



INSTITUTO NACIONAL DE ESTATÍSTICA
STATISTICS PORTUGAL

ESS Innovation agenda and network

CSE, 12 julho 2023



Summary

1. Framework and core concepts

Goals

Innovation activities types

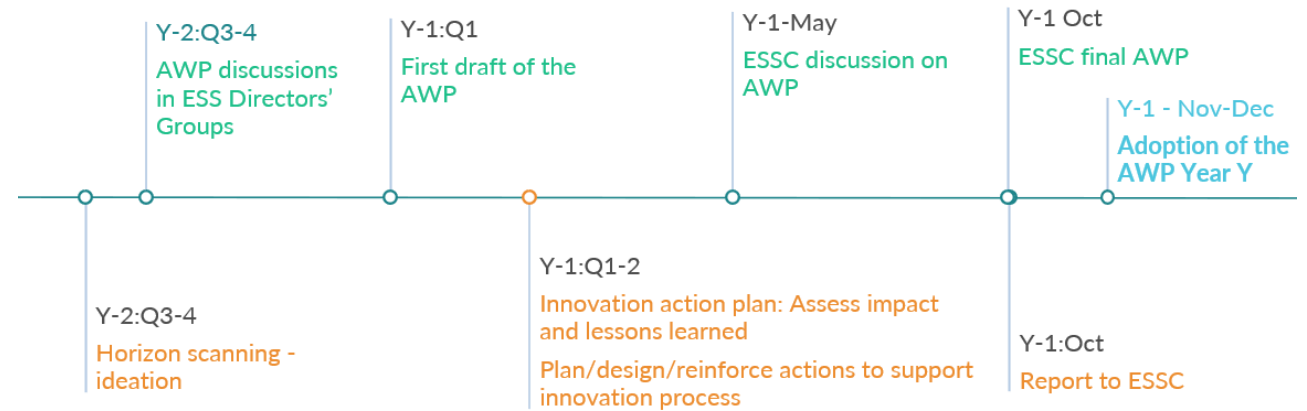
2. ESS innovation activities portfolio for 2023

3. Statistics Portugal and innovation

1. Framework and core concepts

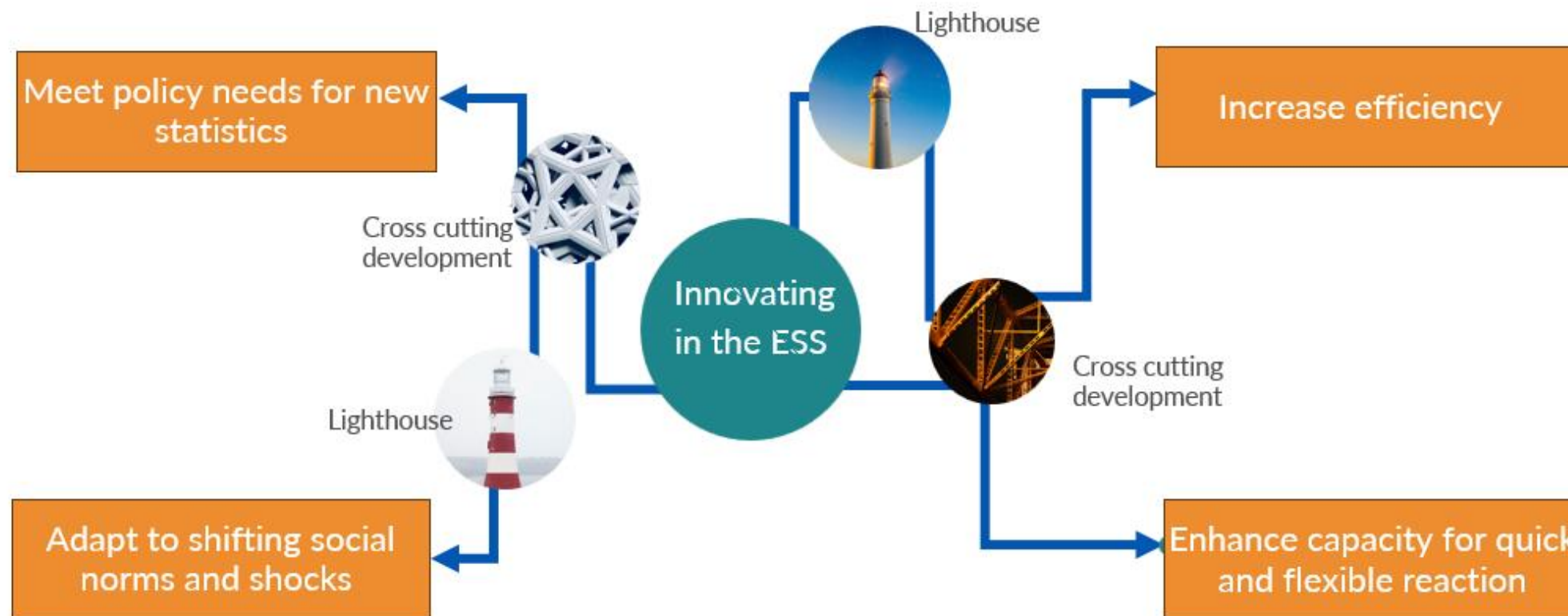
- ESS Innovation agenda endorsed by the ESSC on 11 February 2023
- Set up of a ESS Innovation Network
- Innovation Action Plan are embedded in with Statistics Multi Annual Programme 2021-2027
- Innovation cycle aligned with Annual Work Program process

