



Open Science

Public consultation on

'Science 2.0: Science in Transition'

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Definition of Open Science

- A systemic change in the modus operandi of science and research
- Affecting the whole research cycle and its stakeholders

Key drivers of Open Science

- Availability of digital technologies allowing e.g. for data-intensive research
- Increase of the global scientific population
- Public demand for better and more efficient science
- Demand for accountable, responsive and transparent science
- Need to address faster societal challenges
- Need to contribute to economic growth



Open Science: key areas

- Open access to research publications and data
- e-Infrastructure for open science, including the establishment of a European Open Science Cloud (DSM Strategy)
- Citizens as scientists
- Outputs of science as a driver for growth and innovation
- Alternative ways to determine quality and output of Science



Purpose of the consultation

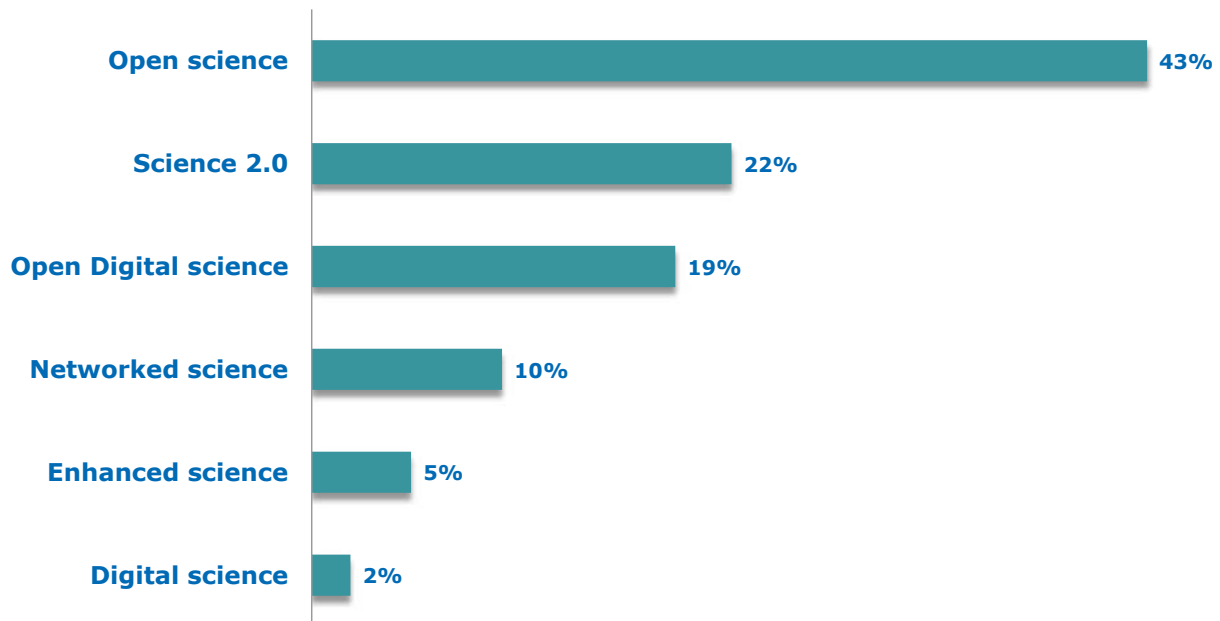
- **Assess the degree of awareness** amongst the stakeholders of the changing modus operandi
- Assess the perception of the **opportunities and challenges**
- **Identify possible policy implications** and actions to strengthen the competitiveness of the European science and research system

Numbers:

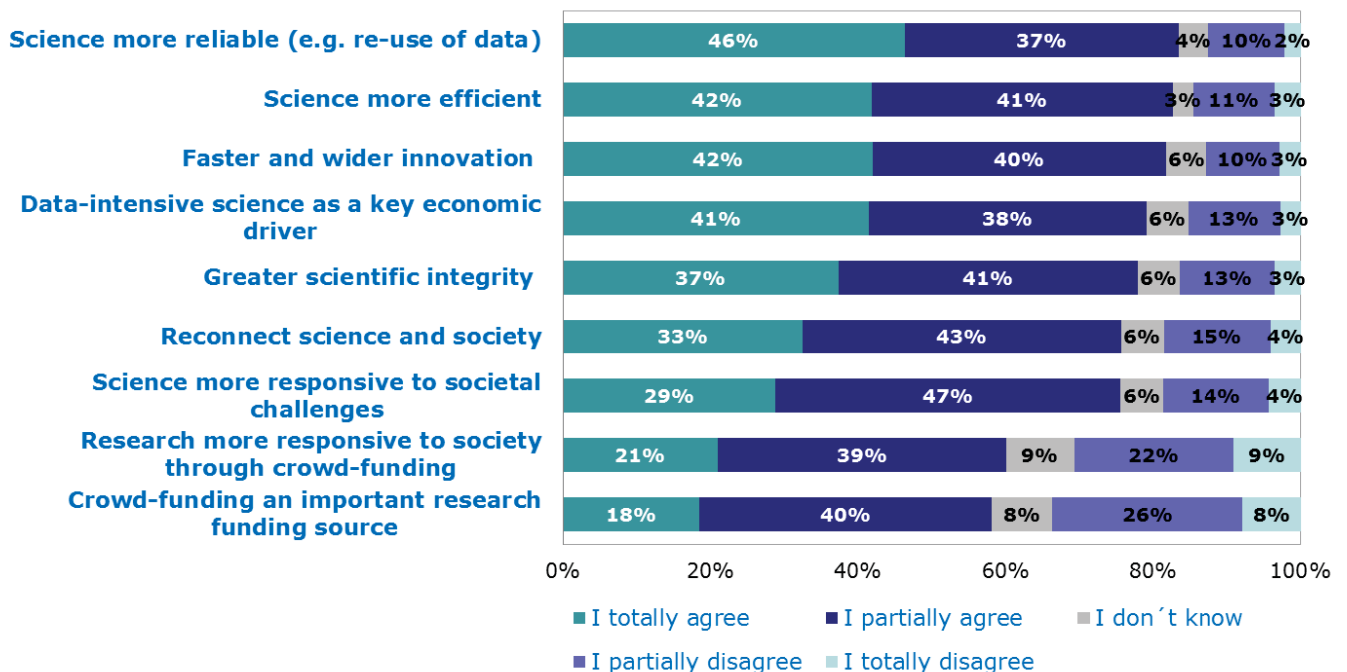
- 498 submitted responses of which 164 Organisations and 38 Public Authorities
- 28 position papers voluntary submitted in addition to questionnaire

