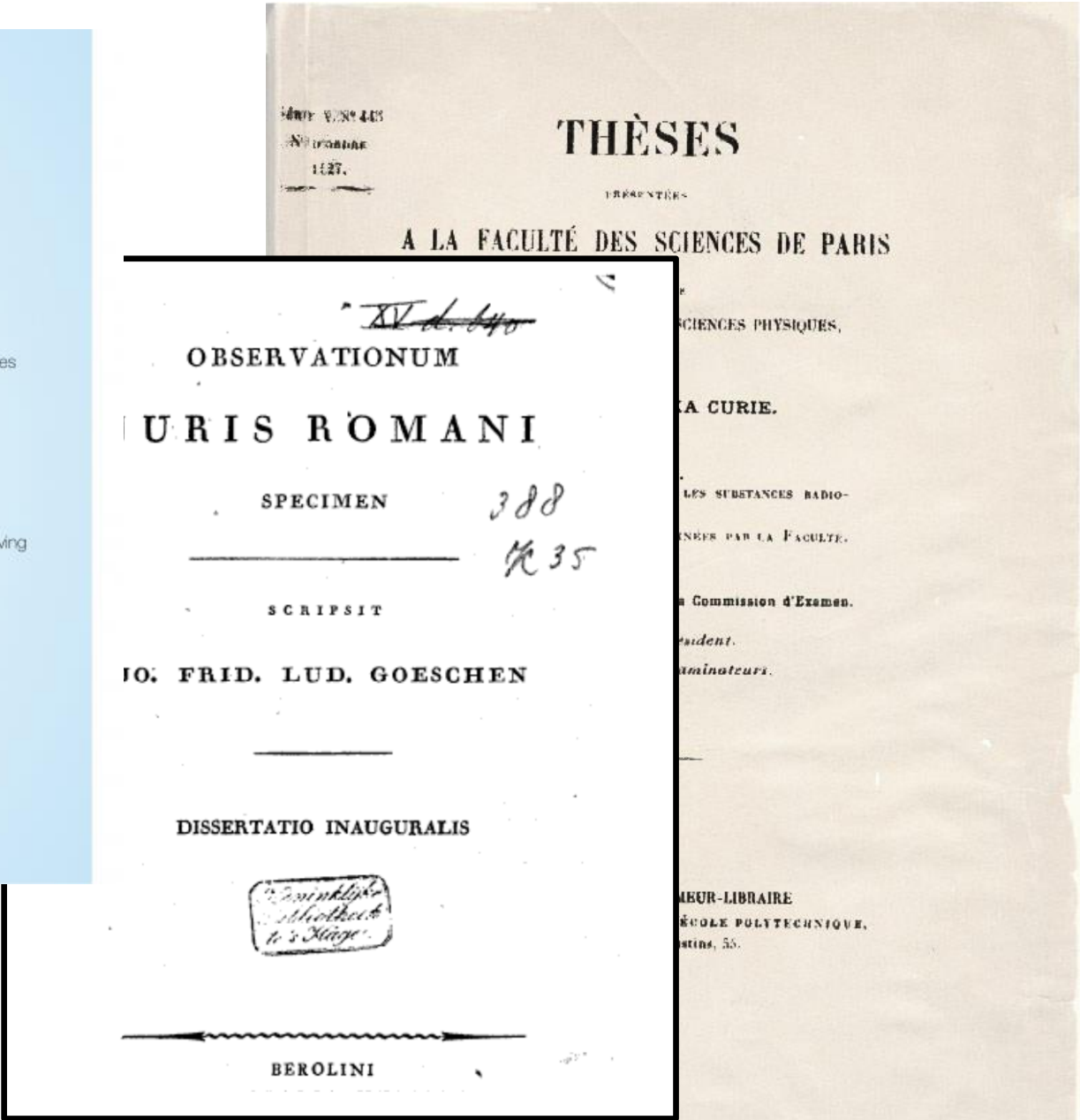
