

# *Education in Research Integrity for PhD students in Europe*

NRIN RI lunch June 2021

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# 1. Introduction

*Challenges for research integrity (RI)*



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graph TD; A[Challenges for research integrity (RI)] --> B[A changing research environment]; B --> C[FFP and QRPs]; C --> D[Institutional responsibility in promoting for promoting the integrity in research (ALLEA 2017)]; D --> E[How is RI education implemented for PhD students in Europe?];
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*A changing research environment*

*FFP and QRPs*

*Institutional responsibility in promoting for promoting the integrity in research (ALLEA 2017)*

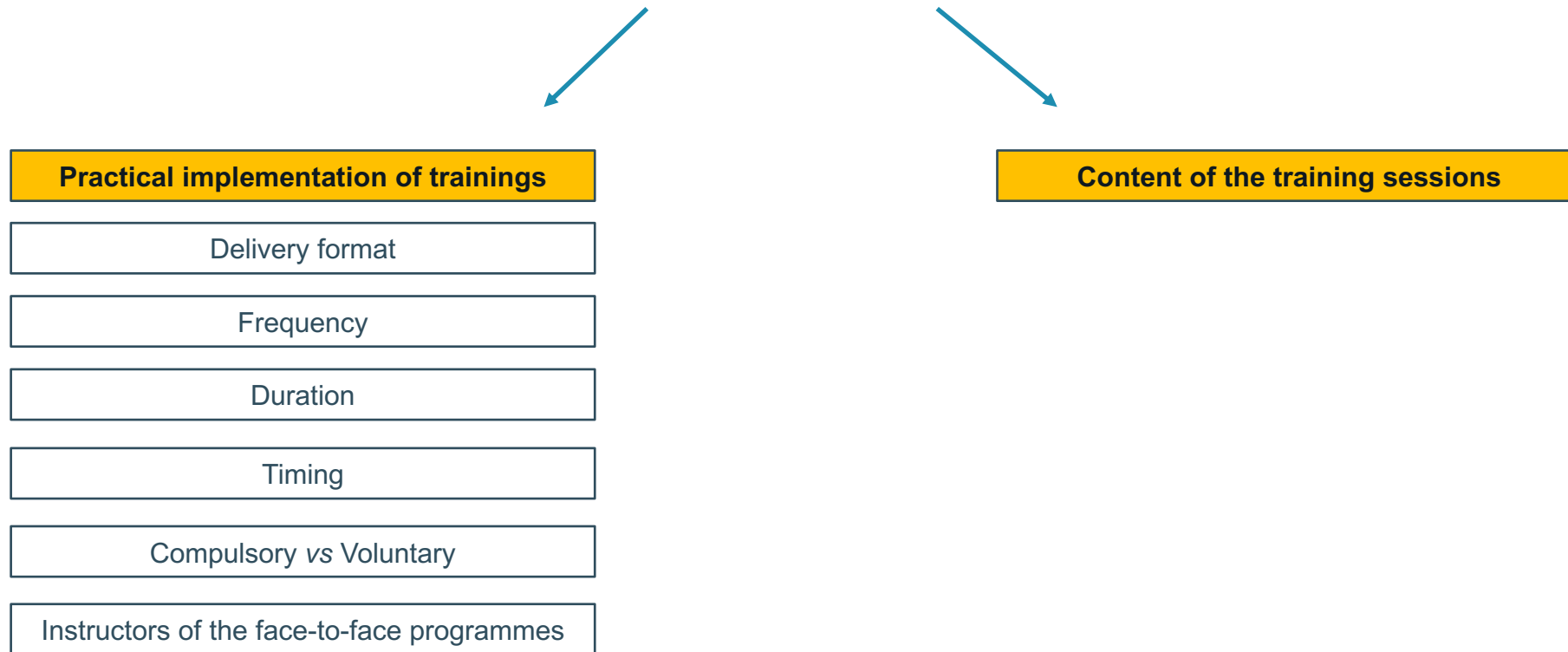
*How is RI education implemented for PhD students in Europe?*

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## 2. Objectives

To map the education in RI for PhD students



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# 3. Methods

Sample

LERU (League of European Research Universities)

