




On the Current and Future Uses of Quantitative Scientometric Indicators (QSI) in Swiss Higher Education Institutions

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Overview

The **NAIF** (National Approach for Interoperable repositories and Findable research results) project aims to increase the visibility and findability of Swiss research output.[@naif]

-  **DORA** — Declaration on Research Assessment[@dora]
-  **CoARA** — Coalition for Advancing Research Assessment[@coara]
-  **Leiden Manifesto** — Best practices for research metrics[@leiden]

Track 1 focuses on the **responsible use of quantitative indicators** for research assessment, aligned with:

This poster presents results from a **workshop with 27 stakeholders** from Swiss Higher Education Institutions, including **Ginny Barbour** (DORA Co-Chair), and a **survey of swissuniversities member libraries**.

Methods





Workshop Design

- **Participants:** 27 stakeholders from Swiss HEIs, policy makers, and international experts
- **Focus:** Four key questions on QSI implementation and responsible use
- **Case Study:** ETH Zurich's approach to research monitoring

Survey

- **Target:** swissuniversities member libraries
- **Scope:** Current practices, tool importance, and future needs

Key Findings at a Glance

Aspect	Current State
 Framework Adoption	Growing alignment with DORA, CoARA, Leiden
 Implementation	Struggles translating declarations into practice
 Assessment Level	Organizational monitoring preferred over individual
 Data Quality	Critical prerequisite for meaningful metrics

Acknowledgments

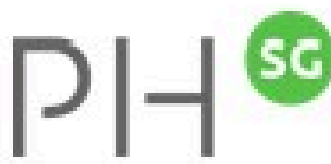
We thank all workshop participants, Ginny Barbour (DORA Co-Chair), and the swissuniversities member libraries for their valuable contributions.

Contact


NAIF Track 1: Responsible use of quantitative indicators


 <eth-library.github.io/naif>


Partner Institutions




? Q1: How firmly is QSI embedded?

 **Adoption:** Significant momentum to align with DORA, CoARA, Leiden Manifesto





 **Challenge:** Struggle to translate declarations into appropriate QSI practices

 **Core Values:** Indicators must be transparent, contextual, and fair — complement, not replace, expert judgment


? Q2: Where are QSI currently used?


 **Organizational over Individual:** QSI favored for university/departmental monitoring, *not* individual researcher output (ETH Zurich case study)

 **Use Cases:**

-  Research Profiles — Topics & evolution over time
-  Impact Analysis — Citations by discipline/country
-  Network Analysis — Collaboration patterns
-  Strategic Initiatives — OA shares, funding sources

? Q3: How important are QSI tools?





 **Data Quality First:** Metrics often flawed or misapplied — requires multiple sources and rigorous cleaning

 **Context-Based:** Tools only useful when context-based — first understand how users engage, then define QSI

 **Collaboration:** Data specialists + subject experts working together

? Q4: Future of responsible QSI?

Four Pillars

	Pillar
	Expert Collaboration — Data + subject + methodology specialists
	Dialogue-Based — Clarify purpose and limitations upfront
	Context-First — Build use cases, then define QSI
	Holistic Scope — Beyond citations: ORD, Open Science, media

Conclusion & Key Takeaways

The NAIF project will develop **guidelines** for Swiss HEIs applying transparent, context-specific research assessment aligned with international best practices.

#	Takeaway
1	Start with context , not indicators
2	Organizational monitoring over individual assessment
3	Data quality is non-negotiable
4	Multi-stakeholder dialogue drives implementation