Working Group meeting on
"Research Infrastructures and heritage science career paths"

Current Topics in Heritage Science: analyzing the HS Academy online lecture series

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- FORMAT & CONTENT OF THE ONLINE LECTURES

- STATISTICS & IMPACT OF THE SERIES

- ANALYSIS OF THE AUDIENCE

HSAcademy
Current topics

GOALS & FORMAT

The "Current Topics in Heritage Science" lecture series provides **non-academic training online on fundamental aspects of heritage science**, such as techniques & methodologies, as well as on specific heritage typologies and other topics of interest to the field

- held **online monthly** (on Zoom webinar platform)

- each lecture lasts about **30 minutes**, followed by Q&A

CONTENT

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▪ **EDITION 1 (COMPLETED)**

10 ONLINE LECTURES (2022-2023) from September 2022 to June 2023

▪ **EDITION 2 (ONGOING)**

9 ONLINE LECTURES (2023-2024) from October 2023 to June 2024

EDITION 1 (10 lectures):

EDITION 1: CURRENT TOPICS KEYWORDS

LECTURE 1	*Painting, model based research, chemistry for conservation*
LECTURE 2	*Holography, physics, non-destructive structural diagnostics*
LECTURE 3	*Chromatography, natural dyes*
LECTURE 4	*Citizen heritage science*
LECTURE 5	*Human evolution, radiocarbon dating*
LECTURE 6	*Synchrotron light*
LECTURE 7	*Proteomics*
LECTURE 8	*X-Ray imaging*
LECTURE 9	*Ethics of sampling*
LECTURE 10	*Digital data and multidisciplinary knowledge*

EDITION 2 (9 lectures):

EDITION 2: CURRENT TOPICS KEYWORDS

LECTURE 1	*Optical Coherence Tomography*
LECTURE 2	*Artificial intelligence methods, cultural property protection*
LECTURE 3	*Paleoanthropology, chronological tools*
LECTURE 4	*Open and FAIR Science, phytoliths*
LECTURE 5	*Portable NMR, structural diagnostics*
LECTURE 6	*Dendrochronology*
LECTURE 7	*Digitalization of built heritage*
LECTURE 8	*Electrochemical techniques, metal corrosion*
LECTURE 9	*Archaeology, human evolution*

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Working Group meeting in Bologna, January 25, 2024

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Current topics

Organized and kicked-off in 2022 by a team of 6 Emerging professionals working on international projects in #heritagescience

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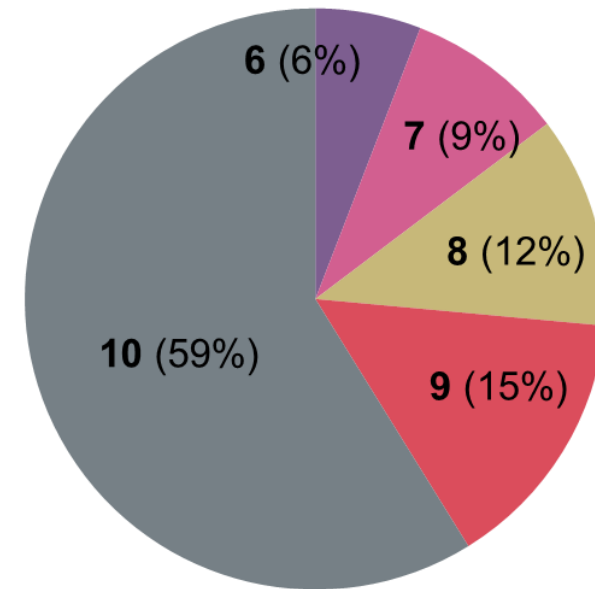
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EDITION 1: STATISTICS

Overall PARTICIPATION

	Average	Lowest	Highest
Participants	**97.7**	63	210
Countries	**34.2**	23	57
Overall satisfaction	**8.9**	8.5	9.1

Participants **total**: 1003

Views **total on Youtube**: 2153 (as of 07/12/2023)

Overall SATISFACTION

- 6 (6%)
- 7 (9%)
- 8 (12%)
- 9 (15%)
- 10 (59%)

(from 1 to 10 max) for **Lecture #3**: **9.1**

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FOCUS ON AUDIENCE

❑ Who are the participants?

