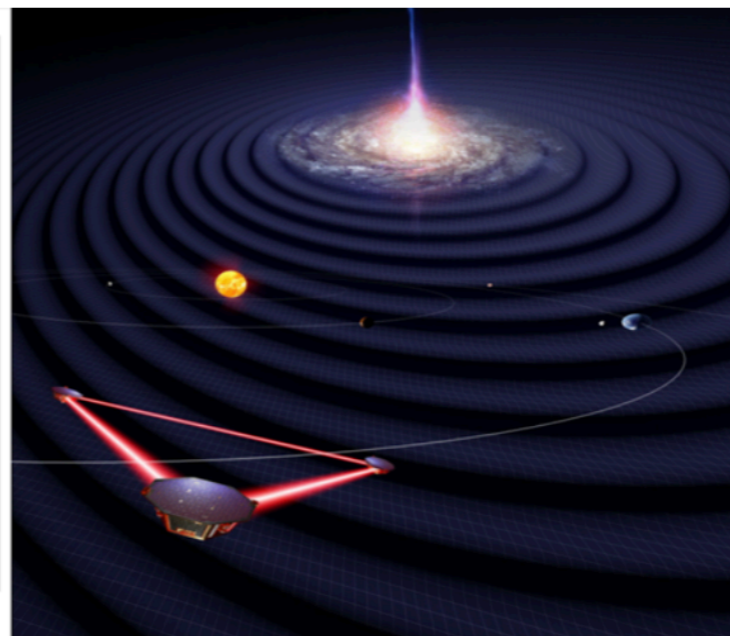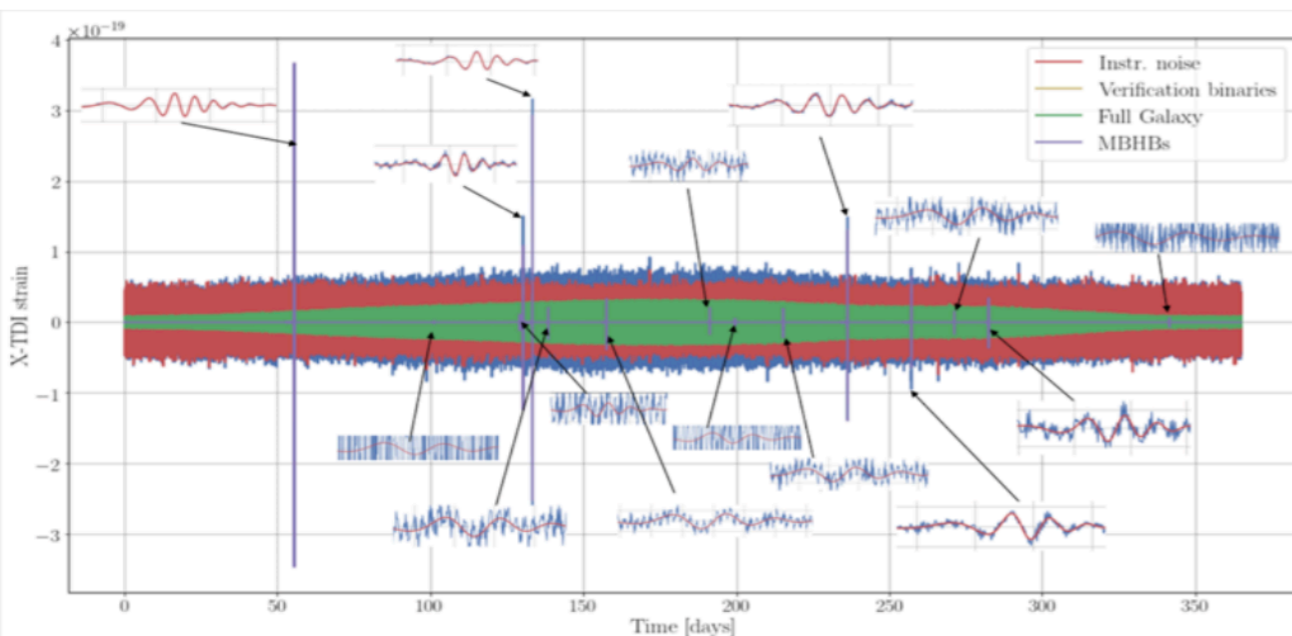# LISA DATA ANALYSIS
From classical methods to machine learning

Final remarks

Nicola Tamanini

Acknowledgements

Acknowledgements

Acknowledgements

Training sessions

Introductory lectures

- **Sylvain Caillou** | L2IT | Introduction to Machine Learning
- **Maude Le Jeune** | APC | Introduction to LISA Data Analysis

Training sessions

- **Joe Bayley + Michael Williams** | Univ. Glasgow |
  GW Detection with Traditional vs Machine Learning Techniques
- **Stephen Green + Natalia Korsakova** | Uni. Nottingham + APC Paris |
  GW Parameter Estimation with Bayesian Machine Learning
- **Micheal Katz + Lorenzo Speri** | AEI Potsdam |
  GPU Techniques to Accelerate GW Waveforms and Data Analysis Computations
- **Stas Babak (based on a tutorial by Christopher Moore)** | APC Paris |
  Gaussian Process Regression