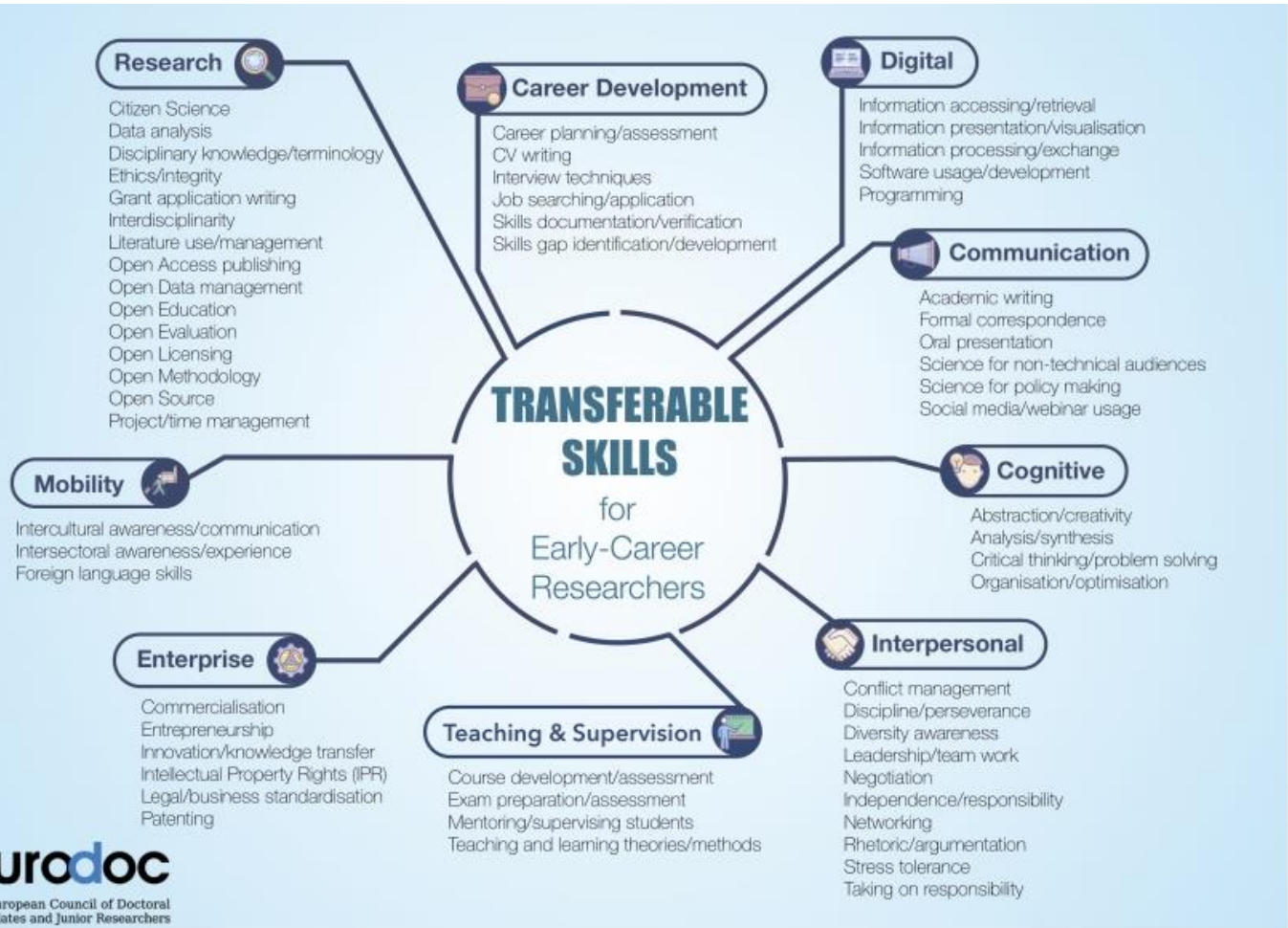


