



# Principles of Responsible Research and Innovation (RRI)

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**Info-Day HealthEquity call 2023**

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# This presentation

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## What is RRI

Development from  
Horizon 2020 to  
ERA4Health

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## RRI in ERA4Health

- Integrated/as part of  
the Partnership

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## RRI in research proposals to ERA4Health

- What do we expect from  
the proposal writers?

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## RRI evaluation

Scientific experts view

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## Three fundamentals to build you responsibility approaches (RRI) on

- Added value of RRI
- Continuous process
- Specific scientific  
context

# What is RRI?

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Based on that Research and innovation should

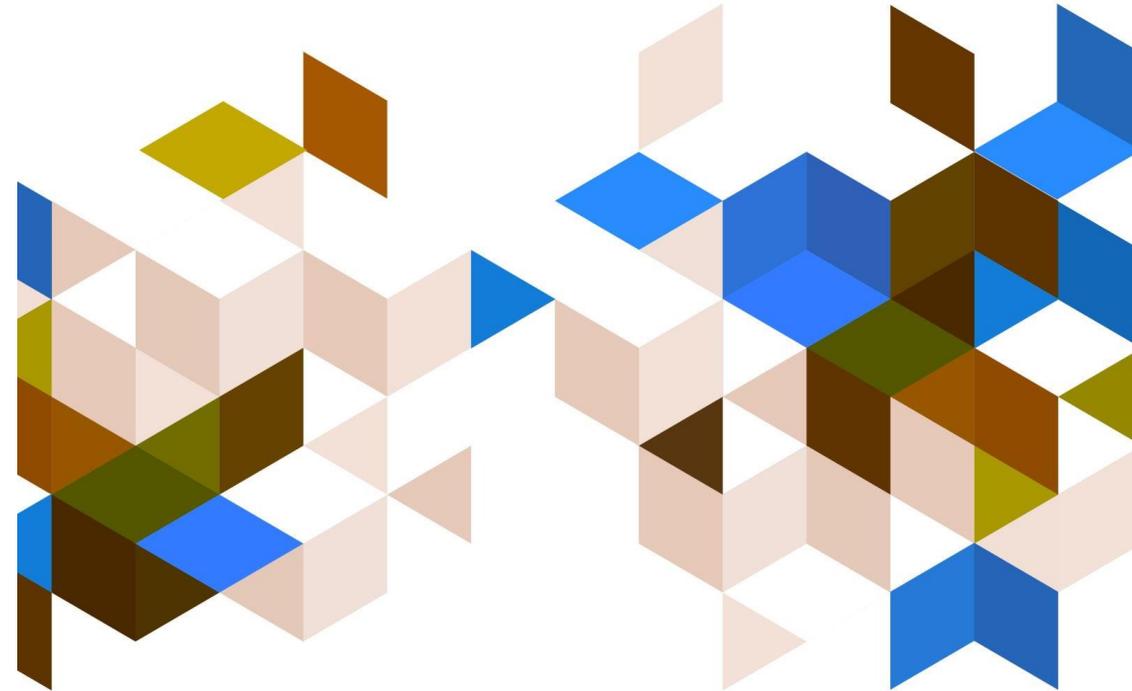
- Address societal needs
- Avoid undesirable side effects if possible

Responsibility integrated into research and innovation practices

- Responsibility cannot be outsourced
- But transdisciplinary collaboration is good!

Responsibility related to

- social, ethical, political, environmental or cultural dimensions



# Implementation of RRI in ERA4Health:

**SRIA: Taking an RRI approach implies to take actions that may include to**

## 01. Anticipate

the future known and unknown **risks** associated with a science or technology;

## 02. Include

a broad range of **stakeholders** in the development of science and technologies;

## 03. Reflect

on the underlying **assumptions and values** driving a scientific research project;

## 04. Respond

to **these processes** by incorporating their outcomes into **the design** of research projects and funding programmes.

