
Introduction to the European Standardisation Panel Objectives, Processes and Output

Multiple Service Framework Contract
N° 2018/RTD/A2/OP/PP-07001-2018

Lot 3 - Studying, assessing and evaluating research and innovation programmes and policies (SARI)
published by DIRECTORATE-GENERAL FOR RESEARCH AND INNOVATION

Webinar on the European Standardisation Panel Survey at Small Business Standards

Knut Blind & Luzie Kromer

16.11.2023

Agenda

- Introduction
- Survey structure
- Next steps

The European Standardisation Panel

Development of the European Standardisation Panel

- Since 2012 successful German Standardisation Panel, conduction with DIN and DKE, over 7000 companies surveyed, >50% of DAX-30 + large number of SMEs
- Commitment of EC to the launch of the European Standardisation Panel in October 2022 focusing on research based standards
- Support of CEN, CENELEC and ETSI

Objectives

- Give European standardisation experts a voice
- Accompanying timely current topics-tool for standardisation and innovation research and policy advice
- Building up a panel in order to be able to examine trends and causal relationships
- Be a communication channel between standardisation organisations, standardisation experts, industry, policy and science in the EU

Objectives in detail

- Develop and implement a European Standardisation Panel Survey (ESPS) to generate a database to allow an analysis in order to help **identify industry's demand for standards as potential results of R&I projects**, to contribute to the **assessment of how EU R&I framework programmes tackle the standardisation needs of industry**, and to **contribute raising awareness on the importance of standardisation** in general and its **interface with R&I** for industry.
 - To design a **large-scale survey** to collect data on the standardisation activities and needs of EU companies in general and related to R&I based standardisation and standards in particular.
 - Analysis of current activities and future trends in relation of the **demand and use of R&I based standards** for use by all stakeholders involved in standardisation, incl. R&I policy makers and any other interested parties.
 - Develop **strategies for the involvement of R&I** actors in European and international **standardisation** by **matching the supply of R&I based standards** with the **demand of industry**. Contribute to **understand the integration of R&I results in standardisation processes**, the **implementation of standards**, and the **effects** of standardisation and standards on entrepreneurial and commercial success. Develop **policies for the involvement of R&I actors** in European and international **standardisation**, with a special view on the potential role of R&I results in formulating mandates by the EC addressing the ESOs.

What is in for me in filling out the questionnaire of the European Standardisation Panel?

- My answer is **strengthening the voice of the European Standardisation Community in the context of the global competition**, in particular with the US and China.
- My answer is **strengthening my country's voice within the European Standardisation Community**.
- The results of **the final report** can allow my organisation to **benchmark its standardisation activities** with the **European level** and - **if sufficient answers** are available - with the **national level**.
- I can **suggest ideas to improve standardisation processes** at the **European and national level**, but also **optimize the public funding opportunities** related to standardisation, e.g., **FP10 following Horizon Europe**, but also national funding programs.

Who are we?

Prof. Dr. Knut Blind



Head of the Business Unit Innovation and Regulation at the Fraunhofer Institute for Systems and Innovation Research.

Head of the Department of Innovation Economics at the Faculty of Economics and Management at the Technical University of Berlin.