Doctoral training is a key part of the mission

Significant impact on research in Europe and abroad

Attract many international researchers

Data collection

Data analysis



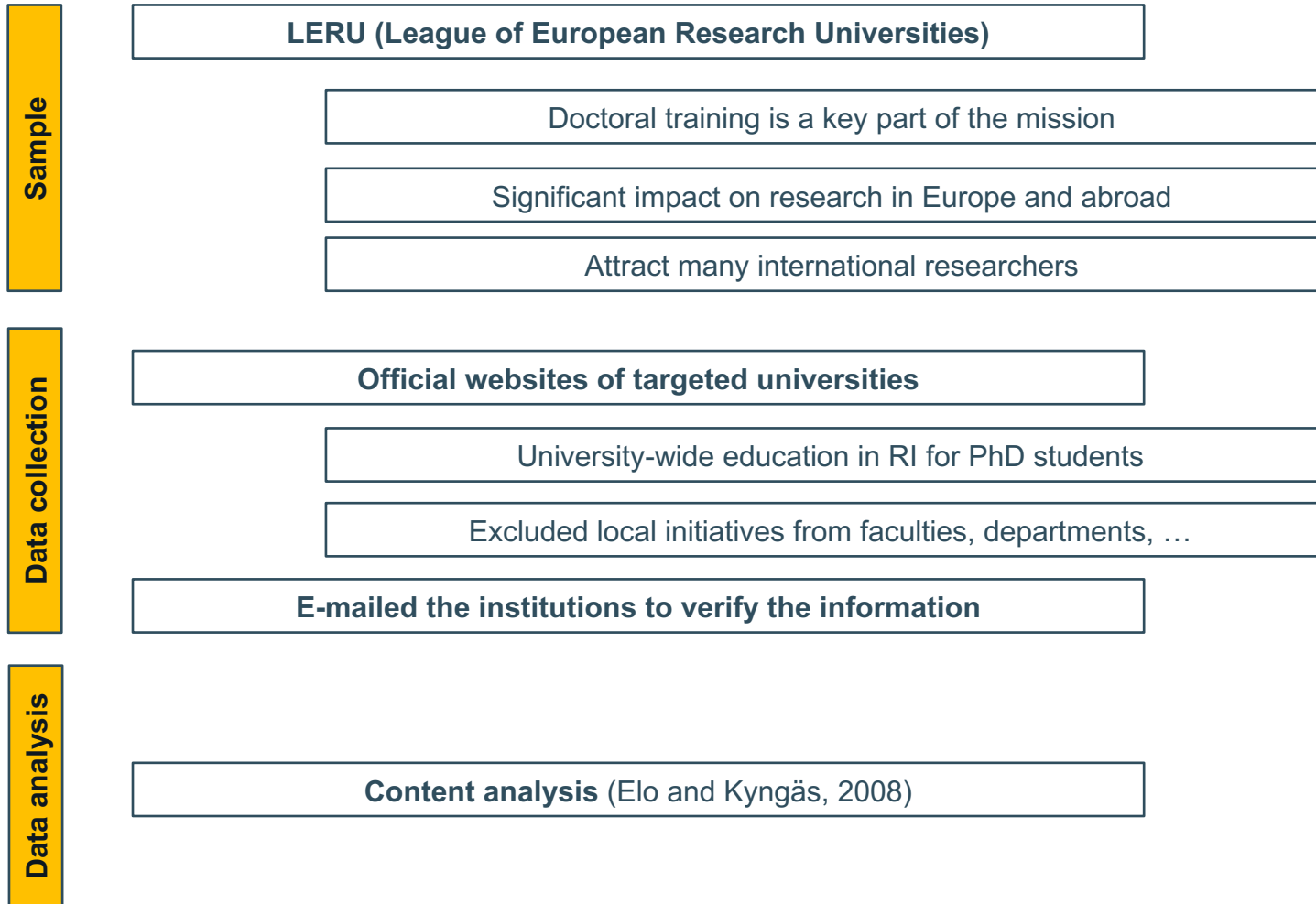
PUSHING  
THE FRONTIERS  
OF INNOVATIVE  
RESEARCH

## LERU members:

University of Amsterdam  
Universitat de Barcelona  
University of Cambridge  
University of Copenhagen  
Trinity College Dublin  
University of Edinburgh  
University of Freiburg  
Université de Genève  
Universität Heidelberg  
University of Helsinki  
Universiteit Leiden  
KU Leuven  
Imperial College London  
University College London  
Lund University  
University of Milan  
Ludwig-Maximilians-Universität München  
University of Oxford  
Pierre & Marie Curie University  
Université Paris-Sud  
University of Strasbourg  
Utrecht University  
University of Zurich