Current trends and future directions for doctoral education in Europe

Dr Alexander Hasgall

From the middle ages to the
modern knowledge society





BOLOGNA SEMINAR
DOCTORAL PROGRAMMES FOR THE EUROPEAN KNOWLEDGE SOCIETY
Salzburg, 3-5 February 2005

**SALZBURG II
RECOMMENDATIONS**

EUROPEAN UNIVERSITIES' ACHIEVEMENTS
SINCE 2005 IN IMPLEMENTING
THE SALZBURG PRINCIPLES

**DOCTORAL EDUCATION –
TAKING SALZBURG FORWARD**

**IMPLEMENTATION
AND NEW CHALLENGES**

euacde COUNCIL
FOR DOCTORAL
EDUCATION

Building the Foundations of Research
**A Vision for the Future of Doctoral
Education in Europe**

June 2022

Salzburg Principles

The core component of doctoral training is the advancement of knowledge through original research.

Embedding in institutional strategies and policies

The importance of diversity

Doctoral candidates as early stage researchers

The crucial role of supervision and assessment

Achieving critical mass

Duration

The promotion of innovative structures

Increasing mobility

Ensuring appropriate funding

Diversity of doctoral education in Europe

Diversity of doctoral education

Varying funding models, legal frameworks, statuses, definitions, and doctorate durations across institutions and countries.

Beyond “pure” research, doctoral candidates/ PhD students engage in tasks like proposal writing, teaching, data management, scientific publishing, collaborations, and science communication.

Institutions offer multiple (transversal) skills training programs to enhance doctoral candidates' capabilities.

Diversity of doctoral education

Diverse Doctoral Education Practices include traditional doctorates (still the overwhelming majority) professional doctorates, arts-based doctorates with diverse outcomes (e.g., books, journal articles, artefacts).

Centralization and structuring of doctoral studies, increasing role of schools and formal programs while maintaining diversity and fit for purpose approach

There are two outcomes of the doctorate: Doctoral work and doctoral researcher!