Annual Work Program process



Annual Update of the Innovation Action plan

Innovation goals

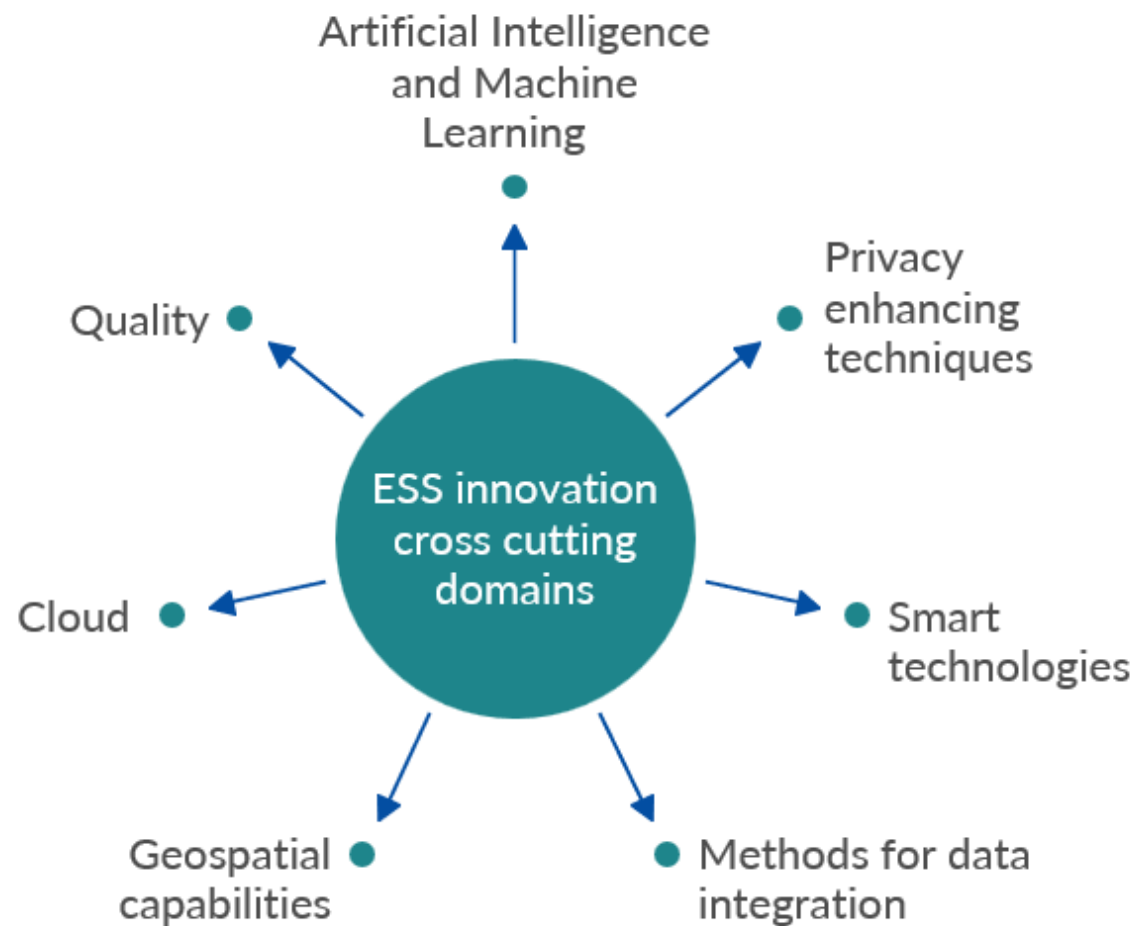




Execution - Lighthouse projects

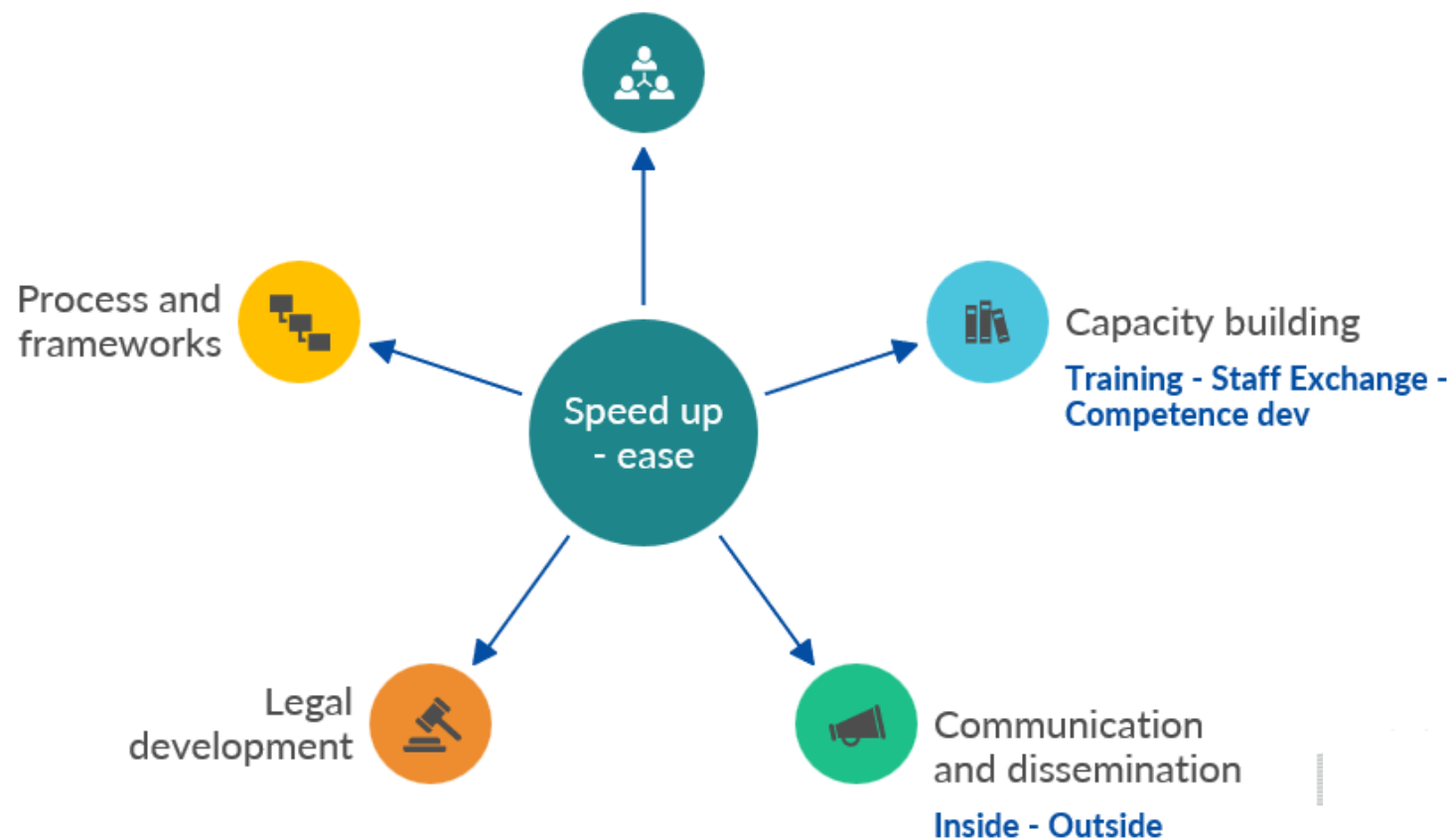
- Within specific statistical domains which can lead to innovative statistical products and services or improved statistical production processes
- These products focus on new or improved statistical outputs and can implement and use methods and technologies that can be scaled out at ESS level