Conference sessions

Invited international speakers

- **Alvin Chua** | Univ. Singapore
- **Nikos Karnesis** | Univ. Thessaloniki
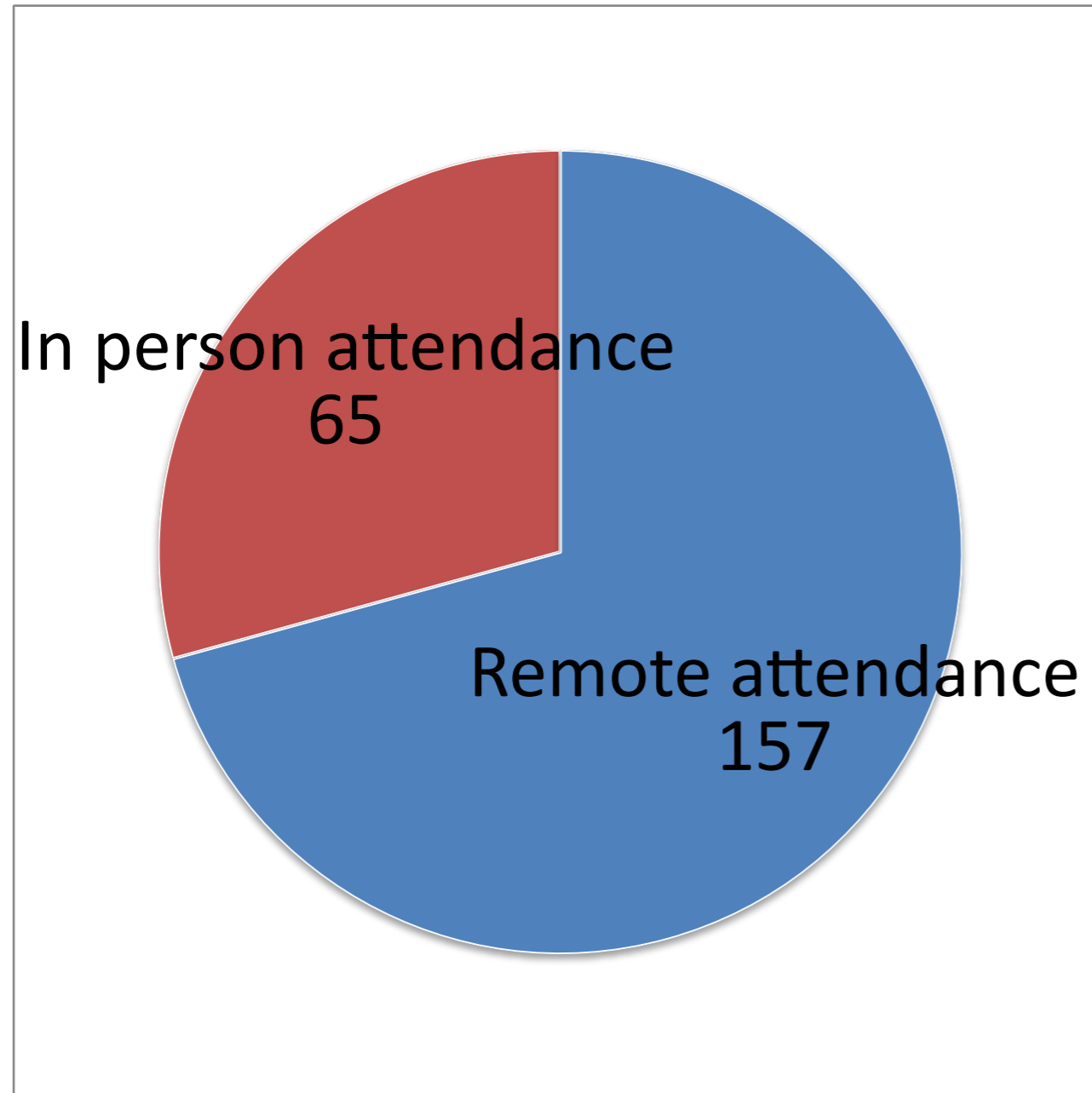- **Kristen Lackeos** | MPIfR Bonn
- **Laura Sberna** | AEI Potsdam