Structural diversity of doctoral education

International
doctoral
programmes

National
doctoral school

Institution wide
doctoral school

Doctoral
programme on
faculty level

Interdisciplinary
doctoral
schools

Disciplinary
doctoral
programmes

Themes or
challenges

Strategic priorities of doctoral education in Europe

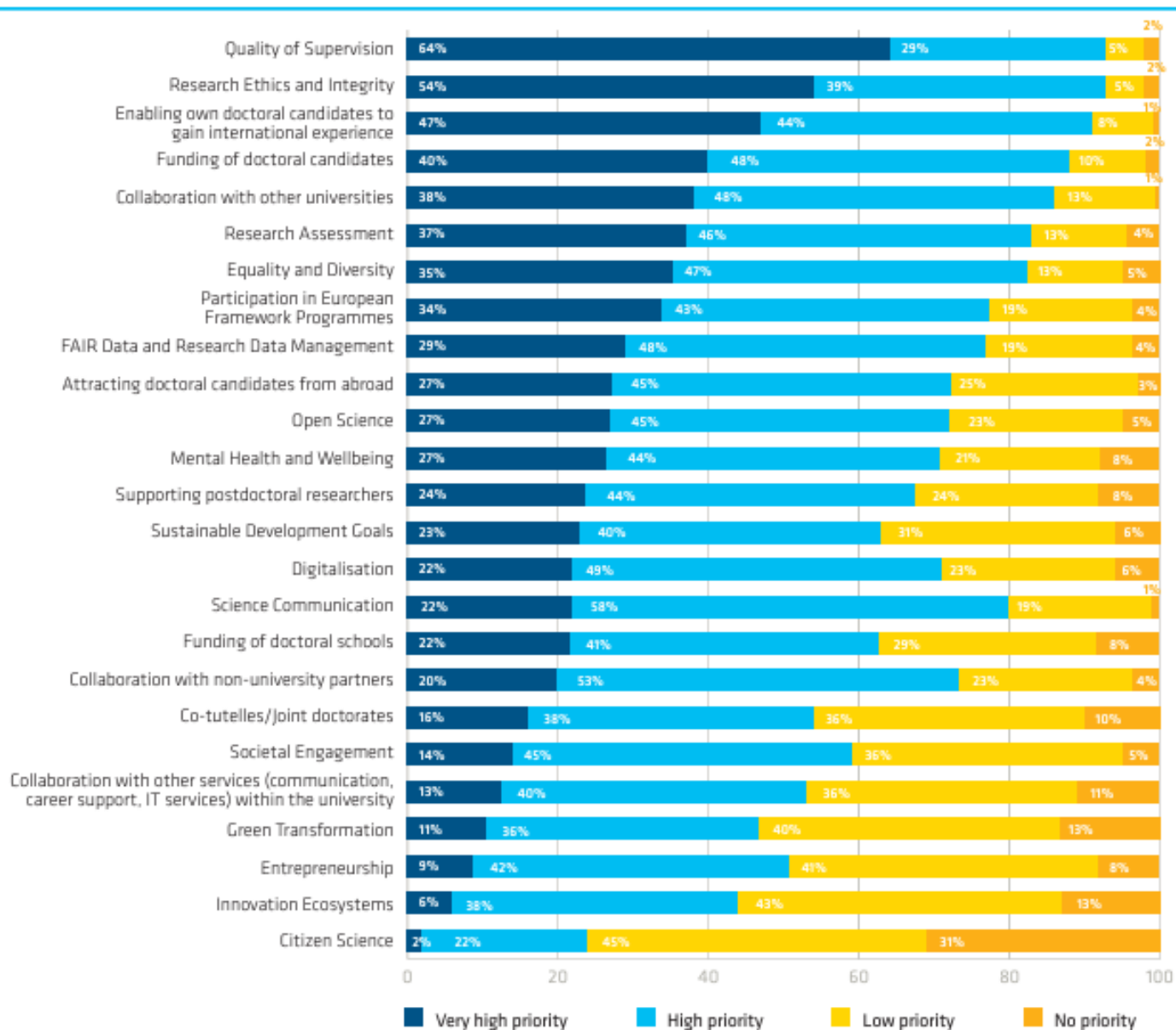
Strategic priorities

(Source: EUA-CDE 2021 survey)

Figure 12: Institutional priorities

Which of the following topics are a priority in the area of doctoral education at your institution?

Number of respondents: 134-137/138



Strategic priorities

(Source: EUA-CDE 2021 survey)

Figure 13: Top priorities

Please identify which of the following topics you consider most important for doctoral education at your institution. Please indicate max. 3-4.