## RRI is not «shaped» as in Horizon 2020....

Ethics, Gender and Open Science are separate important cross-cutting issues





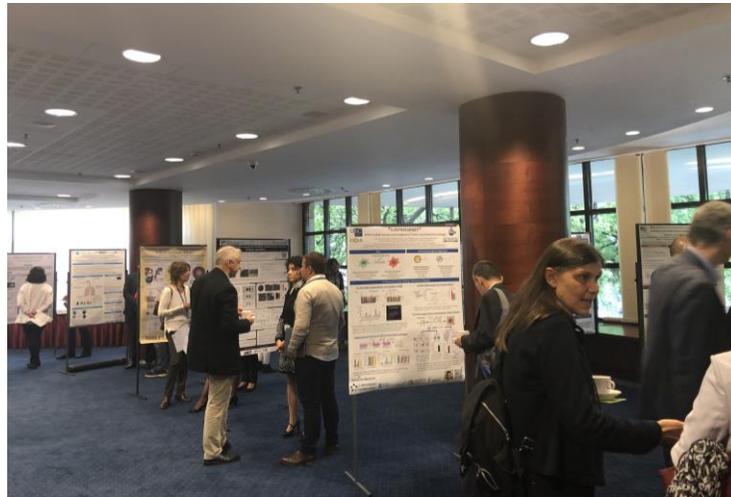
## Specific Objective 4 of ERA4Health

- Implementation of Responsible Research and Innovation principles  
ERA4Health will *implement and develop* Responsible Research & Innovation (RRI) and other cross cutting objectives in multiple ways *from the Partnership operationalization to the implementation of calls or the project evaluation* and will self-assure that research performed under the frame of ERA4Health respects RRI principles.
- ERA4Health will promote research that anticipates and assesses potential implications and societal expectations with regard to research and innovation, with the aim to *foster the design of inclusive and sustainable research and innovation to ensure a true societal impact.*



# Co-creation workshop to further develop the EuroNanoMed III RRI Guidelines

(Bratislava May 2019)



Using a common meeting place:  
Review seminar for funded nanomedicine research projects



Co-creation by using  
- RRI and nanomedicine scientists  
- Experts Advisory Board  
- Peer review panel members  
- Funding Agency representatives (the ERA-NET partners)



Documenting the outcome and using it in the shaping of updated RRI Guidelines

(October 2019)



## The HealthEquity call text – 5. General conditions for application

Proposals should follow the principles of Responsible Research and Innovation (RRI). All consortia should demonstrate a commitment for investigating and addressing the social, ethical, political, environmental or cultural dimensions **of the proposed research**. For further information please refer to the "Guide for applicants\*".

\*Guideline for applicants Proposal application form

# RRI in a proposal to ERA4Health

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The **HealthEquity** Guideline for applicants  
Proposal application form:

- The proposal template further elaborates on this and how RRI dimensions can be approached.

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## RRI related to other issues

- RRI is closely related to other cross-cutting issues, and actions can be taken that address both RRI and other important values, such as **public/user engagement, open science or ethical assessments**

# The proposal application form

## Responsible Research and Innovation (RRI) and other cross cutting issues:

### a. General RRI aspects (*max 0.5 page*) (**mini RRI Guideline**)

**Responsible research and innovation (RRI)** is an approach that anticipates and assesses potential implications and societal expectations with regard to research and innovation, with the aim to foster the design of inclusive and sustainable research and innovation to ensure a true societal impact.

RRI implies that societal actors (researchers, health care systems, citizens, policy makers, industry, third sector organisations, etc.) work together during the whole research and innovation process in order to better align both the process and its outcomes with the values, needs and expectations of society.

As the involvement of societal groups is essential in RRI it is often connected to co-creation, co-design and co-production – methodologies in which R&I projects are structured to include stakeholders from the outset (e.g. users or interest groups) – and is related to the general Open Science agenda. RRI can also involve interdisciplinarity, with the inclusion of expertise from the social sciences and humanities (SSH). Being inclusive also implies taking diversity seriously.

#### Implementation of RRI in ERA4Health:

Taking an RRI approach implies to take actions that may include to

- a) Anticipate the future known and unknown risks associated with a science or technology;
- b) Include a broad range of stakeholders in the development of science and technologies;
- c) Reflect on the underlying assumptions and values driving a scientific research project; and
- d) Respond to these processes by incorporating their outcomes into the design of research projects and funding programmes.

RRI is closely related to other cross-cutting issues, and actions can be taken that address both RRI and other important values, such as public/user engagement, open science or ethical assessments

#### Guidelines for RRI:

<https://rri-tools.eu/> - provides numerous resources for practical RRI.

