



CESAER

# UNIVERSITIES OF S&T VIEW

## CONCLUDING REMARKS

Mikael ÖSTLING

Deputy President of KTH Royal Institute for Technology in Stockholm

ON BEHALF OF

Sigbritt KARLSSON

1<sup>st</sup> Vice President for Leadership & Sustainability



# OVERVIEW

- 200 PARTICIPANTS
- 7 WORKSHOPS COVERING
  - Open Science
  - Next Generation Metrics
  - Tools for Research and Innovation Infrastructures management
  - Recognition of Study Points and Degree
  - S&T in 21st Century and Consequences for Education and Training
  - Careers of Early Academics
  - Role of Universities of S&T in Innovation Ecosystems



# OVERVIEW

- Launch of two white papers:
  - Engines of Excellence, Talent and Innovation
  - Role of Universities of S&T in innovation ecosystems
- Conference on Engines of Excellence, Talent and Innovation
  - Plenary with participation and views from national high-level policy makers and the European Commission
  - Debate and exchange of best-practices on how S&T universities promote scientific excellence, talent and innovation in three parallel sessions with presentation of 10 case studies from 7 leading S&T universities around Europe

# KEY MESSAGES FOR POLICY MAKERS AND FUNDERS



CESAER

# KEY MESSAGES FOR POLICY MAKERS AND FUNDERS

Goal:

*To contribute to better policy-making and funding of RII's. We address the core measures needed to ensure scientific excellence and innovation disruption, including those related with the data challenge, to deliver scientific, social, economic and societal impact and benefit.*



CESAER

# ENSURE SCIENTIFIC EXCELLENCE AND BREAKTHROUGH

- RII must properly develop, plan, monitor and evaluate their business case, effectively translating access policy into long-term income
- importance of implementation of the European Charter for Access to Research Infrastructures





# EDUCATE, TRAIN AND ATTRACT TALENT

- We encourage the EU to support the development of a SQF for RII staff and a dedicated scheme linking mentors/tutors to young talent
- The EU must reinforce its efforts to promote RII staff mobility across borders alongside with those of other researchers in the implementation of the ERA (e.g. transferable social security/pension rights)



# BOOST DISRUPTIVE INNOVATION

- The EIC, should focus on the strengthening of breakthrough and an ecosystems approach
- An ecosystems approach is the basis for long-term sustainable innovation, maximising the use of RII, supported by multidisciplinary and multi-background teams, through the collaborative approach between universities, RTOs, industry
- Need to broaden the competence of expert staff in Knowledge Transfer Offices (KTO) to Findable, Accessible, Interoperable, Reusable (FAIR) and secure access to data



# DELIVER SOCIAL, ECONOMIC, SOCIETAL IMPACT AND BENEFIT

- We support development of a common, reliable and normalised reference framework for impact assessment, which takes into account the diversity of RII as well as the evolution of the impact along the lifecycle
- International players to cooperate closely when defining and collecting standard data on RII with a view on increasing comparability and reducing administrative burdens to researchers and RII



# IMPLEMENTING EOSC

- Universities are more than users, they own, host manage, operate RII
- When developing EOSC it is crucial to involve S&T universities in policy and investment decisions as crucial stakeholders
- Implement a federated and decentralised approach by building upon existing bottom-up science-driven communities and structures
- Fair and secure data principles are central
- Fill the gaps of disciplines and communities that lack organisation to raise them to advanced levels

# FRAMEWORK CONDITIONS FOR GOVERNANCE AND FUNDING

- ESFRI, national and regional funding agencies should assess and monitor the business cases and plans of RII and provide meaningful recommendations directed towards supporting them to move towards implementation
- adopt long-term visions and approaches to RII monitoring and governance
- determine national RII roadmaps prior to ESFRI roadmap update allowing for effective and efficient collection of political support and financial commitment



# REACH OUT TO SOCIETY

- familiarize more youngsters with science, transmit knowledge through education and training at all ages and involve local communities
- RII, funders and governments need to internalise public engagement strategies into their mission and allocate funding (e.g. scholarships) accordingly