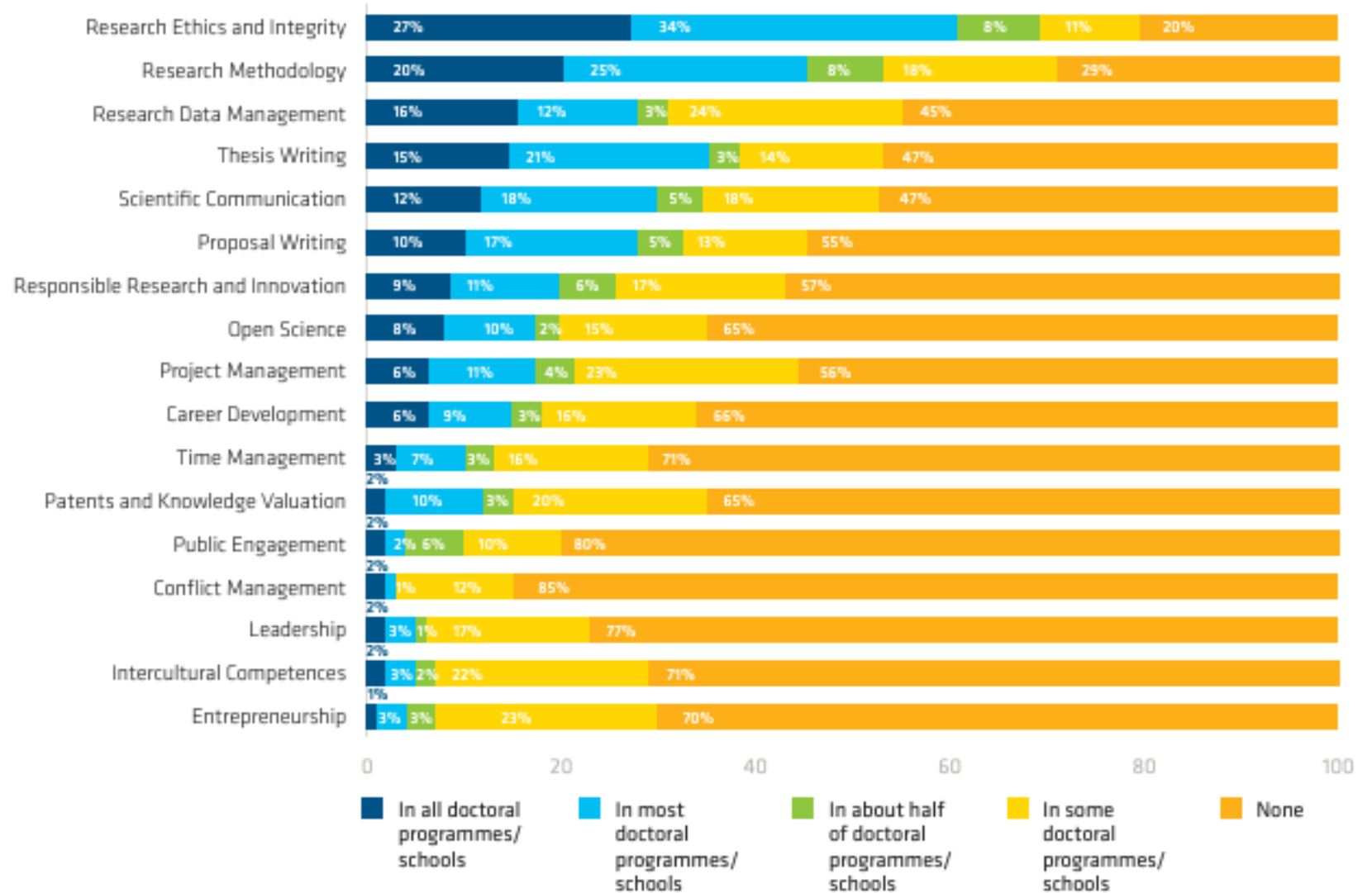


Mandatory transversal skills training

Figure 5: Mandatory transversal skills training

What type of mandatory transversal skills training is offered to doctoral candidates at your institution?