# 3. Methods



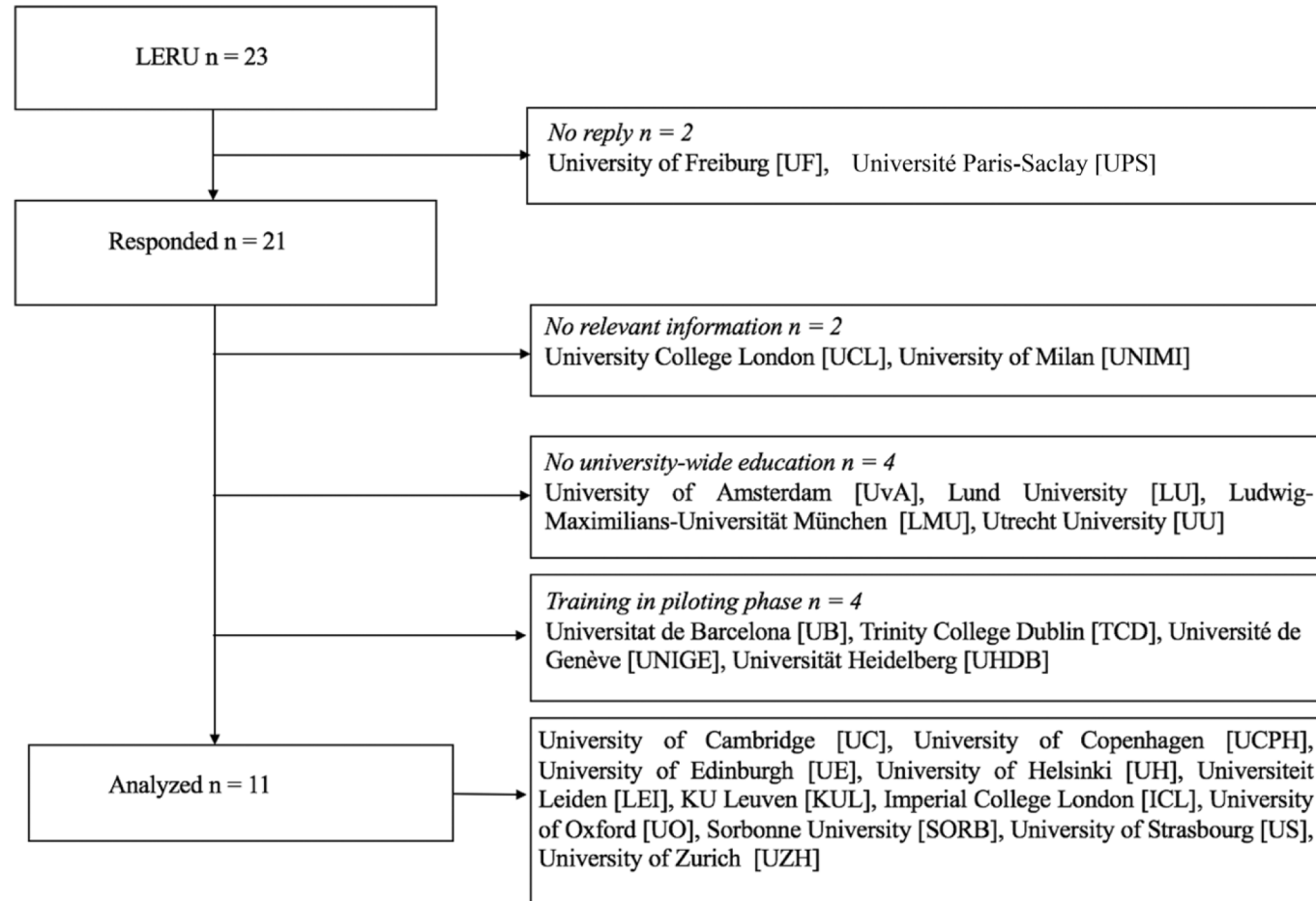


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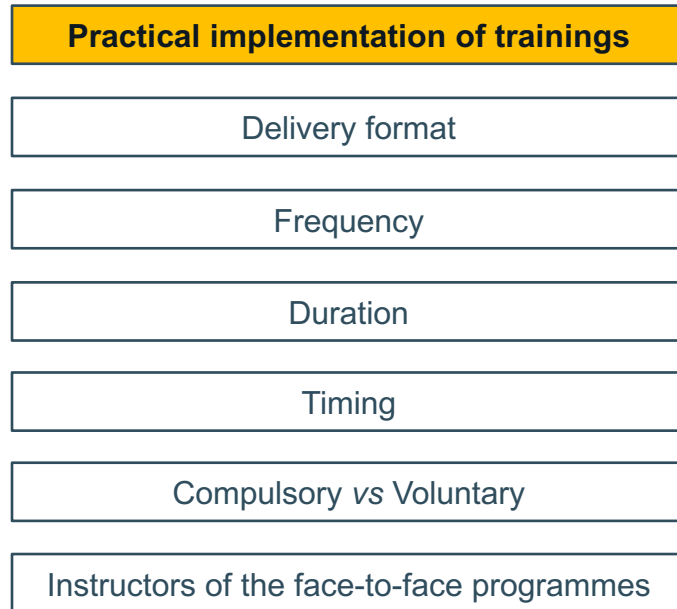
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# 4. Results