Outcome

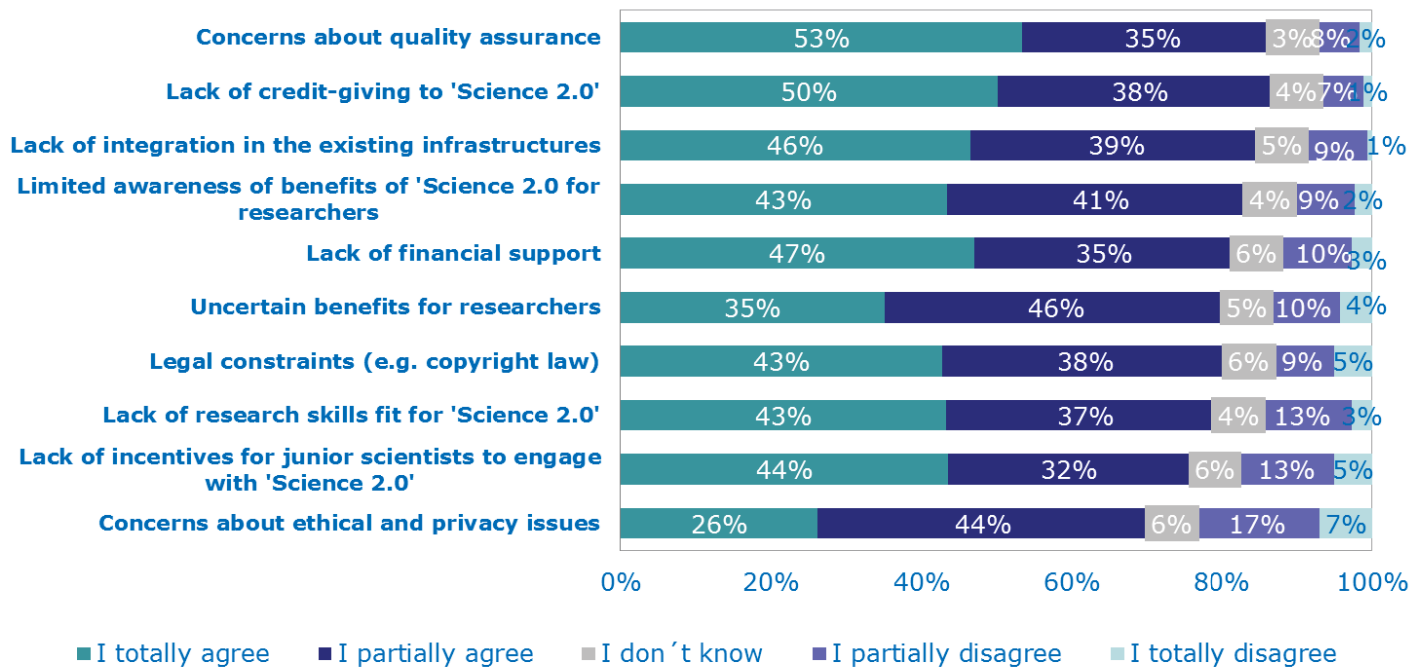
"What is the most appropriate term to describe 'Science 2.0'?"



"What are the implications of 'Science 2.0' for society, the economy and the research system?"



"What are the barriers for 'Science 2.0'?"



Objectives of possible future policy initiatives to address these challenges

- Support **infrastructures** for Open Science
- **Fostering Open Science**: removing barriers, creating incentives and promoting Open Access
- **Open Science and society**: making science more efficient (better use of and sharing of resources), reliable (re-use of data) and more responsive to societal challenges

Stakeholders share these expectations of 'Open Science' with large majority, on "condition":

- **bottom-up**
- **stakeholder-driven**





Political support

- Competitiveness Council 29 May 2015:
 - **Adoption of Council Conclusions on "Open, data-intensive and networked research as a driver for faster and wider innovation" addressing also Open Science**
 - **Policy debate on the public consultation: Member States support the development of a European Open Science Agenda**
- European Parliament: preparing a resolution on the Commission Communication "Towards a thriving data-driven economy"



Thank you for your attention.

**We are looking forward to your
contributions to today's
discussions in the subsequent
sessions!**