Key national speakers

- **Stas Babak** | APC
- **Quentin Baghi** | CEA
- **Jean-Baptiste Bayle** | Univ. Glasgow
- **Olaf Hartwig** | SYRTE
- **Natalia Korsakova** | APC
- **Sylvain Marsat** | L2IT
- **Hong-Nga Nguyen** | CNES
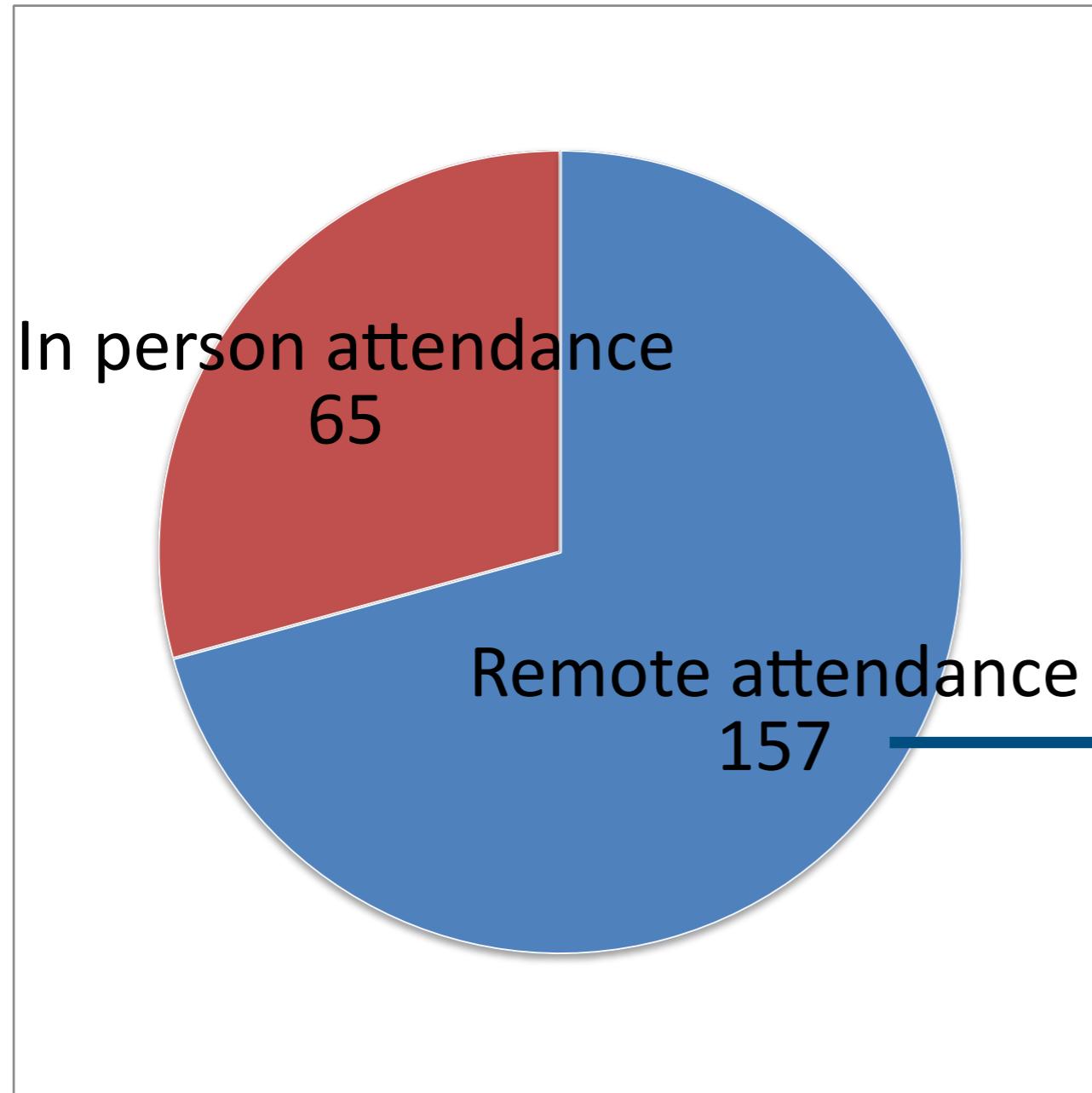- **Antoine Petiteau** | CEA

