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Swiss Academy of Sciences
Akademie der Naturwissenschaften
Accademia di scienze naturali
Académie des sciences naturelles

Issues highlighted @ «We Scientists Shape Science»

Dr Roger Pfister

Workshops



Time for Research



Space for Creativity



Scientific Career



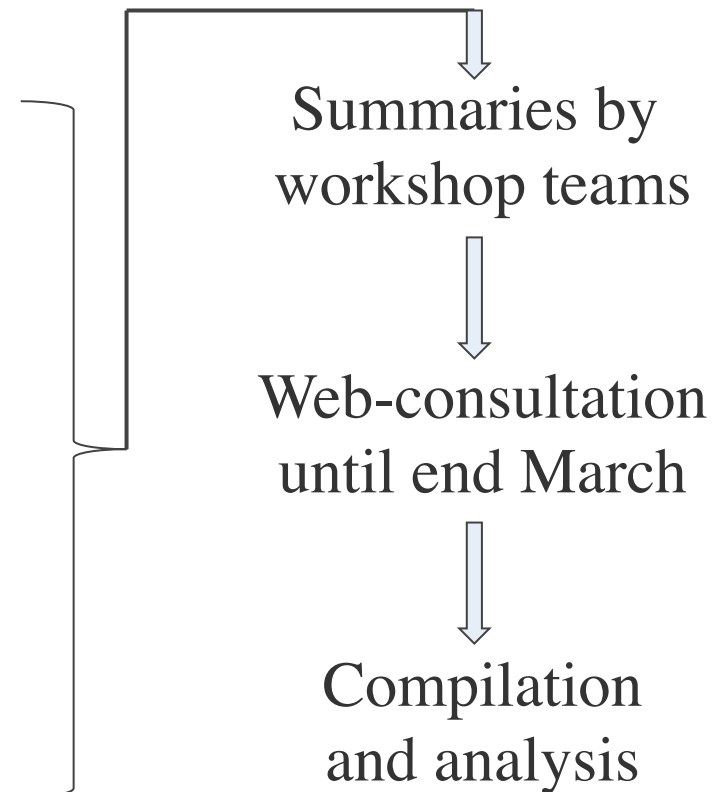
Scientific Practice



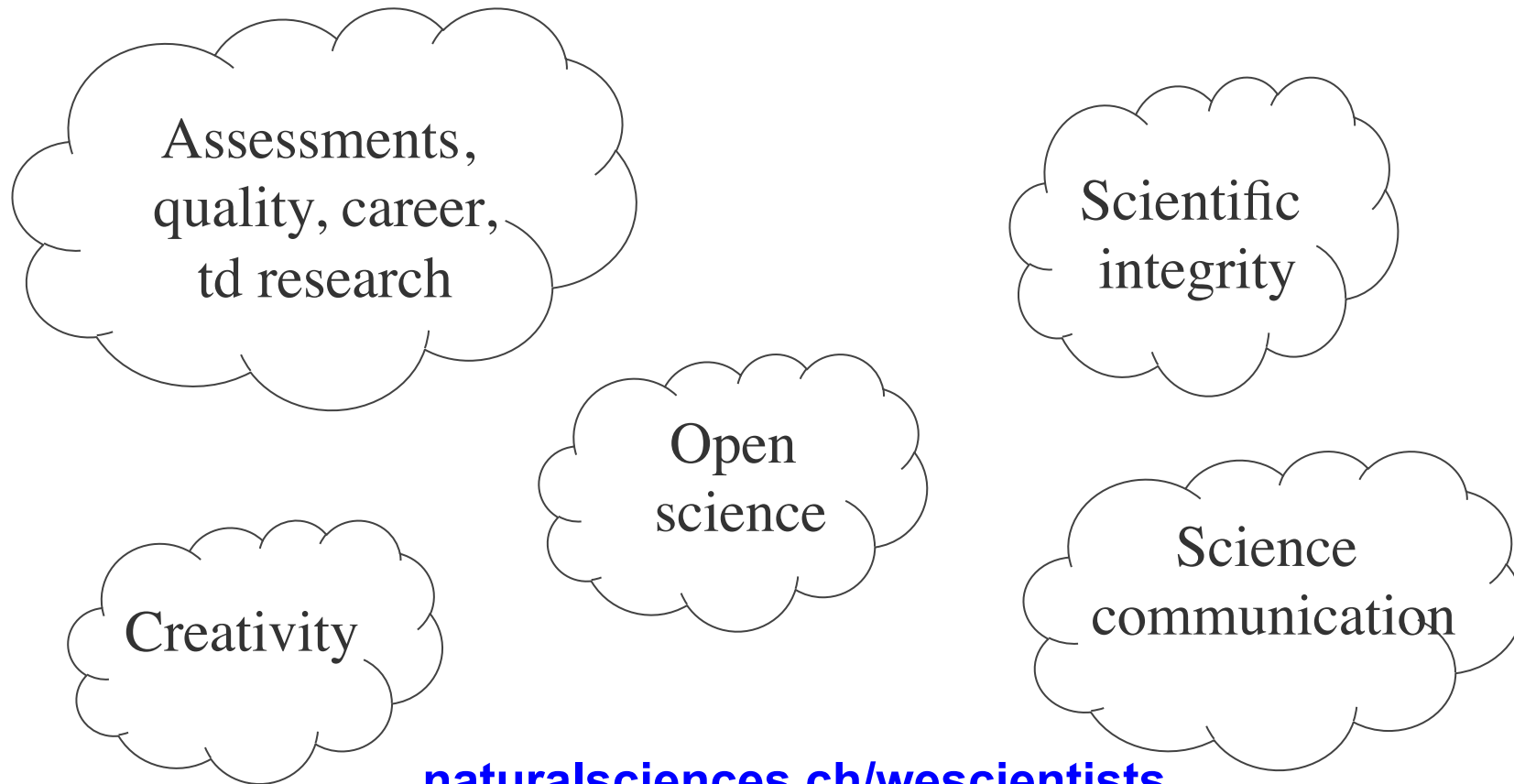
Open Science



Science in Society



Findings: 5 clusters



naturalsciences.ch/wescientists

Cluster 1: Assessments, quality, career, transdisciplinary research

- Focus on quality, beyond impact factor and h-index
- Live DORA
- Hire scientists that step out-of-the-box

Cluster 2: Scientific integrity

- Mentor young scientists
- Improve peer review process
- Consider irreproducibility as an option
- Reproduce experiments by Master/PhD students

Cluster 3: Open science

- General: train actors to fully exploit opportunities
- Open Access
 - make all elements (only few exceptions) accessible
 - publish more in OA journals
- Open Data
 - publication of data is mandatory and rewarded

Cluster 4: Science communication

- Communicate issues of societal relevance
- Train early career scientists as knowledge brokers

Cluster 5: Creativity

- Mentor and train early career scientists as independent thinkers
- Teach students across disciplines

Follow-up: early pointers

- Develop mentorship packages for early career scientists (scientific integrity, science communication, creativity)
- Promote “European Code of Conduct for RI” (scientific integrity)
- Raise awareness about use and limitations of scientometrics (quality, assessments)
- Review hiring processes for faculty staff (career)
- Look into reproducibility (scientific integrity)
- Produce factsheet on Open Access and Open Data (open science)
- Facilitate creation of community of scientists (science communication)