OpenUP

PPMI — PUBLIC POLICY AND MANAGEMENT INSTITUTE
GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN
HELLENIC REPUBLIC — National and Kapodistrian University of Athens
UNIVERSITEIT VAN AMSTERDAM
KNOW Center
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY — TOMORROW TODAY
DZHW — Deutsches Zentrum für Hochschul- und Wissenschaftsforschung
frontiers
Consiglio Nazionale delle Ricerche

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OPENing UP new methods, indicators and tools
for peer review, dissemination of research results, and impact measurement
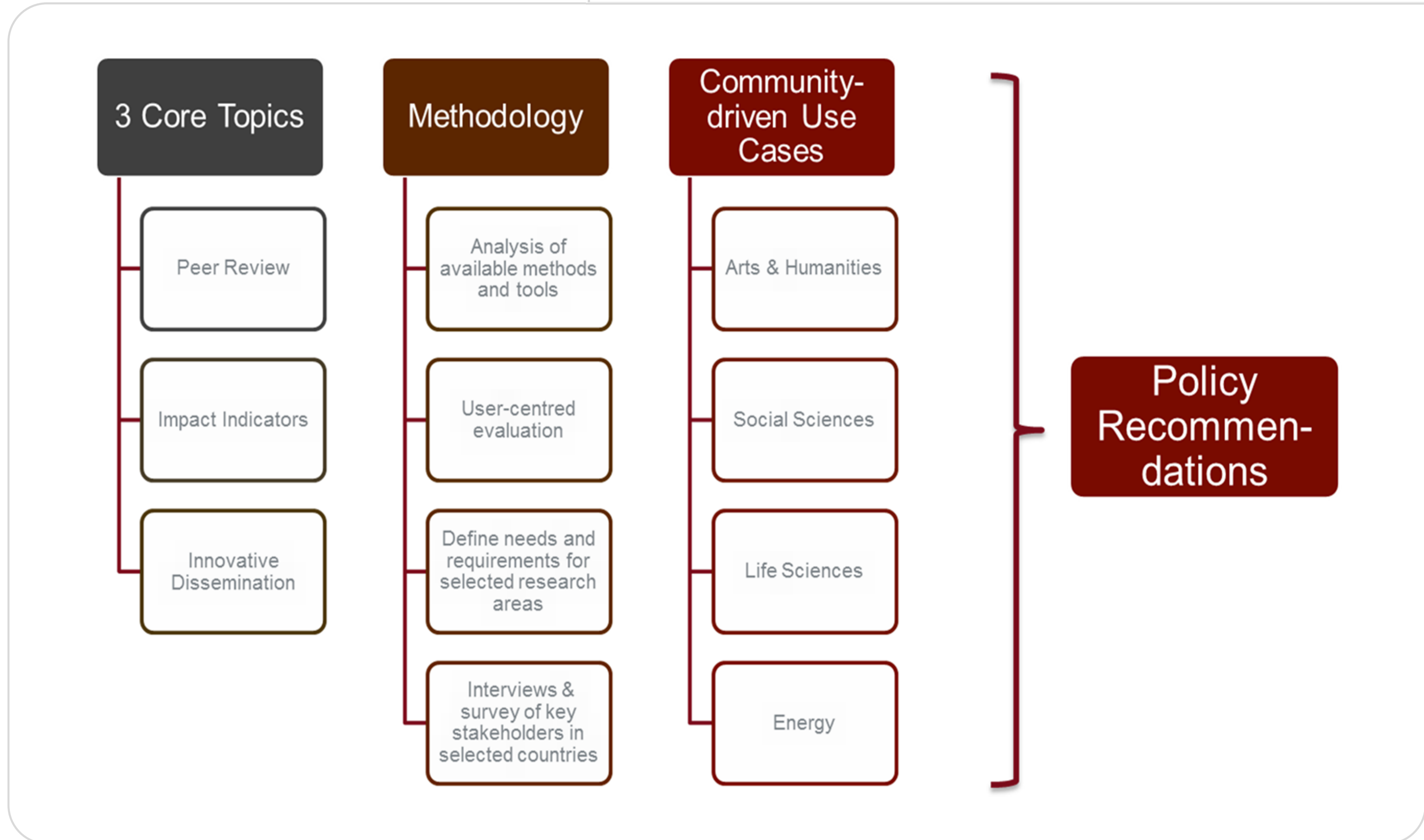
EXCELLENCE

