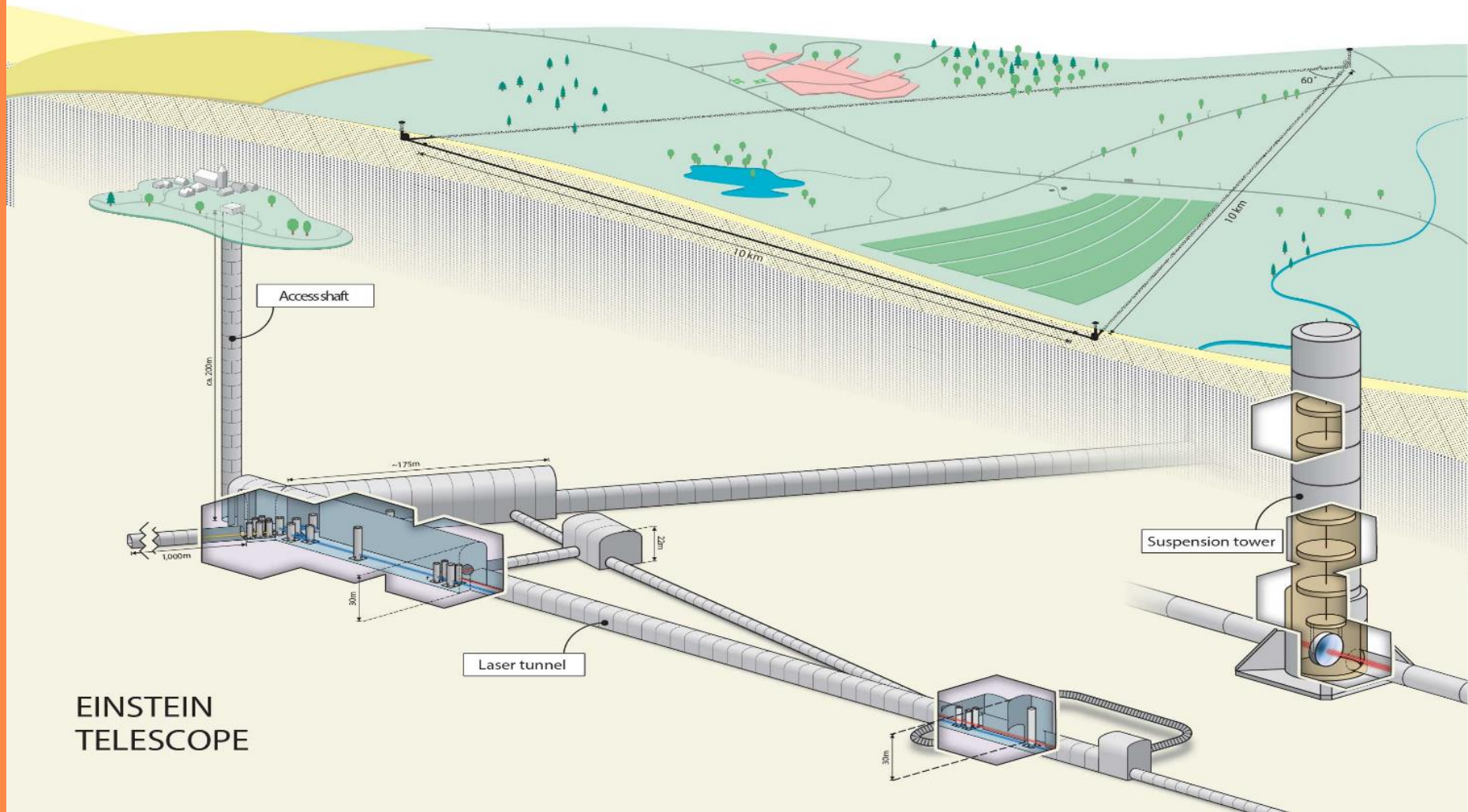




**Regionale
Ontwikkelings
Maatschappijen
&
Challenges for the
Einstein Telescope**

Big Science meets (Holland) High Tech, June 2 2023



EINSTEIN TELESCOPE

Valorisation Einstein Telescope

NGF ET Project

- Goal: show (economic) value
- Funding: National Growth Fund
- Timeline: October 2022 – October 2026
- Geography: Nationwide - NL
- Partners:



Regionale
Ontwikkelings
Maatschappijen



Ministerie van Economische Zaken
en Klimaat



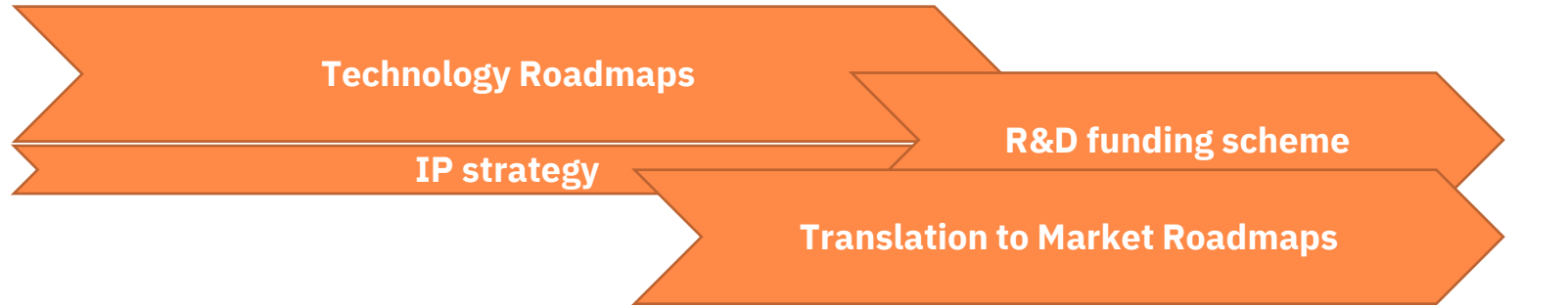
Ministerie van Onderwijs, Cultuur en
Wetenschap

provincie limburg



Action plan

Innovation support



Ecosystem development



NGF - Valorisation Advisory Board (6 members)