Scientific domain, affiliation geography etc

❑ What do they expect from online lectures?

Motivation, topic suggestions etc

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SOURCES of information about the audience:

Registration form

- Number of registered participants;
- Country of affiliation

Zoom report

- Number of live participants

Post-event survey

- Scientific community, satisfaction with the lecture,
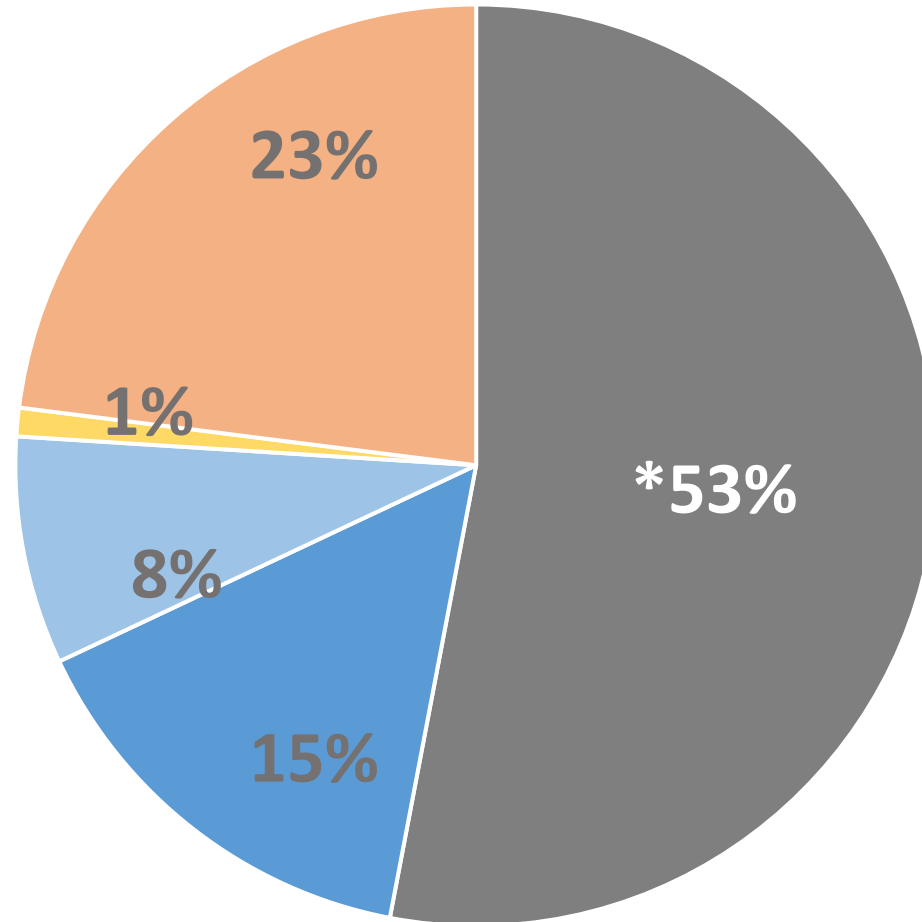- further topics of interest,
- comments and suggestions
- etc.

@ERIHS Youtube channel- Number of post-event views

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Post-event survey Q#1: Which community do you identify yourself with?