The exponentially growing research output, the increasing demand for a more open, transparent and reproducible science, as well as apparent shortcomings in present quality assurance and evaluation methods require key stakeholders to re-think the very nature of how the quality of research artefacts is evaluated. In addition, novel and innovative ways of disseminating research outputs revolutionise the ways how and to whom science is communicated, and how stakeholders interact with the scientific community.
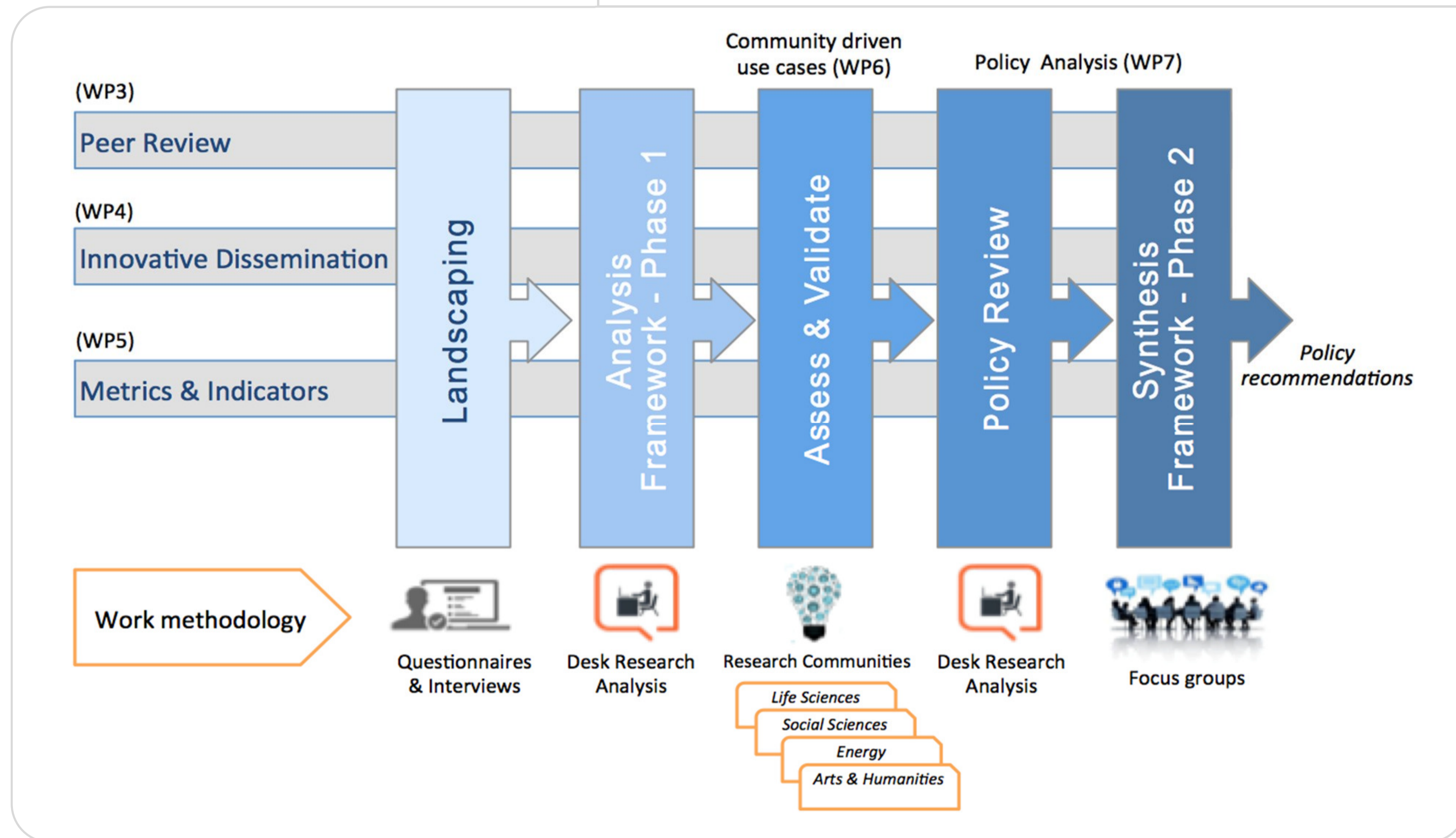
The review-disseminate-assess cycle is a multifaceted process involving different stakeholders: researchers, publishers, institutions and funders, industry and citizens. OpenUP aspires to facilitate the process of bringing all these stakeholders into an open dialogue so as to consensually identify and spread the review-disseminate-assess mechanisms fit for the evolving practices of RRI in an Open Science context.