Team Einstein Telescope

Business Developer

Zuid-Holland



Albert van Dorssen

Innovation
Quarter

Investeren &
innoveren in
Zuid-Holland

Started in May

Business Developer

Brabant



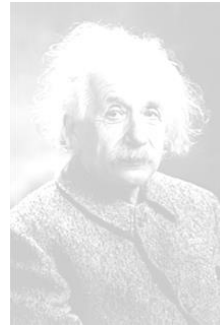
Karin van Dalen



As of August

Business Developer

Oost-Nederland



Vacancy



ILO



Rob van der Meer



Programmamanager



Jorg van der Meij

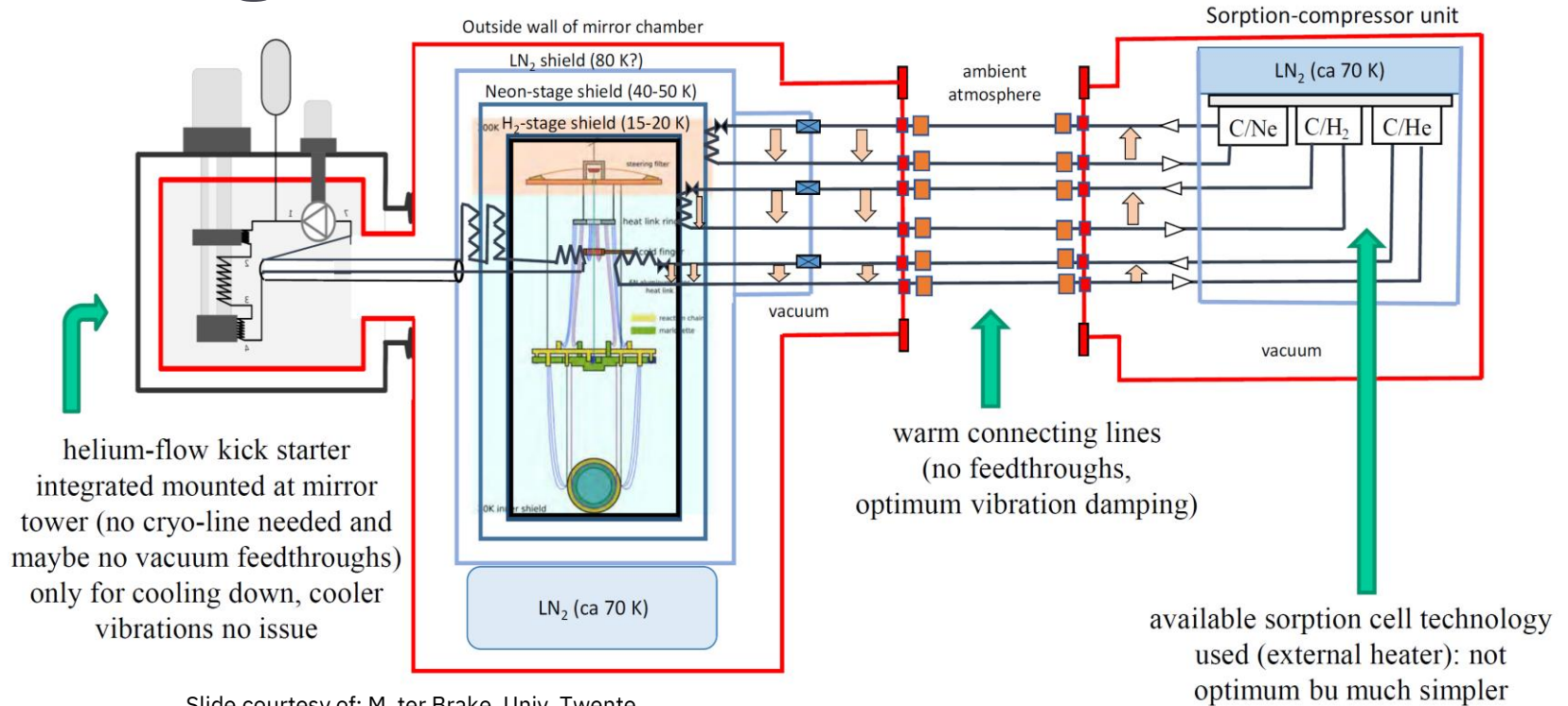


Technology domains

Technology domain	Development
Vibration-free cooling	development of vibration-free cooling of mirrors to 10-20 K
Vacuum technology	cost savings of the vacuum system and production facility design and installation scenario
Vibration damping	development of optimal combination of passive and active vibration damping
Optics	development of large Si mirrors and coating for application at 10-20 K
Thermal deformations	development of technology to monitor and compensate thermally induced deformations

