

PATTERN.

Empowering Higher Education Institutions by trainings for researchers on Open and RRI practices

Pedro Principe, Antonia Correia, Paula Moura, Andre Vieira, Cristina Lagido, University of Minho, Portugal; Aarhus University, Denmark

METHODOLOGY

PHASE

01

Consolidation of knowledge

PHASE

02

Developing PATTERN Training Activities and Platform

PHASE

03

Testing PATTERN Training Modules

PHASE

04

Evidence for Policy Development

8 TRAINING MODULES

- 1 Open Access
- 2 FAIR Data Management
- 3 Citizen Science
- 4 Research Integrity
- 5 Gender, non-discrimination and inclusion in research
- 6 Dissemination and Exploitation of results
- 7 Science Communication
- 8 Management and Leadership

IN A NUTSHELL

PATTERN aims at promoting the practice of Open and Responsible Research and Innovation by developing and piloting training activities for researchers at all stages of their careers.

8 transferable skills on Open Responsible Research and Innovation

14 Higher Education Institutions testing PATTERN training

8 training modules

1 innovative PATTERN platform

+100 training activities

TARGETS

Researchers
Who will benefit from the trainings

Higher Education Institutions
Who will deliver the trainings
Who is responsible for researchers' trainings

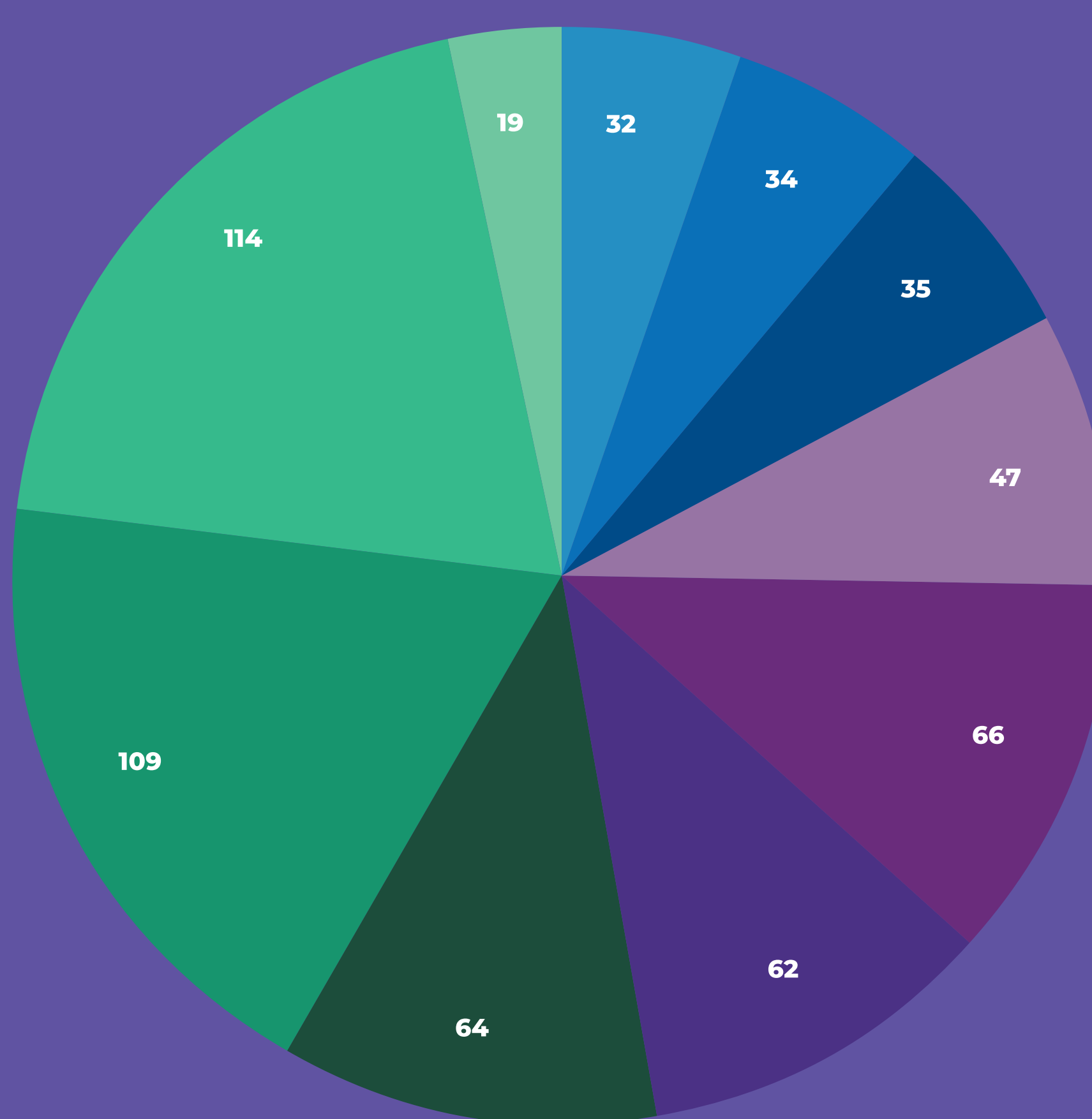
Civil society
Who will interact with researchers trained through PATTERN