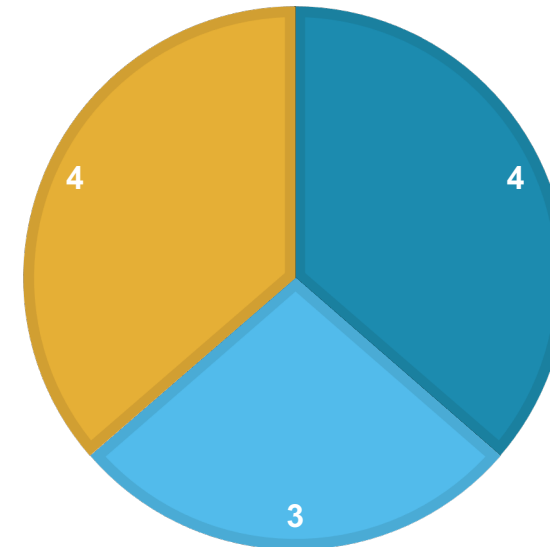
- Sample characteristics



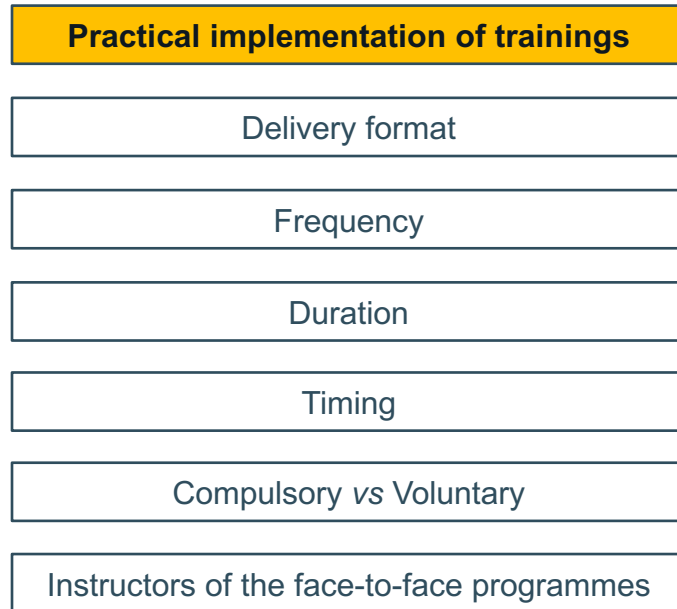
# 4. Results



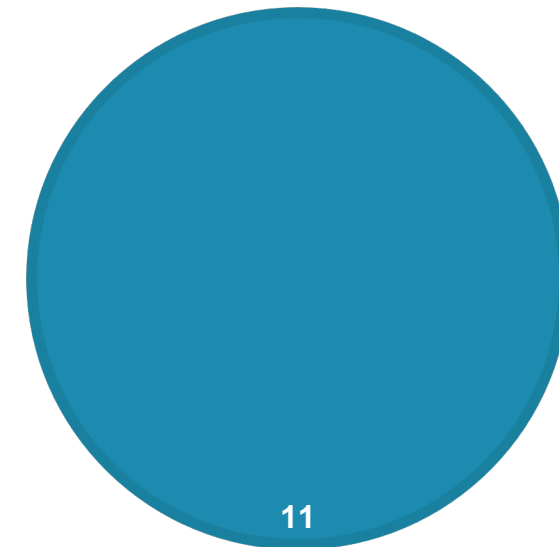
■ Face-to-face ■ Online ■ Hybrid