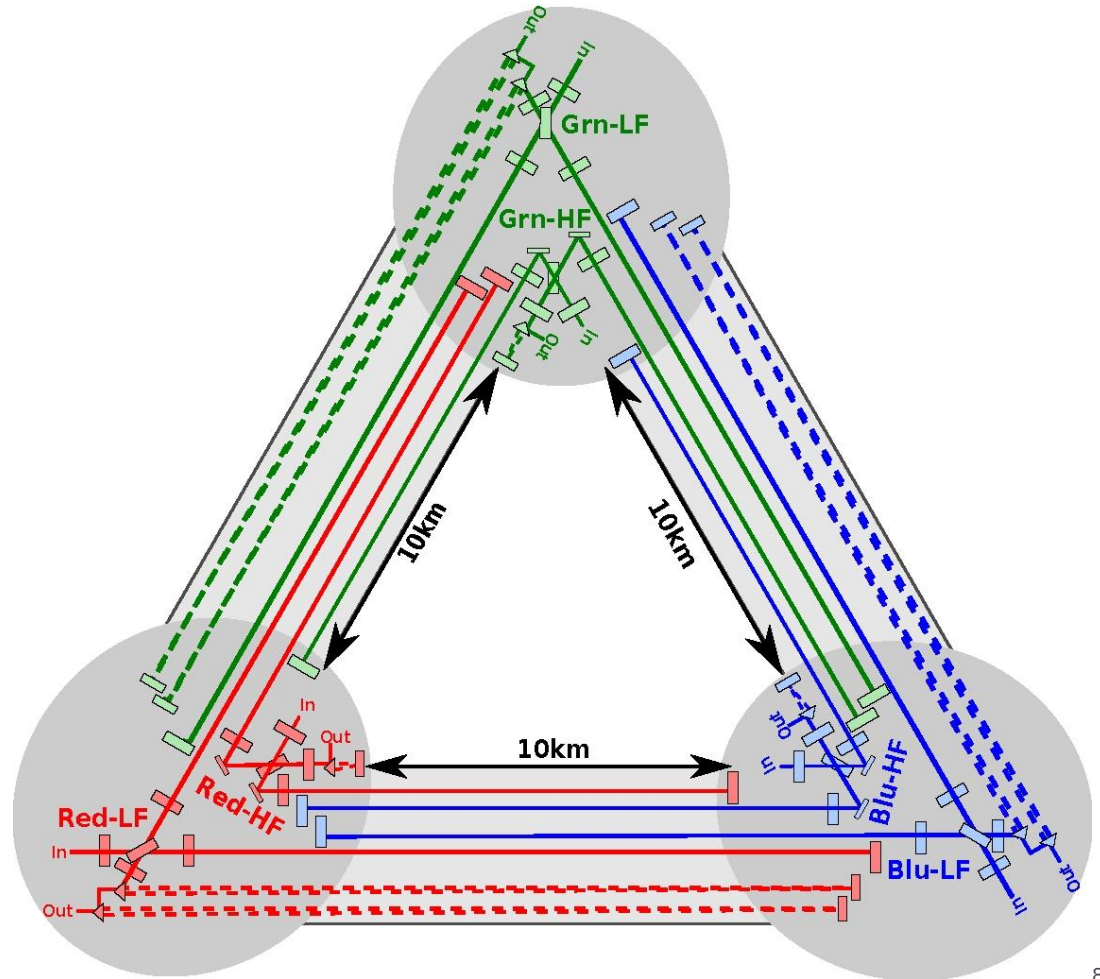
Vibration-free cooling

development of vibration-free cooling of mirrors to 10-20 K



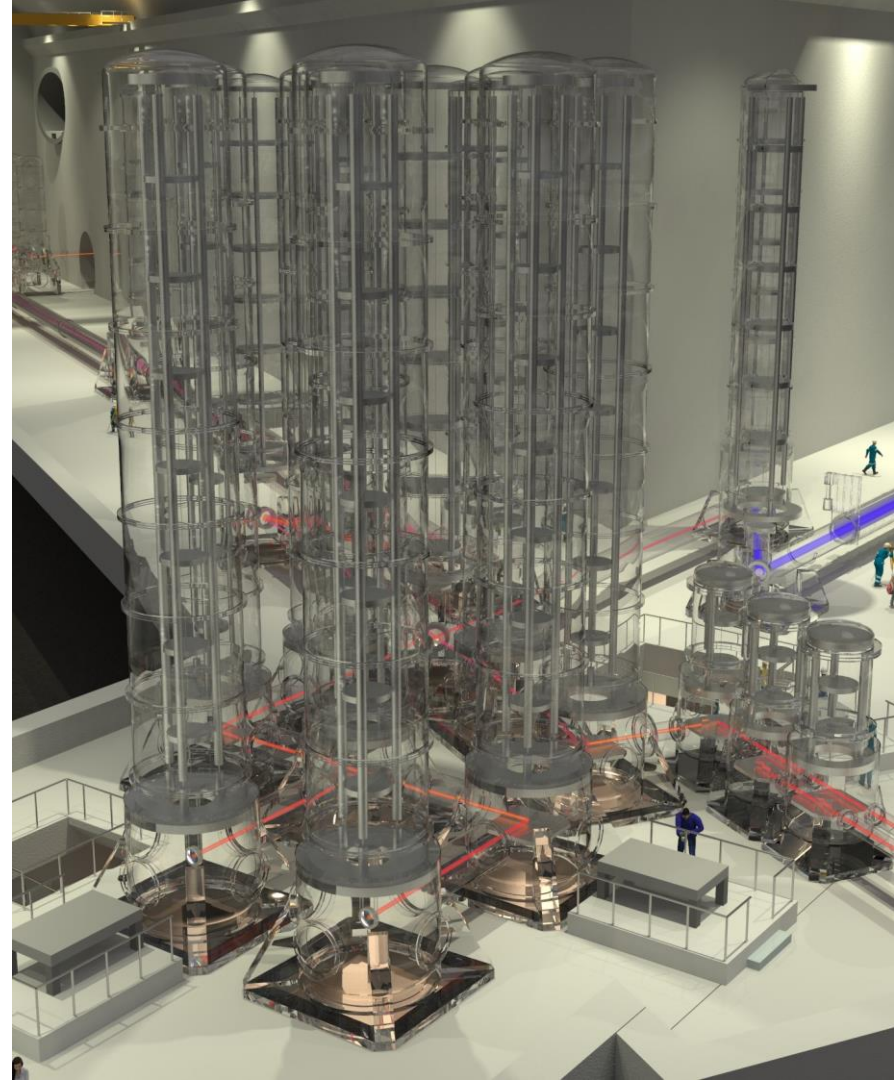
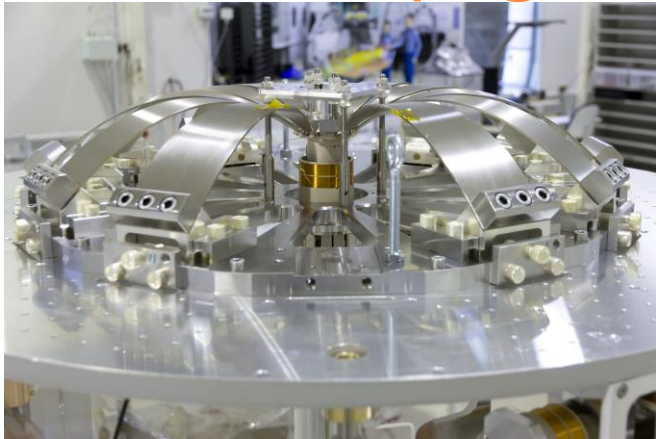
Vacuum technology

cost savings of the vacuum system and production facility design and installation scenario