FOCUS ON AUDIENCE

- ■ Other
- ■ Archaeology
- ■ Built environment
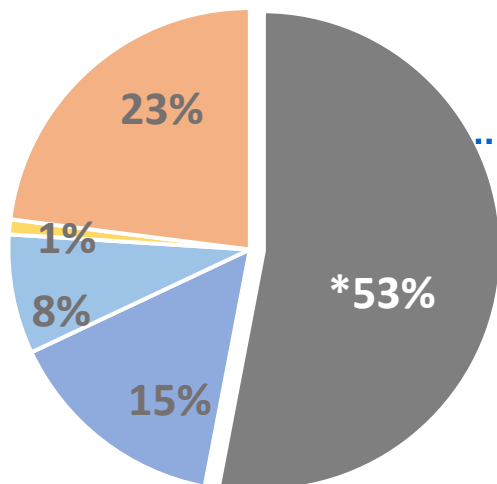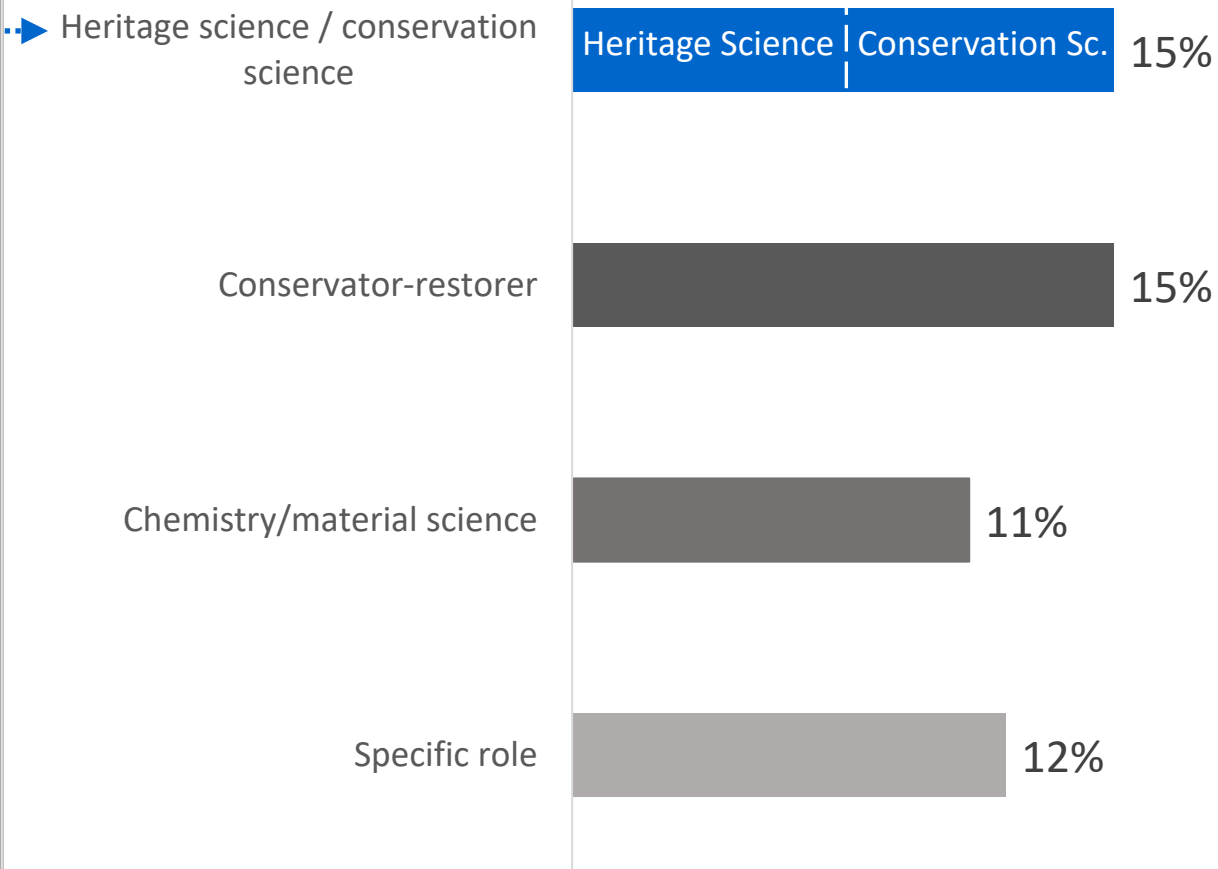- ■ Paleoanthropology and paleontology
- ■ Social sciences and humanities

SCIENTIFIC COMMUNITIES, %

23%

1%

8%

*53%

15%

Source: post-event survey (453 respondents)

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Source: post-event survey (453 respondents)

FOCUS ON AUDIENCE

Q#1: Which community do you identify yourself with?

