Quadruple Helix (QH) (industry, societal actors, policy and other RPO&RFOs). GRRIP will pay particular attention to societal actors (often referred to as citizens, public, society, civil society organisations) through the entire project and within each RPO&RFO R&I process interventions.

The project will establish a reflection and evaluation process to ensure the QH is achieving real engagement and that any required changes are identified. It will be conducted at stages in the project when the QH engagement has been well established, so that each of the QH stakeholders will have had

time to participate and reflect on the engagement. The evaluation criteria will include: reach across the full QH, quality of engagement, real R&I collaboration and impact against defined goals and indicators

Mutual learning process across the M&M RPO&RFOs and the QH will be developed, both during the institutional and cultural change project and the ongoing evaluation feedback loop cycles. This can be achieved by:

- The topic requires that the institutional changes ensure real engagement with the QH. GRRIP will establish a sustainable QH platform for each RPO&RFO. GRRIP will provide training and dialogue methodology for each RPO&RFO/ QH partnership. This will be designed and functioning throughout the project. The purpose of such early and ongoing engagement is to build the spirit of engagement and ensuring its sustainability beyond the project. As with the RPO&RFO AP, the QH itself will have monitoring, reflection and evaluation to ensure its goals and impacts are being achieved.
- Mutual learning between the RPO&RFOs is an important part of the project. This will entail establishing the platform and methodology for the mutual learning between the RPO&RFOs and QH. This will include communication methods, conduct, cycles, and roles of GRRIP, RPO&RFO and QH. This mutual learning platform will be designed to continue beyond the project lifetime
- The QH engagement which will facilitate and promote partnerships including citizen science and co-creation
- The mutual learning platform which will encourage partnership activities between the institutions
- The establishment of the M&M RRI community. This sustainable group focussed on the M&M sector will
- promote partnerships between the members, increased implementation of RRI APs, and QH engagement In Section 2, Impacts, targets and indicators are set out for this objective. This will be evaluated by WP8.

7. Concepts

Sustainable Cultural change through Communication, Education and Training on RRI. GRRIP recognises that for the project to succeed, there must be a two-pronged approach on this important concept:

1. A campaign to raise the awareness both with the RPO&RFO and the QH on RRI
2. Education and training of key actors at all levels in the RPO&RFO and in the QH.

The communication will be part of the steps to positively drive cultural change and raise general awareness of RRI. It will specifically provide updates on the AP activities. In order to maximise the outcome of the APs in the RPO&RFOs and engagement with the QH, there will be ongoing education and training on RRI. This will serve the functions of increasing understanding as well as teaching about the concepts of RRI and enabling researchers to incorporate RRI at all stages of their research i.e. embedding the RRI dimension. Across the heterogeneous groups of top and middle management and grassroots researchers, there will be cross fertilisation and mutual learning

T2.2.1 Creation of a communications plan and strategy

T3.2 SoA review of EU projects with QH involvement

Ensure SoA looks at continuity measures for QH – what is working?

T4.5 Mutual learning, Reflection and Evaluation for QH: (UCC, *SKU, HSRW, DCU) While WP8 will focus on Reflection and Evaluation within the RPO&RFOs, this task is specific to the QH stakeholders. The early stage reviews and feedback are essential to the initial establishment of the QH platform. This task will be more a formal reflection and evaluation based on specific criteria. It will be conducted at stages in the project when the QH engagement has been well established so that each of the QH stakeholders will have had time to participate and reflect on the engagement. Evaluation criteria:

- Reach: Has each QH stakeholder been adequately represented
- Quality: Has the engagement been meaningful and productive, enjoyable and fulfilling?
- Collaboration: Has the engagement resulted in R&I collaboration? Is QH platform fit for purpose?
- Impact: Did each QH participant achieve its engagement objectives?

The process followed will be the same as WP8 covering Evaluation methodology, indicators, questionnaires, interviews and observations. A final report will be produced on the QH platform with recommendations including operations, future collaborations, and membership

Partner no	Partner name	Inclusive engagement with Quadruple Helix (WP4)	Implementation steps
1	UCC MaREI	AS chair of ICoRSA, ICoRSA has an extensive network in all areas of QH	Ensuring contacts for QH for MaREI
6	CNR	As coordinator of Marina project, Contacts with RRI QH in the marine	Providing RRI QH contacts
7	HSRW	WP leader WP 4. Expert in multi-stakeholder management and Social Innovation. Leader of RRING WP4. Experts RRI SoA for RPO, Education, Industry; and trans-cultural analyses	Stakeholder management skill to be employed for community creation
8	EUR	Contacts with RRI network leaders, and stakeholders, drawn from Printeger	Applying lessons learned and best practices identified to GRRIP
9	DMU	Brings expertise from CONSIDER and RRING project on competitive advantage of RRI in industry	Applying lessons learned and best practices identified to GRRIP
10	DCU	Experts on Inclusive engagement experience drawn from NUCLEUS project.	Applying knowledge from NUCLEUS project
11	UNESCO	Organise inclusive engagement events in every part of the globe. Access to all stakeholders	Providing contacts of stakeholders
12	ICoRSA	Organise inclusive engagement events in every part of the globe. Access to all stakeholders	Providing contacts of stakeholders, and ensuring stakeholder engagement