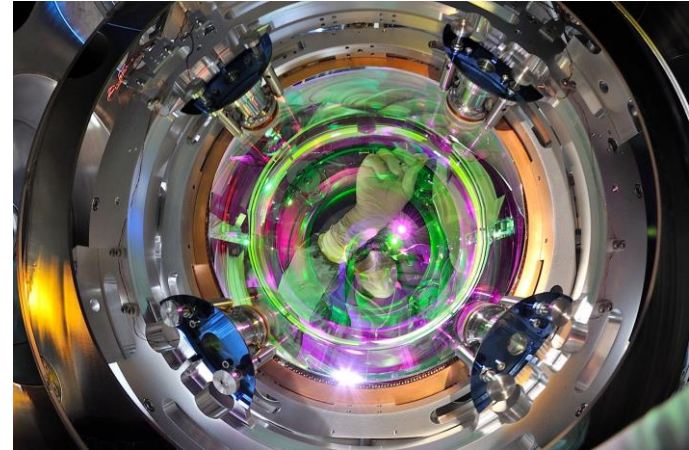
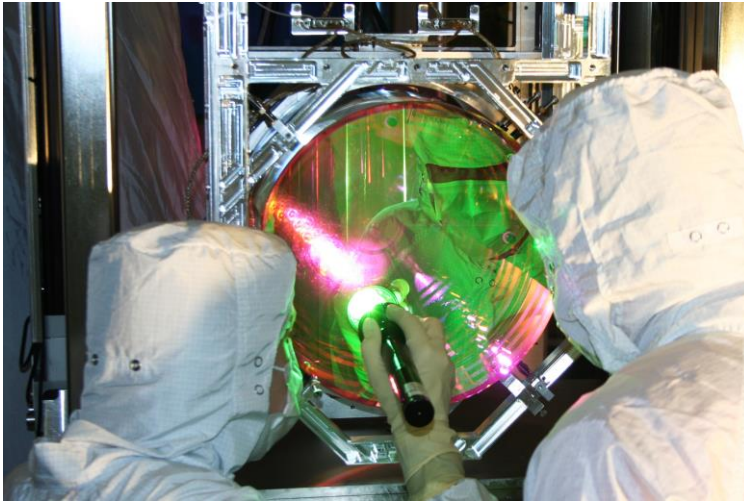
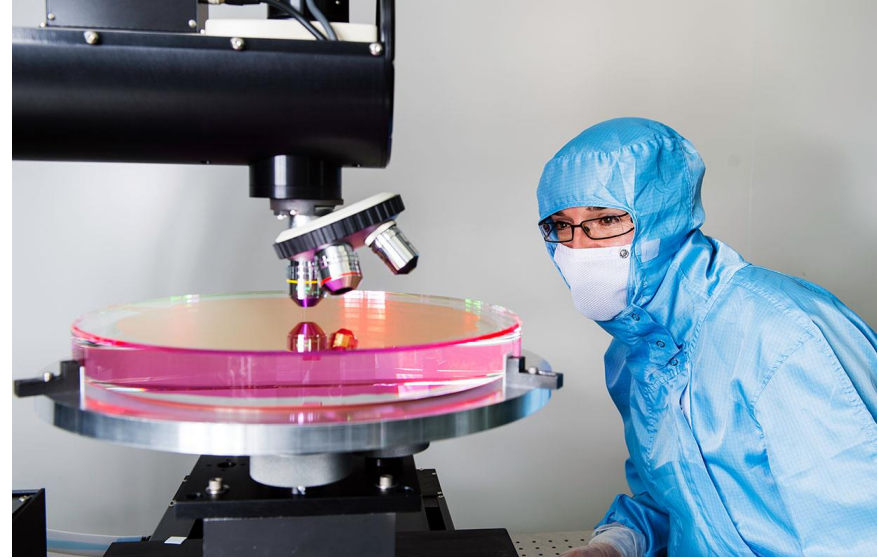
Vibration damping

development of optimal combination of passive and active vibration damping



Optics

development of
large Si mirrors
and coating for
application at
10-20 K



Technology domains

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R&D funding scheme

Preparations in progress; main characteristics

- Total budget: €12,085M
- Topics: 5 technology domains
- Calls: 1 or more calls per domain
- Target group: Consortia of SMEs & start-ups, large companies and knowledge institutes
- Timeline: General information in July 2023; First call expected in fall 2023



More information?

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