23%
1%
8%
15%
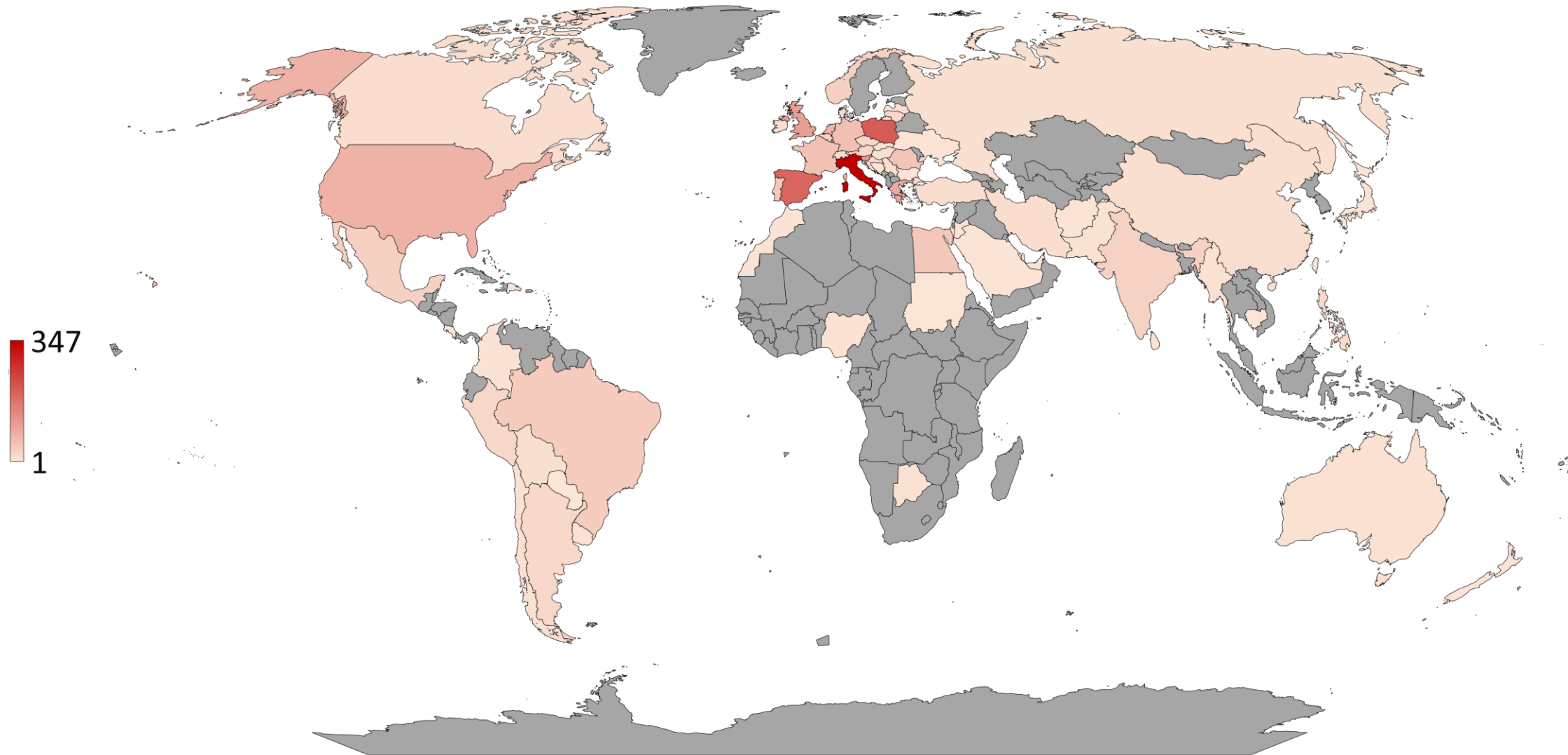***53%**

SCIENTIFIC COMMUNITIES, %
- Other
- Archaeology
- Built environment
- Paleoanthropology and paleontology
- Social sciences and humanities