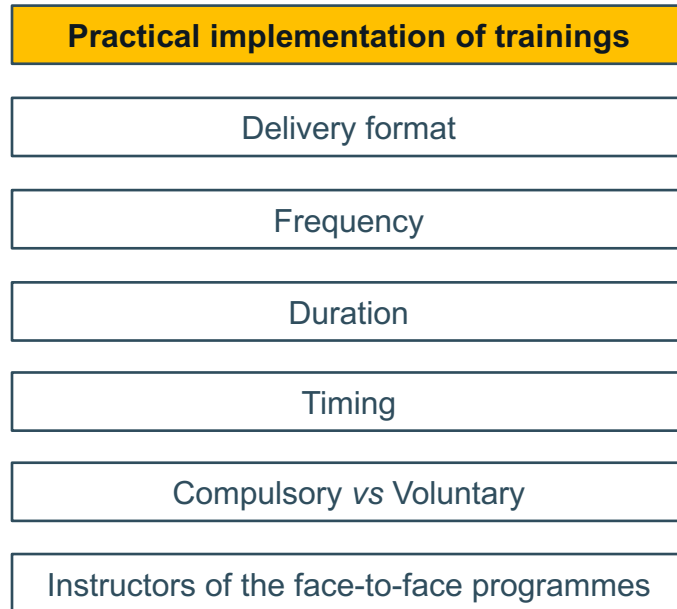
# 4. Results



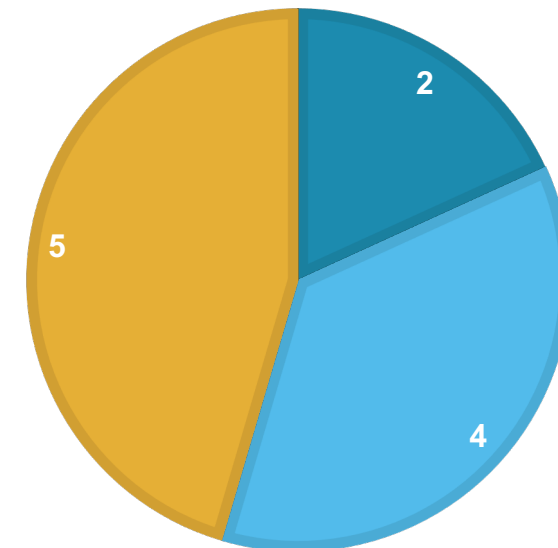
■ Single training ■ Continuous training



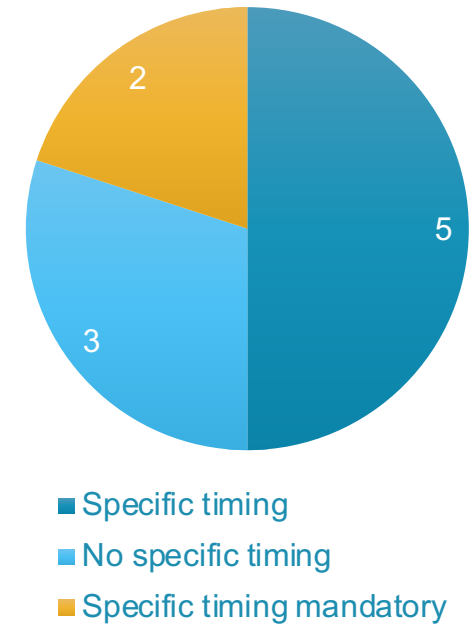
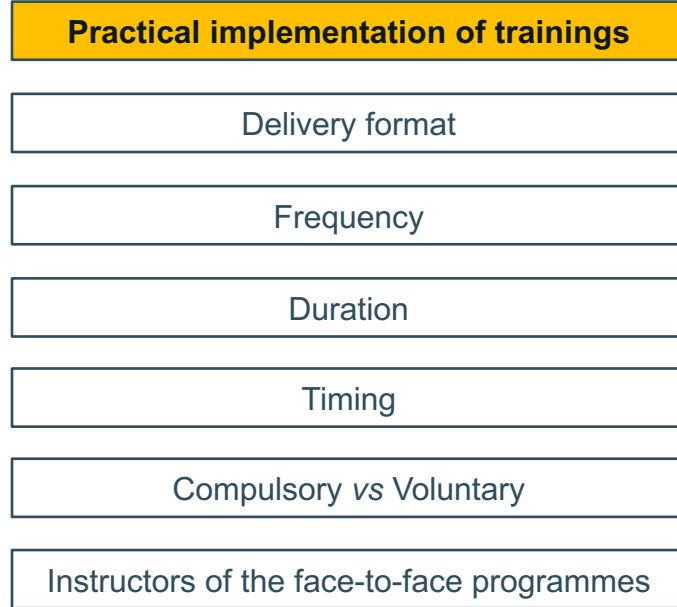
# 4. Results