Acknowledgements

How did we attend the workshop?
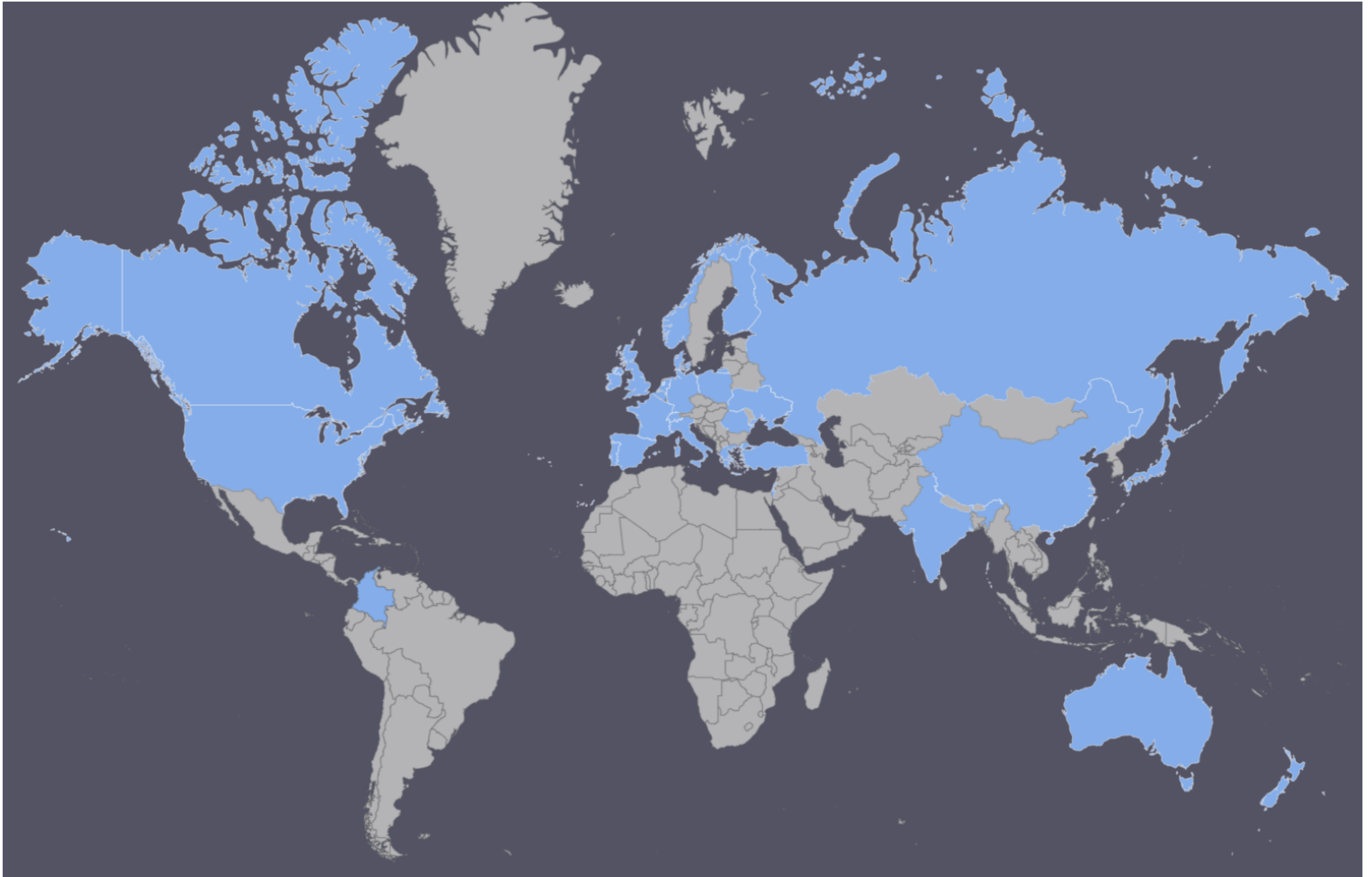

Total participants: 222

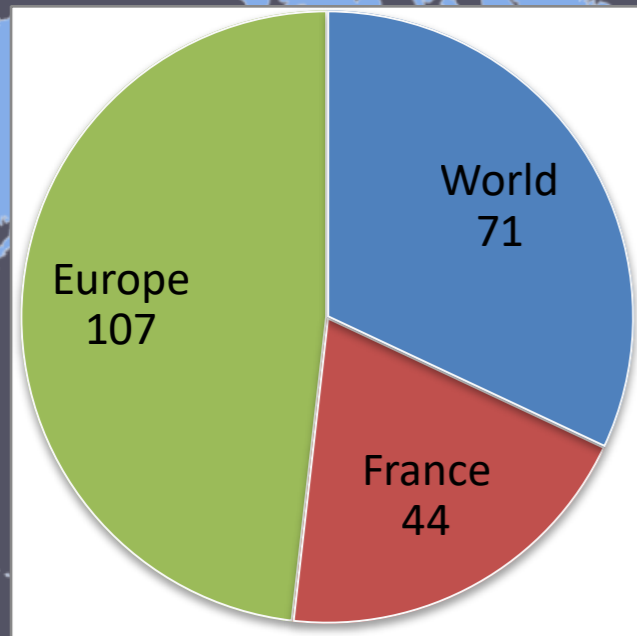# How did we attend the workshop?

Total participants: 222

Higher attendance in the training sessions than the conference part of the workshop
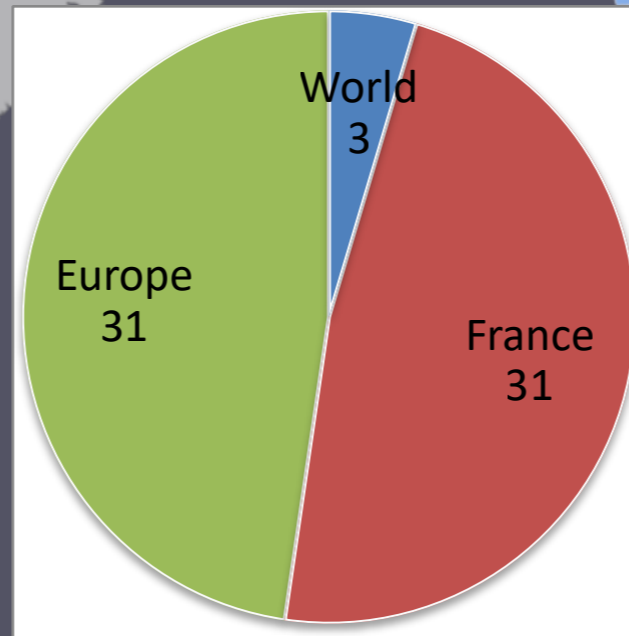
Where do we come from?

