

Wednesday late morning session Track A, Wednesday, Sep 24 2025, 11:30-13:00

Location: Main Hall

Session: Trust in Science

Chair: Vidar Enebakk

OR-08

Enhancing Research Integrity Training: The BEYOND Trainer Guide

Daniel Pizzolato¹, Erika Lofstrom², Anu Tammeleht², Giulia Inguaggiato³, Josephina Antoniou⁴

¹EUREC, Germany

²University of Helsinki, Finland

³Amsterdam University Medical Center, Netherlands

⁴UCLan Cyprus, Cyprus

In recent years, the European Commission has made substantial investments in projects aimed at strengthening responsible conduct of research. This effort has led to the development of comprehensive training programs and resources designed to equip both researchers and trainers with essential knowledge and skills.. Initiatives such as VIRT2UE, Path2Integrity, INTEGRITY and ENERI have played a crucial role in shaping these educational materials, which are freely accessible for immediate use.

Despite the wealth of available resources, tailoring training materials to different career stages and competence levels in remains a challenge. To address this, the BEYOND project has developed a Trainer Guide to provide practical guidance for teaching research ethics and integrity to diverse audiences, including students, early-career and senior researchers, and research ethics and integrity experts and trainers.

The development of the BEYOND Trainer Guide involved a thorough analysis of existing educational resources. An initial draft was discussed in a co-creation workshop with developers of the presented materials and relevant stakeholders. Subsequent drafts underwent multiple review rounds before the guide was finalized and published in its current version.

The BEYOND Trainer Guide aims to disseminate existing training resources and equip trainers with the knowledge, strategies, and resources necessary to create engaging, insightful, and transformative learning experiences. It is designed to enhance trainers' skills while allowing flexibility in adapting content to their audience. The pedagogical approaches promoted in the Trainer Guide are research-based and include cases, collaborative approaches, scaffolding techniques, and feedback. Furthermore, it presents examples of potential implication of using artificial intelligence tools in training.

Structured from a pedagogical perspective, the guide guides trainers from design to evaluation. First, it outlines how to develop teaching strategies and aligns them with intended learning outcomes. Second, it provides strategies for utilizing existing training materials, including those developed within EU-funded projects. Third, it provides guidance on how to select appropriate material and effectiveness measurement tools and lastly, it offers examples of tailored training resources designed to address various career stages—such as students, early-career researchers, and senior professionals—as well as different levels of expertise in research ethics and integrity.

By facilitating the adaptation of training materials, the BEYOND Trainer Guide represents a valuable tool for fostering high-quality research integrity training tailored to diverse audiences. By offering structured guidance, adaptable resources, and pedagogical strategies, it empowers trainers to create meaningful and impactful learning experiences.