Polymakers
Who will influence the trainings organization in HEIs

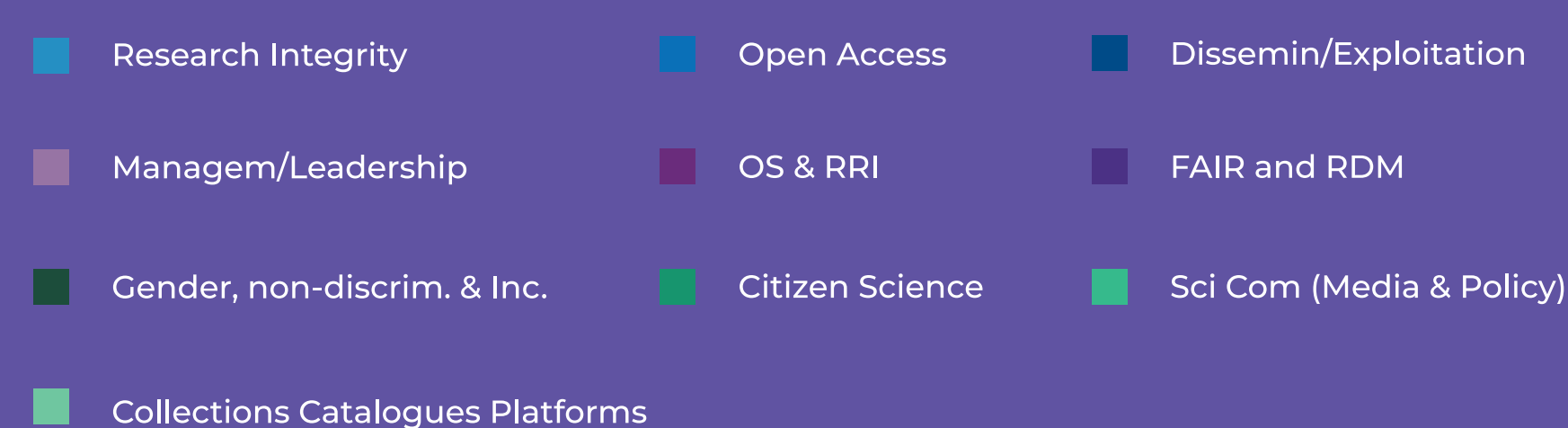
Methodology

1. Consolidation of knowledge:

Through collective knowledge gathering in the Pattern consortium, desk research, and a survey, PATTERN has mapped over 500 training resources covering **Open Access; FAIR Data Management; Citizen Science; Research Integrity; Gender, non-discrimination and inclusion in research; Dissemination and Exploitation of Results; Science Communication and Management and Leadership**