Number of respondents: 124-133/138



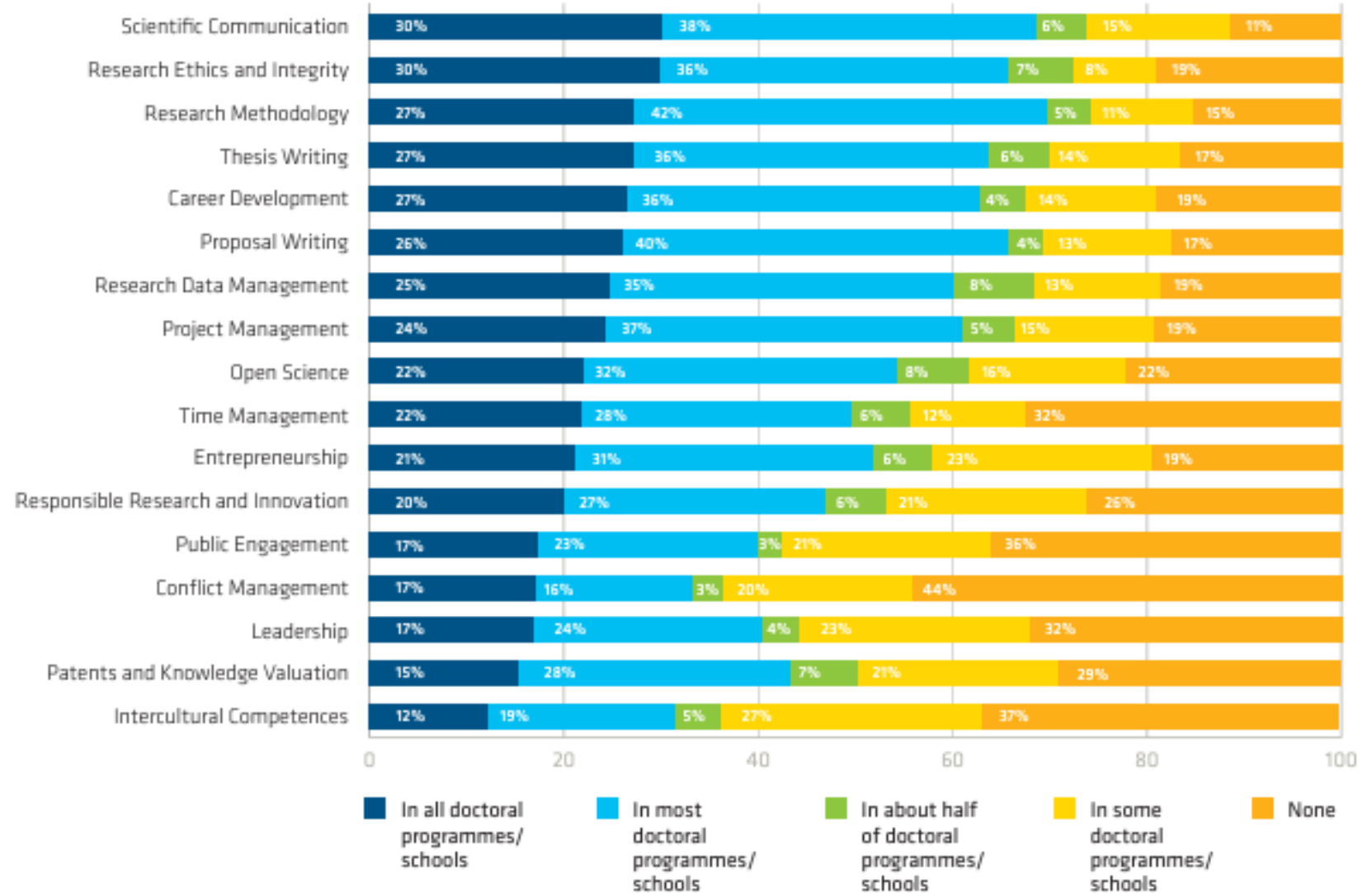
(Source: EUA-CDE 2021 survey)

Optional transversal skills training

Figure 6: Optional transversal skills training

What type of optional transversal skills training is offered to doctoral candidates at your institution?

Number of respondents: 127-133/138



(Source: EUA-CDE 2021 survey)

The future of doctoral education in Europe

Building the Foundations of Research
**A Vision for the Future of Doctoral
Education in Europe**

June 2022

Building the Foundation of Research

**The 2022 EUA-CDE
Vision paper**



“

1 Doctoral schools serve as a place where the **opportunities and challenges of new digital technologies** are embraced in the pursuit of research goals and in their own enabling frameworks.

”

“

2 Universities should embrace the **Sustainable Development Goals** as a holistic framework providing a context for and supporting the delivery of doctoral education

”

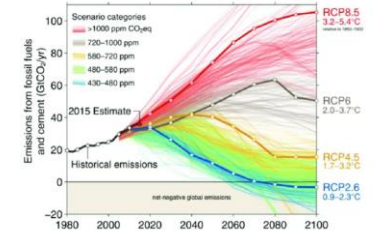


“

3 Even when not connected to a specific mission, research and education at doctoral level contributes to the **resolution of the environmental, demographic, socio-economic, and political challenges** that Europe and the world are facing.