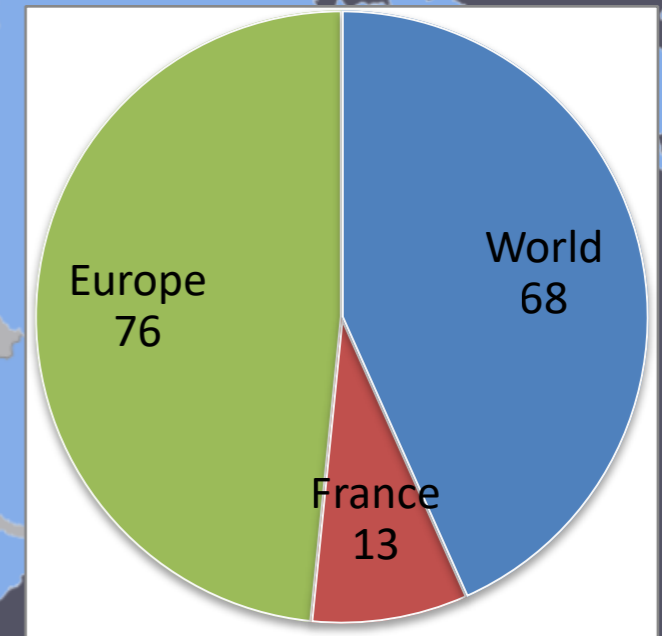# Where do we come from?

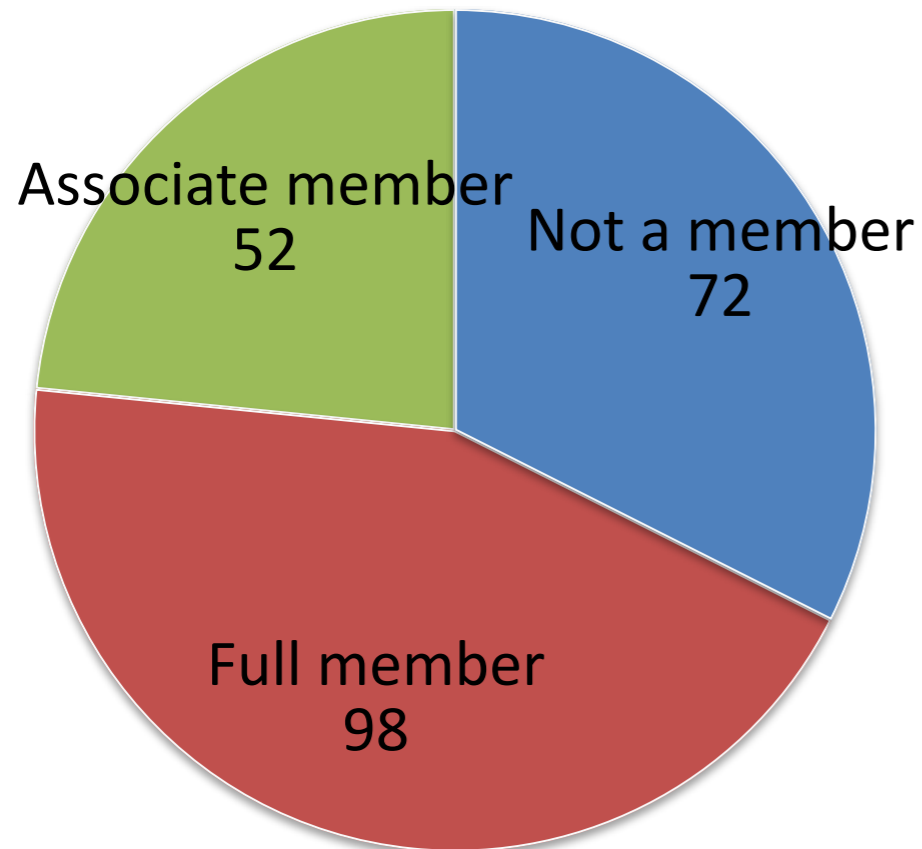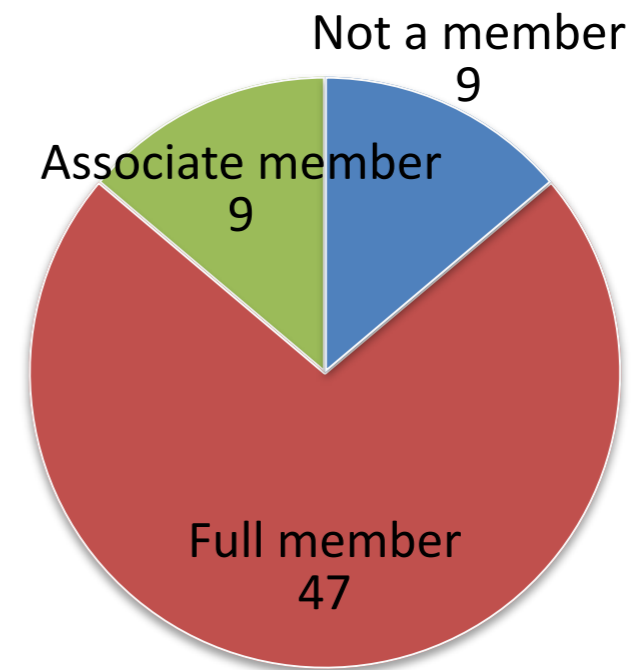Total   In-person   Remote