Total resources mapped: 571

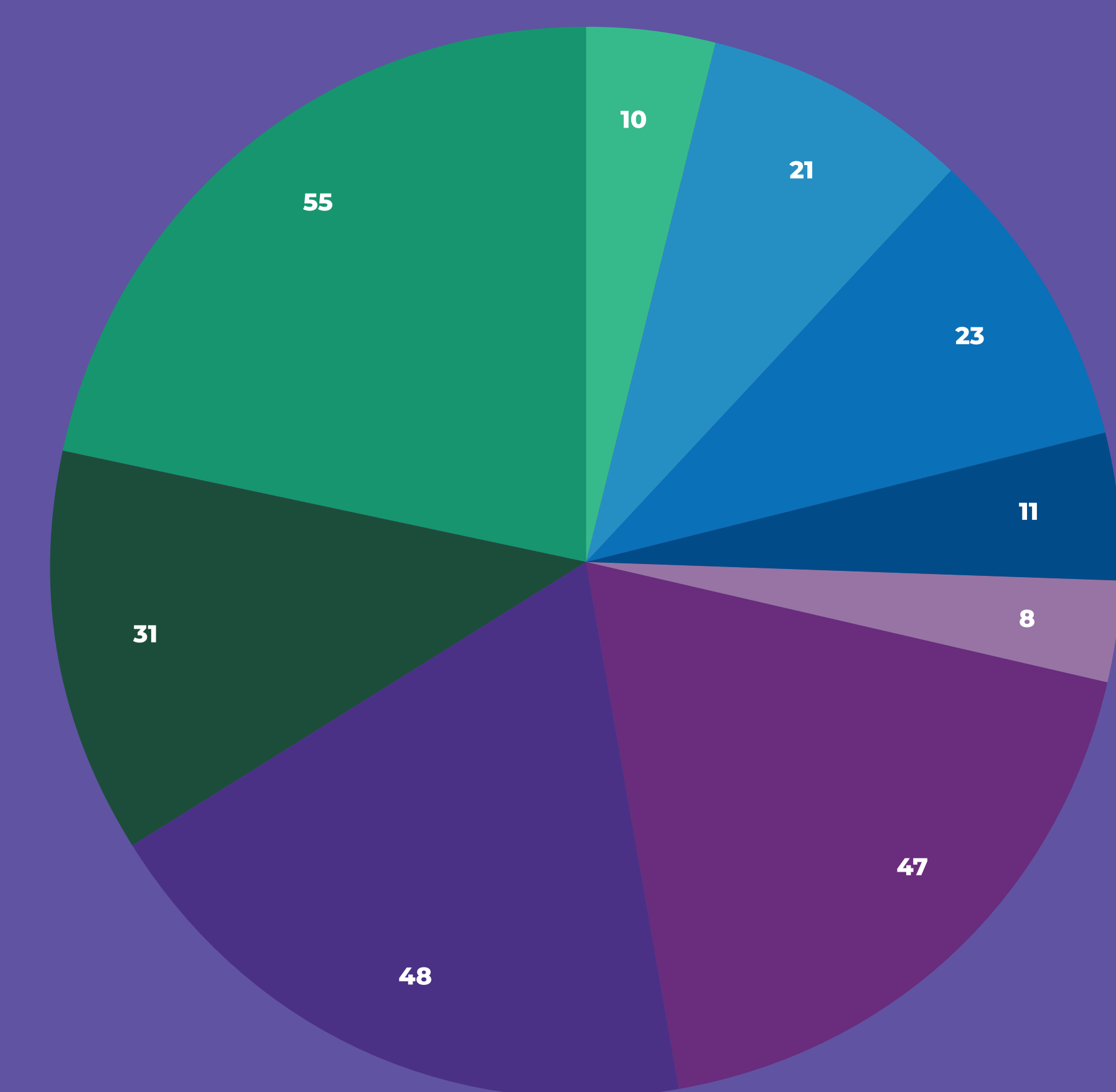


Report on the analysis of existing training activities and quality assessment. <https://doi.org/10.5281/zenodo.10640916>

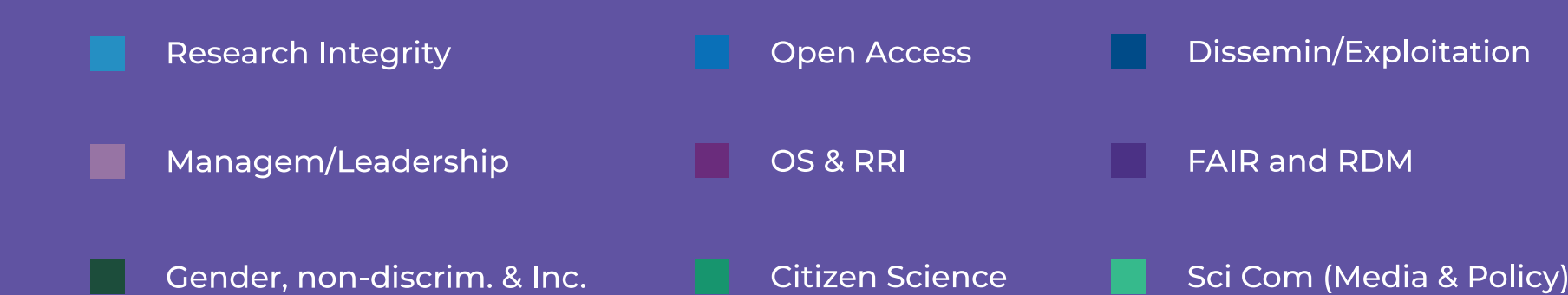
Sub-set of training resources undergone quality assessment