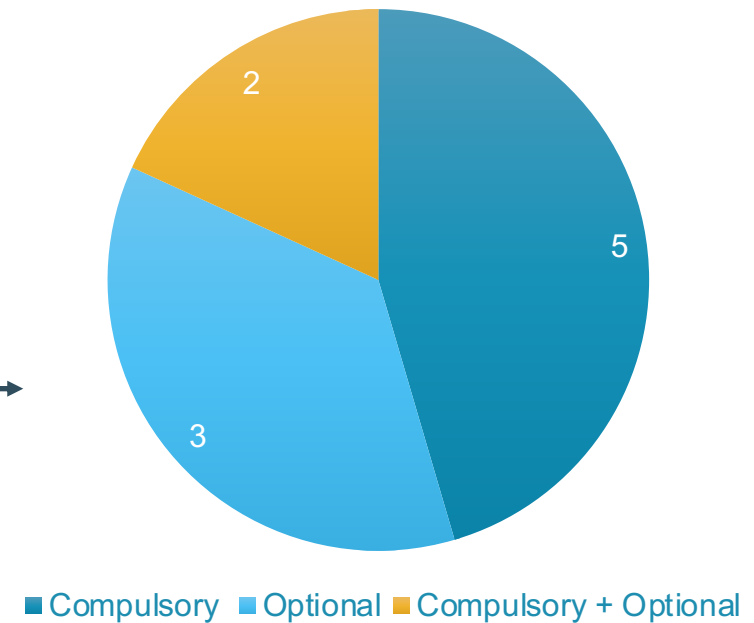
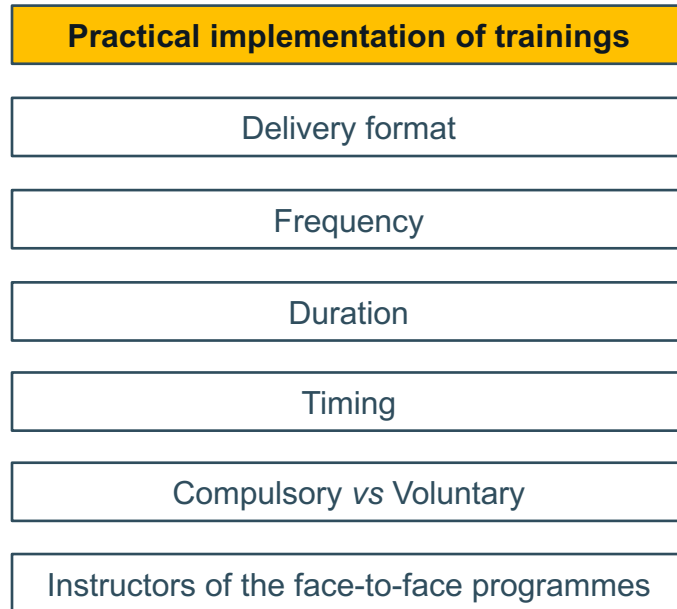
■ < 3 hours   ■ 3 - 8 hours   ■ > 8 hours