Total: Europe 107, World 71, France 44

In-person: Europe 31, World 3, France 31
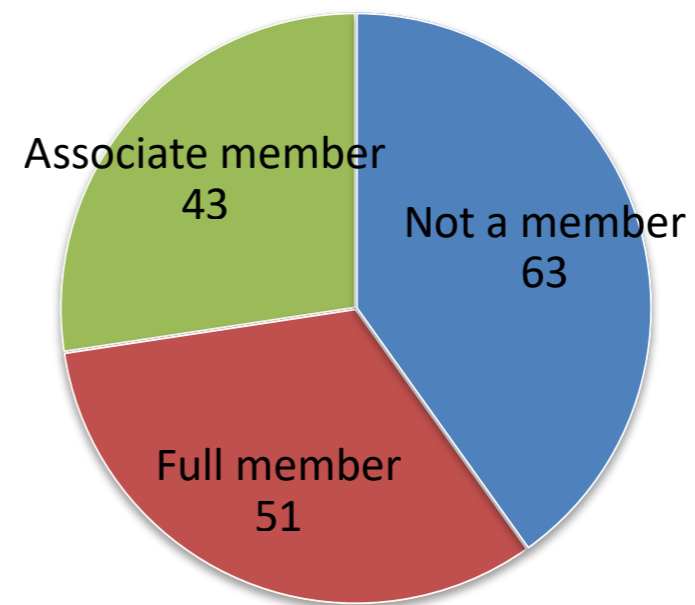
Remote: Europe 76, World 68, France 13

Are we part of the LISA Consortium?

Total

In-person

Remote

What is our job?

Total

Engineer / Technical staff 12
Faculty / Research staff 59
Master / Undergraduate student 30
PhD student 67
Postdoc 54

In-person

Engineer / Technical staff 10
Faculty / Research staff 15
Master / Undergraduate student 1
PhD student 18
Postdoc 21