2. A sub-set of training resources of each area has undergone quality assessment according to the following criteria:

- resource accessibility
- ease of implementation and reuse/adaptation
- readability and legibility
- image and audio quality
- clear aims, goals and methods



Total resources assessed: 254



Report on the analysis of existing training activities and quality assessment. <https://doi.org/10.5281/zenodo.10640916>

Strengths in existing training

- Diverse training materials (e.g. various formats and media)
- Interactivity and knowledge exchange opportunities
- Orientation towards **practice** (e.g. step-by-step guidance, easily accessible tools and resources, realistic case studies, reflection questions, etc.)
- Inclusivity** (e.g. meeting the needs of communities and underrepresented social groups/minorities, multiple languages, balanced gender portrayal, etc.)
- Clear structure** (e.g. easy navigation/logical progression through content)
- Clear and engaging language**
- Ease of implementation and adaptation** (e.g. licences that allow open access and content adaptation, modular lesson packages, etc.)
- Addressing **knowledge gaps and emerging issues**

Courses

Courses being developed within the project, by topic area: Under preparation and to be piloted by the project partner institutions. These courses will be open and publicly available via the project website and Open Plato (<https://openplato.eu/>).

Transferable skills	Courses
Open Access	Open Access publishing: overcoming the challenges and busting the myths
	Empowering Researchers: Retaining Copyright and Maximize Your Impact in Open Access Publishing
	Meeting Funder Requirements: Navigating Open Access Publishing
	Trusted Publishers for my research: decoding good practices & overcoming predatory publishers
	Mastering Open Peer Review: Evaluating and Engaging in Transparent Scholarly Discourse
	Integrating Open Access Publishing into my research: putting into practice
	Designing my research project Open Access strategy: meeting funder requirements
FAIR Data Management	What is FAIR RDM and why should we do it?
	Planning for FAIR: Introduction to RDM and DMPs
	Getting started with putting FAIR RDM into practice
	A deeper dive into putting FAIR RDM into practice. Part 1. A deeper dive into putting FAIR RDM into practice. Part 2.
Citizen Science	An introduction to Citizen Science
	Participant Management and Community engagement
Research Integrity	Introduction to Research Integrity and the Good Scientific Practice in Responsible Research and Innovation
	Unconscious biases
Gender, non-discrimination and inclusion	Inclusive Language
	Inclusive working environment
	Gender-sensitive research
	Gender and FAIR data Gender and inclusion dimension in research funding
Science Communication	Science Communication towards media and policy makers
Dissemination and exploitation	Get Funding for your Research, then disseminate, communicate and exploit the research results
Mental Health Leadership	Mental Health Leadership for early career researchers

Gaps and opportunities

- Multilingualism, creation of training courses that use local languages
- Lack of advanced level trainings
- Defining the needs of learners at different career stages
- Defining maturity models specific to each topic
- Certification and accreditation
- Intersectionality between training topics

Aims while developing training within Pattern

- Learner-centric** approaches: Interactivity, knowledge exchange opportunities, building supportive communities, and customised learning paths and a variety of learning formats.
- Integration across disciplines**, multidisciplinary and interdisciplinarity
- Repurposing** of training resources and **alignment** with the existing needs and training frameworks in RPOs
- '**Learn by doing**' and '**Problem based learning**', with trainees working on problems or data that interests them results in good engagement. Similarly, tangible examples are key.
- Integrating theory** into practice for a richer training experience.
- '**Train-the-Trainer**' courses paying special attention to pedagogy, with comprehensive supporting materials that allow for local adaptation.

Consortium



Funded by the European Union

Stay in touch

www.pattern-openresearch.eu
@PatternEU