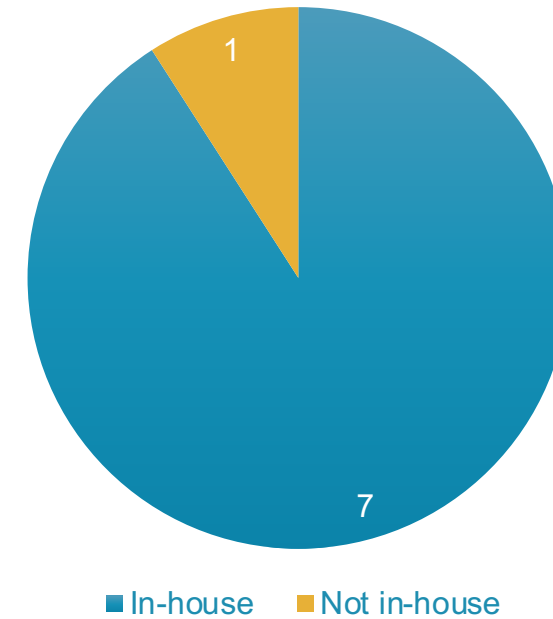
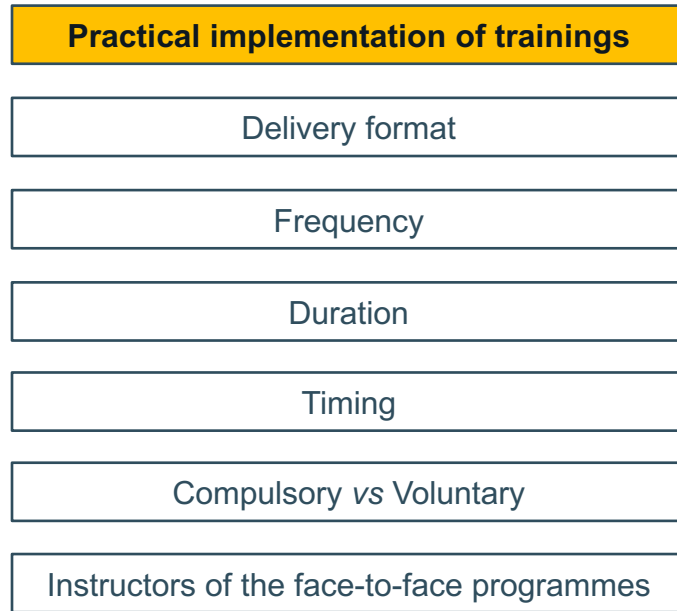
# 4. Results