Execution – Technical and Methodological developments

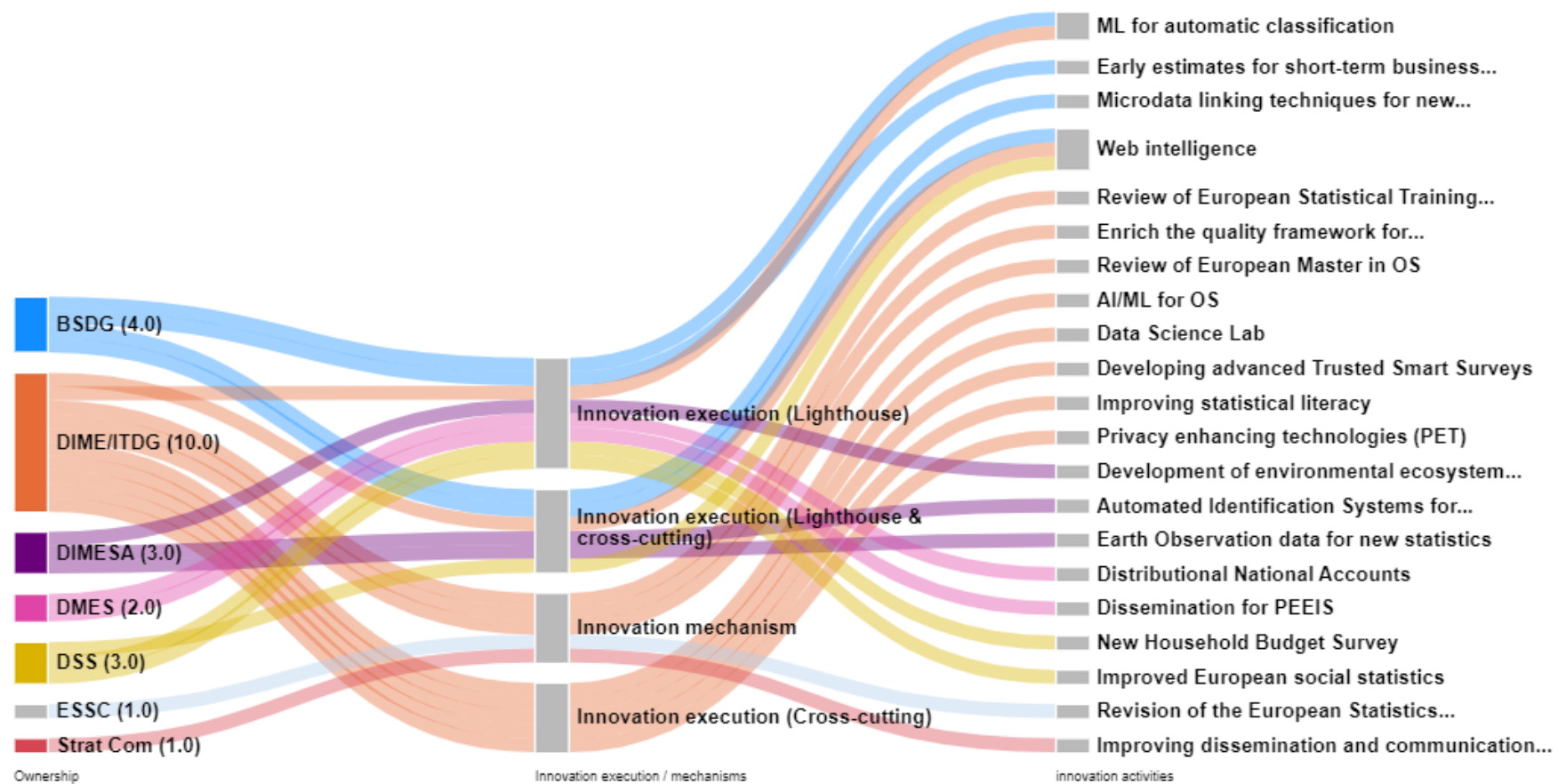


Mechanisms

Peer to peer knowledge sharing



2. ESS innovation activities portfolio



21 activities: 7 Lighthouse projects, 9 crosscutting technological and methodological developments, 5 mechanisms

3. Statistics Portugal and innovation

Statistics Portugal envisages to have a stronger role in the data ecosystem

In the last few years, we highlight:

- National Data Infrastructure
- Investment on data integration of multiple data sources
- External sources treated centrally – one database, multiple users
- Investment in technological infrastructures
- New technological developments: Artificial Intelligence, data protection methods, new IT tools
- STATSLAB
- Strong partnerships with data providers, users and academia
- Half an hour weekly meetings – community of R statisticians

3. Statistics Portugal and innovation

Some concrete examples from the portfolio 2023

Lighthouse:

- Working towards early estimates for short term business indicators
- Machine Learning for automatic classifying entities according to NACE

Technical and methodological developments

- Web intelligence for labour market and business statistics
- Artificial Intelligence/Machine Learning Collaborative structure

Mechanisms

- Revision of the European Statistics Regulation 223/2009
- Enrich the quality framework for non-traditional / new data sources



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