**BREAKDOWN OF «OTHER»
comments by participants**

Heritage science / conservation science

| Heritage Science | Conservation Sc. | 15% |

Conservator-restorer — 15%

Chemistry/material science — 11%

Specific role — 12%

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GEOGRAPHY (12 lectures 2022-2023) : 2195 REGISTERED PARTICIPANTS FROM **70 COUNTRIES**

Source: registration form

347

1

Average participation rate: 57%

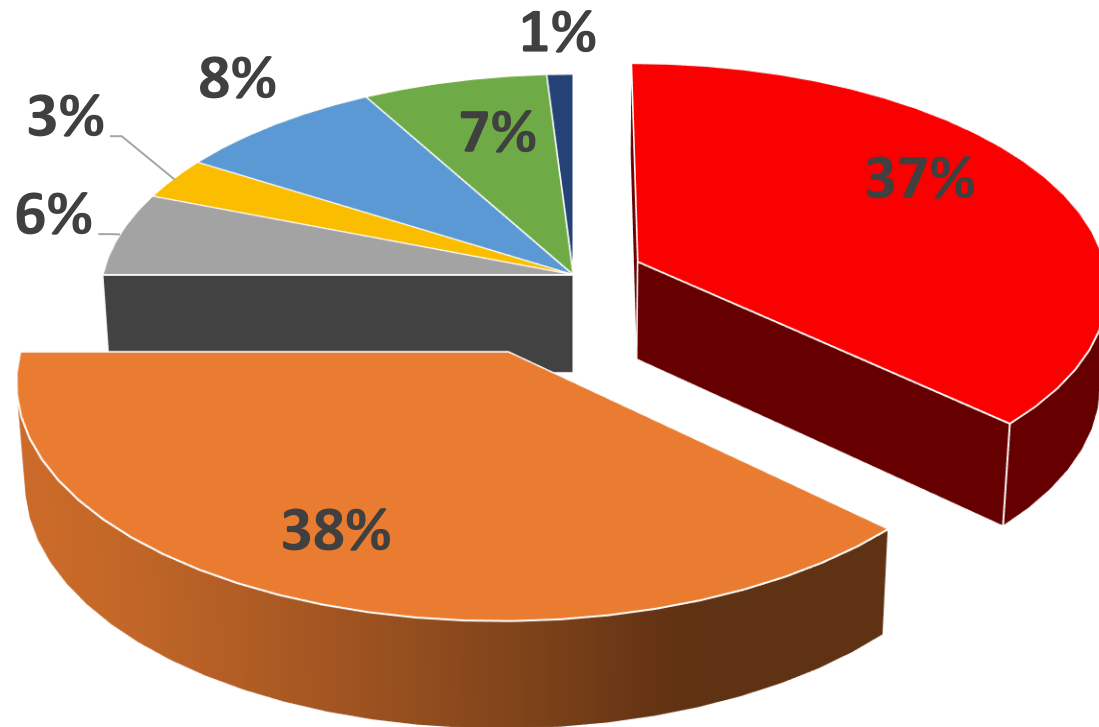# FOCUS ON AUDIENCE

MOST PARTICIPANTS FROM*

Source: registration form
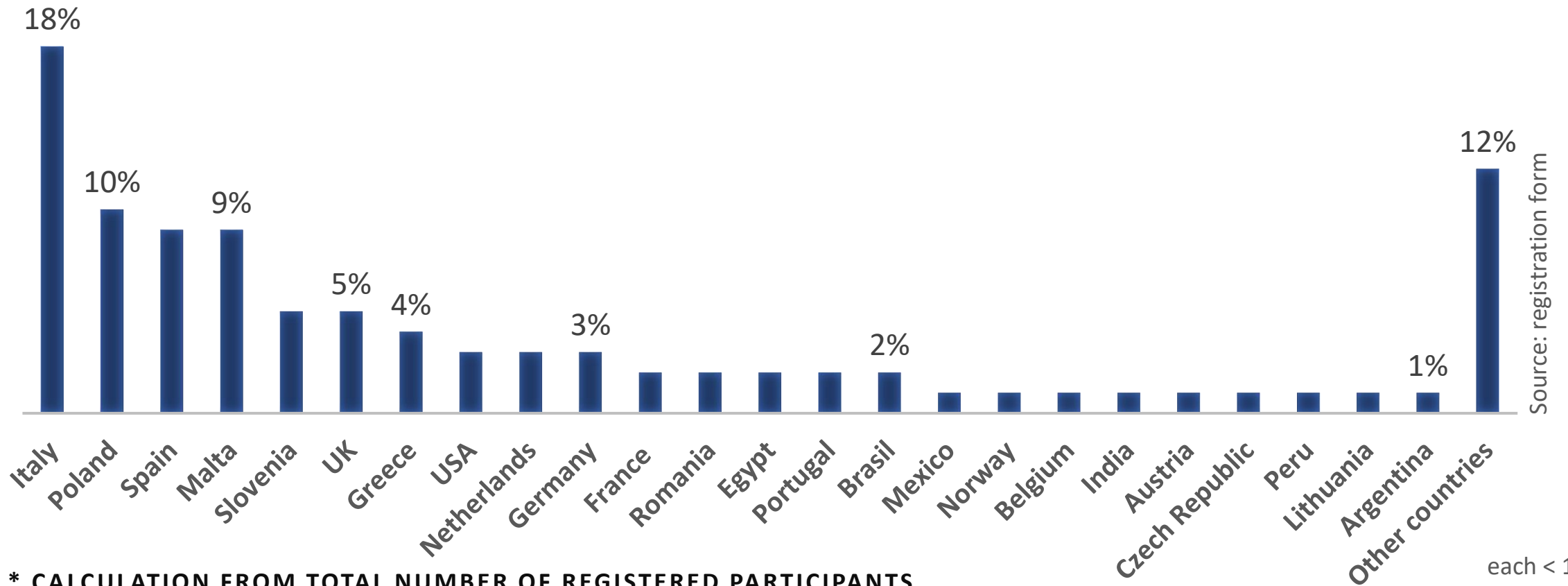
* CALCULATION FROM TOTAL NUMBER OF REGISTERED PARTICIPANTS

each < 1%

FOCUS ON AUDIENCE : topics of interest for next lectures

Source: post-event survey (453 respondents)

■ Scientific methods / characterization / diagnostic techniques
  XRD analysis, imaging, etc

■ Historical/ancient materials and related conservation-restoration methods
  Wood conservation, oil painting, etc,

■ Novel materials / contemporary art
  Street art, plastics, etc

■ data management and research communication
  Open Science, repositories, etc

■ museology, fine arts
  Museum studies

■ climate, prevention and green treatments
  Climate change, sustainability

■ archaeology /zooarcheology / biology

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FOCUS ON AUDIENCE

Q4 Any further comments?

- *I really appreciated the lectures being at a <u>time</u> that I could join easily (based in the US). Thank you for taking that into consideration (lecture 1)*

- *Thank you for sharing your <u>knowledge in Heritage Science</u> with us! (lecture 1)*

- *Excellent general overview with a great, <u>very experienced speaker</u>. I've been working in the field for a long while now, so some of the material was basic for me, but some of the case studies were new, which I really enjoyed. Really well done, and <u>a good use of an hour of my time</u> (lecture 8)*

- *Keep up the great work! (most of the lectures)*

- *Thank you for the <u>great opportunity</u> to follow these talks online (lecture 9)*

Source: post-event survey

FUTURE PERSPECTIVES

- Creation of attractive content based also on the **suggestions by the participants and advancements in heritage science**, in order to maintain the KPIs at high level, e.g. average number of 100 participants or more; and the satisfaction rate above 8,5 (1-10 scale);

- FAIRification of training materials;

- Creation of a dedicated portal for training resources