<https://thinkingtool.eu/> - The Societal Readiness Thinking Tool guides you through the steps of including RRI in a project.

- **Explain how the project will demonstrate a commitment to investigating and addressing the social, ethical, political, environmental or cultural dimensions of the proposed research.**

# The proposal application form

## Responsible Research and Innovation (RRI) and other cross cutting issues:

### b. Stakeholder Involvement *(max 0.5 page)*

- Describe the role and contribution of operational stakeholders (e.g. patient advocacy groups, citizens and/or citizen representatives, local communities, schools, municipalities, local/national NGOS, consumer organisations.)
- Describe the level of involvement for each stage of the research
- Explain reasoning behind involving/not involving certain stakeholders

### c. For projects with high potential of applicability at short/medium term *(max 0,5 page)*

- Expected time for market and transfer to patient towards clinical and public health applications, pharmaceutical/health device applications, other industrial applications including market and end user's scenario, quality of dissemination, exploitation and business plan.

### d. Ethical considerations

- The proposal complies with ethical principles (including the highest standards of research integrity — as set out, for instance, in the European Code of Conduct for Research Integrity — and including, in particular, avoiding fabrication, falsification, plagiarism or other research misconduct).....

# “ The HealthEquity call text – 7. Application

## 7.1 Eligibility

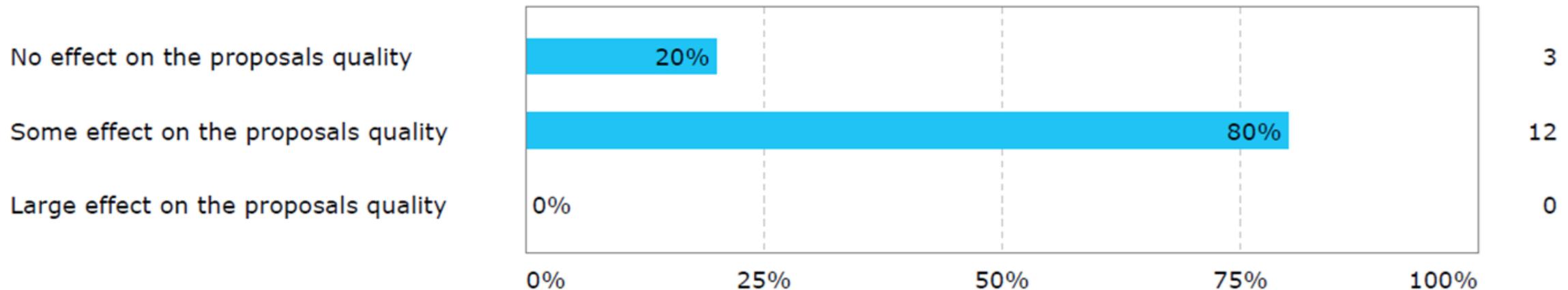
Criteria Joint research proposals may be submitted by applicants belonging to one of the following categories (according to national/regional regulations; **certain categories may not be eligible for funding by a specific funding organisation, please see Annex I**):

.....A., B., C., and

**D. Operational stakeholders** – e.g. citizens and/or citizen representatives, local communities, schools, municipalities, local/national NGOS, consumer organisations. In line with the concept of RRI, operational stakeholders should be in a position to provide useful knowledge to the consortium, ensure the consortium’s research is useful and translatable to their (or other) organizational contexts, and/or influence decision making or create change within their organisations. Operational stakeholders should be engaged in the research process from conception of the study to dissemination

# Evaluating RRI aspects in a proposal (EuroNanoMed JTC2017)

Generally, how do you find the RRI request effected the over-all quality of the projects?



# Three fundamentals to build your responsibility approaches (RRI) on

- A. Having collaborative or institutional will to “do” RRI and an understanding of RRI added value
- B. Understanding responsibility/RRI as developing and continuous processes
- C. Putting the responsibility discussions in a concrete scientific context **and share responsibility**



## Specific Objective 4 of ERA4Health

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**Increasing health equity through promoting healthy diets and physical activity - “HealthEquity”**

**#HealthEquity\_E4H**

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