The path to resolving these challenges may lie in addressing fundamental research questions where the application is not evident at the time.

”





“ 4 A diverse doctoral education must be sensitive to the different backgrounds that doctoral candidates bring with them. Doctoral education should encourage reflection on and the overcoming of any social, economic or cultural barriers. It should foster a diversity that goes hand in hand with excellence and a shared understanding of research quality ”

“ 5 Doctoral education should promote a **dialogue about the different dimensions of academic freedoms** and raise awareness about where any are at risk. It should create an open space for critical debate and the exchange of opposite views, while defending the rights of doctoral candidates to engage in these activities.

”



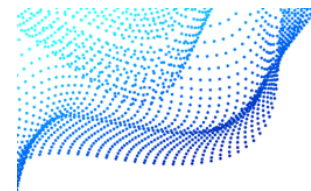


“

6 Doctoral education needs to embrace the **variety of formats** which have emerged to meet specific needs but at the same time to ensure that the **core principles, including the importance of conducting original research, remain integral to all of these**. Structured approaches should be used as a means of ensuring that the voice of doctoral education is properly embedded in university structures.

”

“ 7 A **fit-for-purpose quality assurance system** is **essential** but the overarching goal is the quality of research, not the use of a particular tool. The focus should go beyond administrative processes to also value the education and research content. That should include an understanding of core skills and values such as research ethics and integrity and the adoption of a **critical approach to research assessment not confined to publication metrics.** ”



CoARA
Coalition for Advancing
Research Assessment

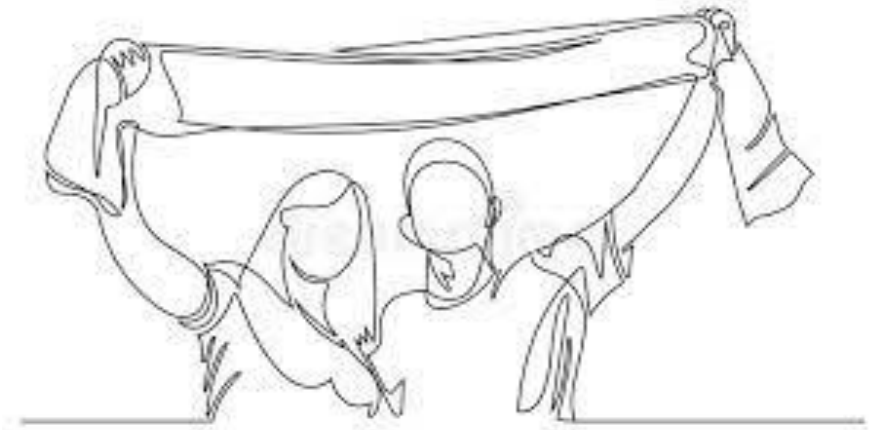




“ 8. Doctoral candidates must be **equipped with the knowledge and skills to meet the modern demands of research** and pursue their chosen career paths. At the same time, they need to **map, visualise and verbalise their skills and communicate those capabilities to others.** Doctoral education should develop both tacit and explicit skills. Transversal skills should not be seen as an add-on but as a key element of the doctorate, maintaining the essential role of original research as the key feature of doctoral education



“ 9. Supervision is crucial. Its form adapts to the needs and resources of an institution. Universities should invest in the **training of supervisors**, enabling them to embrace their roles fully and ensure that the doctoral school or environment plays its appropriate supportive role ”





“ 10 The level of **living support for doctoral candidates needs to take into consideration the relative attractiveness of the careers** and the incomes of early-career knowledge workers in other sectors. This means that that the work of doctoral candidates should be appropriately rewarded. **Duration of funding should be based on a realistic assumption of the duration of a doctorate. An increase in salaries or duration of the doctorate should not, however, be at the expense of the availability of doctoral positions.** The increased need to tackle societal challenges with high-quality research demands the availability of such positions, but this should not lead to a reduction in other university services.



**Thank you for your
attention**