# 4. Results



# 4. Results

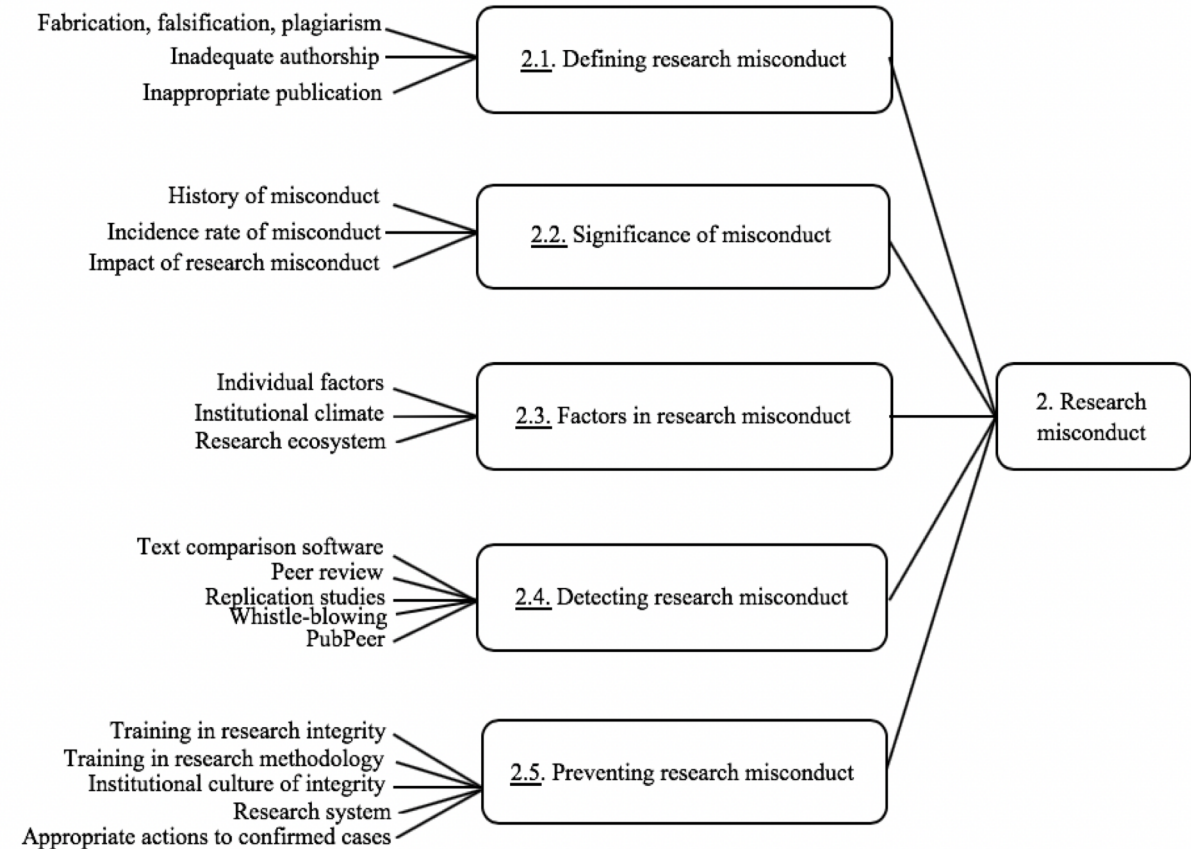
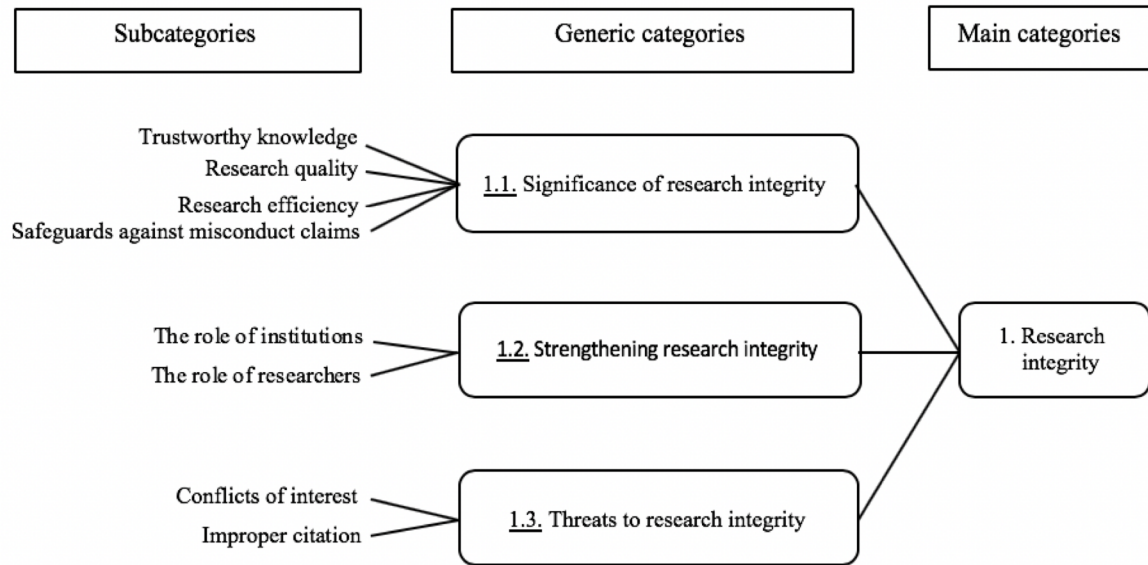




# 4. Results

## Content of the training sessions

**Fig. 2** Abstraction process of the specific aspects of training content in subcategories, generic categories and main categories



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# 5. Conclusion

- A limited number of universities (11/23) developed university-wide RI training for PhD students
- Information on training, and especially on the content of course, proved difficult to access from the official websites → possibly available for staff only
- Data analysis revealed substantial variations in format, frequency, duration, timing among European universities
- Universities have a duty of care to promote RI (Bouter 2020, Mejlgaard et al 2021)

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