Remote

Engineer / Technical staff 2
Faculty / Research staff 44
Master / Undergraduate student 29
PhD student 49
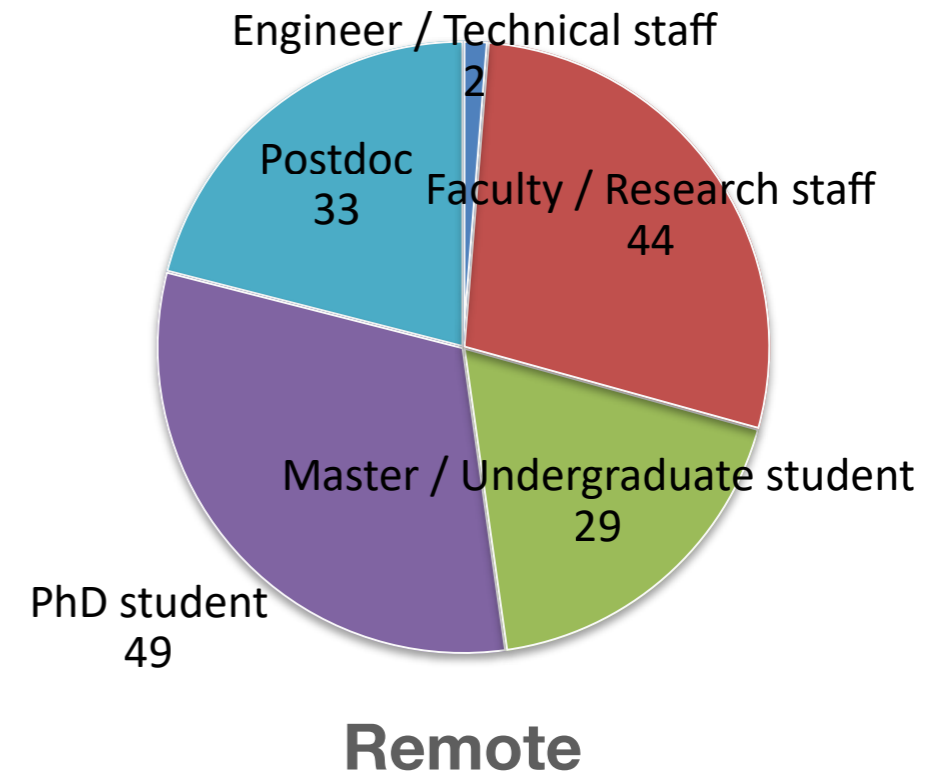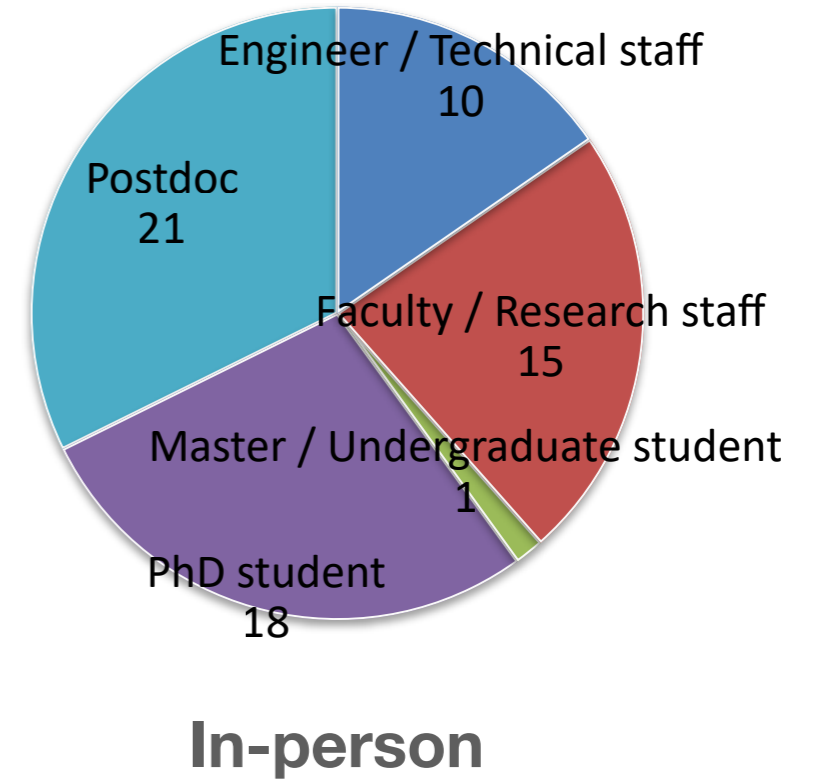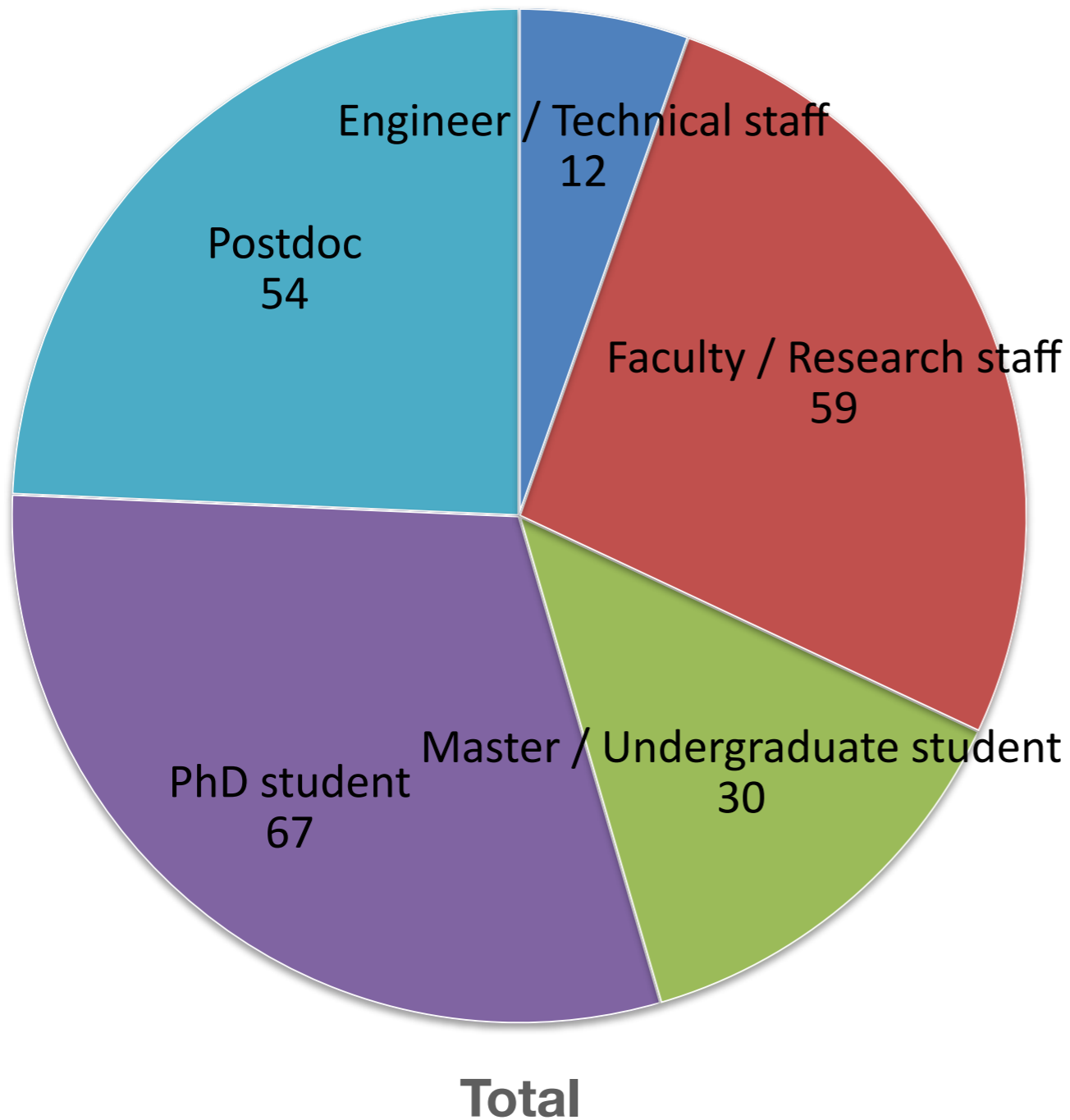Postdoc 33