OpenUP will engage with all stakeholders via a series of outreach and training events, and the creation of an Open Information Hub, a collaborative web-based Knowledge Base that will host a catalogue of open tools/services, methodologies, best practices from various disciplines or settings, success stories, reports.

OVERVIEW

3 Core Topics: Peer Review; Impact Indicators; Innovative Dissemination

Methodology: Analysis of available methods and tools; User-centred evaluation; Define needs and requirements for selected research areas; Interviews & survey of key stakeholders in selected countries

Community-driven Use Cases: Arts & Humanities; Social Sciences; Life Sciences; Energy

Policy Recommendations

OVERALL METHODOLOGY

(WP3) Peer Review
(WP4) Innovative Dissemination
(WP5) Metrics & Indicators

Community driven use cases (WP6) — Policy Analysis (WP7)

Landscaping → Analysis Framework - Phase 1 → Assess & Validate → Policy Review → Synthesis Framework - Phase 2 → *Policy recommendations*

Work methodology: Questionnaires & Interviews; Desk Research Analysis; Research Communities (Life Sciences, Social Sciences, Energy, Arts & Humanities); Desk Research Analysis; Focus groups

OBJECTIVES

Objective 1 – Engage the community & raise awareness for quality RRI *review-disseminate-assess* processes

Objective 2 – Explore, analyse and promote (Open) peer review mechanisms

Objective 3 – Explore and promote innovative methods of research dissemination and communication

Objective 4 – Define research metrics and indicators for different stakeholders

Objective 5 – Validate the OpenUP framework with community driven pilots

Objective 6 – Produce cohesive policy recommendations to complement the European RRI activities

WORK PACKAGES

Work Package 1 – Management and Coordination

Work Package 2 – Outreach and Exploitation

Work Package 3 – Peer Review Framework

Work Package 4 – Innovative Dissemination Framework

Work Package 5 – Impact Indicators Framework

Work Package 6 – Community driven use cases and pilots

Work Package 7 – Policy Analysis, Recommendations and Guidelines

EXPECTED IMPACTS

Work programme Impact #1 – Development of more open and comprehensive as well as gender sensitive ways of conducting research and fostering innovation

Work programme Impact #2 – Ensure originality and high-quality contributions to science through the use of new technology

Work programme Impact #3 – Contribute to a better science and a more open science system through the optimal circulation of knowledge within the ERA

Work programme Impact #4 – Ensure that the impact of scientific information on all actors of the society can be measured in a reliable way

PILOTS

Pilot Study #1 – Open Peer Review for Conferences

Pilot Study #2 – Open Peer Review for Research Data

Pilot Study #3 – A data journal for the Arts and Humanities

Pilot study #4 – Transferring the research lifecycle to the web (Open Science Repositories)

Pilot study #5 – Addressing & reaching businesses and the public with research output

Pilot study #6 – Relevance of dissemination channels and altmetrics indicators

Pilot study No 7 – Piratical demand as one form of impact indicator/Piratical distribution as an alternative form of reaching unexpected audiences