Feedback

We, the organisers, are very interested in getting your feedback on the workshop

This will help us writing a report that will determine whether we will get fundings for similar and/or follow-up initiatives
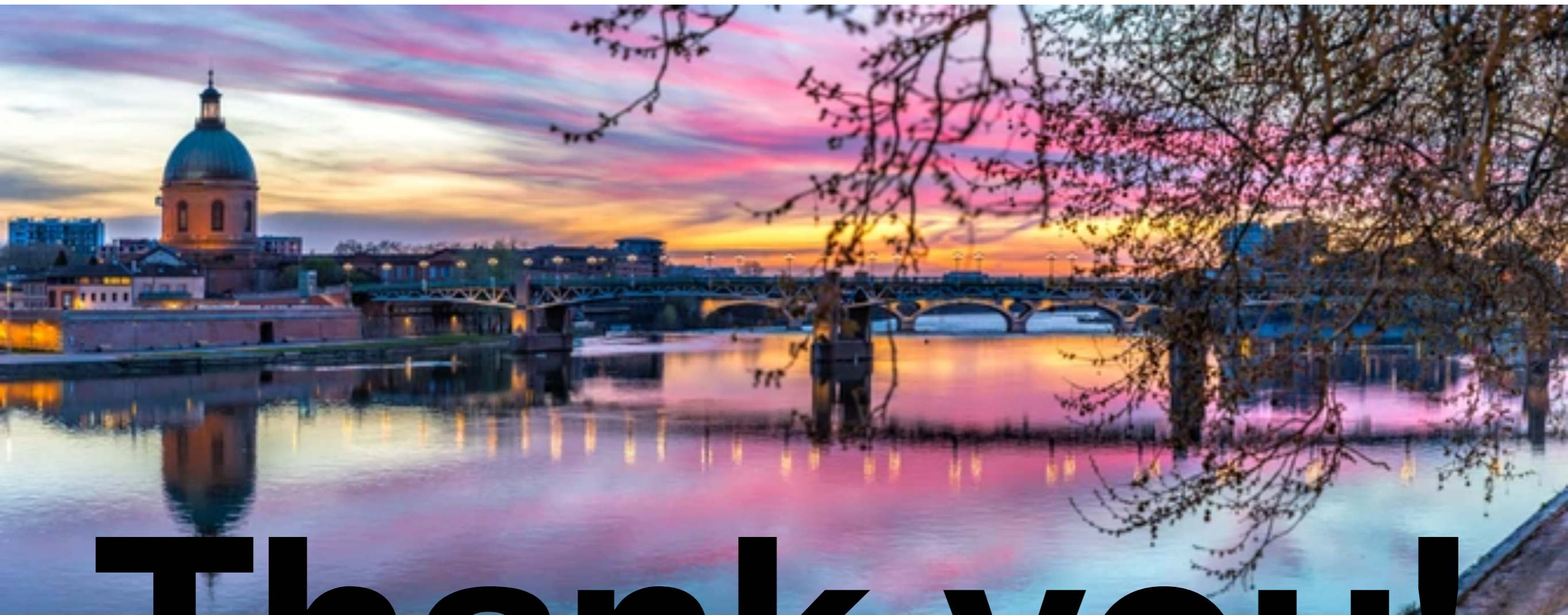
Please help us improving future events and let us know what should we highlight from this workshop

A form to collect anonymous feedback will be circulated to all participants

Feedback

What should we ask in the feedback form?

- Did you like it? What did go well? What did go wrong?

- How can we improve the workshop?

- What other trainings can we offer in the future?

- What other topics related to LISA data analysis could we consider for the future? ML forever?

- Did you learn something from the workshop?

- Did the workshop help you establish new collaborations or reinforcing old ones?

Thank you!

And see you soon!