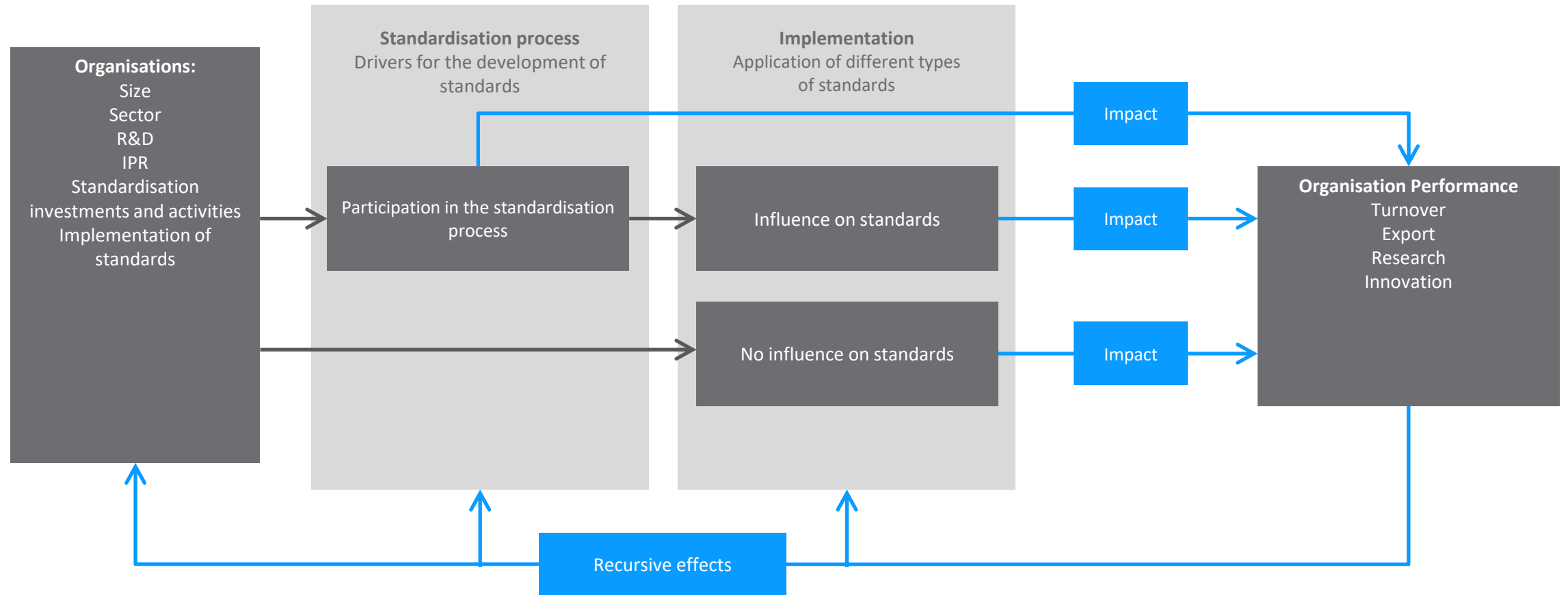
Furthermore, chairman of STAIR, a joint WG of CEN-CENELEC

Luzie Kromer, M.A.

Research associate at the Department of Innovation Economics at the Technical University of Berlin and scientific director of the German Standardisation Panel since January 2022.



Heuristic model



Survey Structure

Information about organisation

Sector, size, turnover, export, R&D etc.

Importance of standards & & standardisation activities

- Number of standards applied
- Importance of standards
- Impact of standards on success factors
- Certification of key standards
- Active in Standardisation org
- Standardisation departments in companies

Special Section

- Research as input for innovation through standardisation
- European Standardisation

Panel Questionnaire

Special Section

Link to the demonstration of the European Standardisation Panel:

<https://inno.limequery.com/638761?lang=en>

An initiative
of the



*From which point of view will you be answering the following questions?

i This is a mandatory field as your answer affects the following questions and the evaluation of your answers. Please answer for your company or your business group if possible.

- The view of the organisation
- The view of the business group
- My expertise as an individual

*What type of organisation do you represent?

i Choose one of the following answers

- Private for profit organisation (company)
- Public organisation
- Non-governmental organisation
- Governmental organisation
- Higher education institution (HEI)
- (Public) research organisation (PRO)
- Foundation
- Other:

*How important are the following types of established **national** level standards for your organisation?

Assessment on a scale from -3 (very unimportant) to +3 (very important)

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
Formal standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical rules or specifications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Informal consortia standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
De-facto standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*How important are the following types of established standards at **European** level for your organisation?

Assessment on a scale from -3 (very unimportant) to +3 (very important)

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
Formal standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Survey Structure

An initiative
of the



Please assess the relevance of **advantages of research results** as input for standard development.

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0 (neutral)	+1	+2	+3 (very important)
Free access to scientific publications and other materials on the Internet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Impulse for new standardisation initiatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improving the scientific evidence base for standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Keeping track with scientific and technical progress	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Leveraging own research results via standards for the development of own product and process innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preventing that competing research content become dominant designs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific evidence to develop standards contributing to increased quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific evidence to develop standards contributing to contribute to the protection of the environment and sustainability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific evidence to develop standards being relevant for follow-up research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using scientific evidence to develop standards in support of regulation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify what you mean by other.

Please write your answer here:

Survey Structure

An initiative
of the



Are you **aware** of standards or standardisation in the following areas?

Please choose the appropriate response for each item:

	-3 (very unimportant)	-2	-1	0	+1	+2	+3 (very important)
Low-carbon cement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wind	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sustainable cities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Green Electricity System	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Clean hydrogen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Photovoltaics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Artificial Intelligence	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Digital Product Passport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data interoperability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Critical Raw Materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Circular economy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, in the context of the green and digital transitions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please specify what you mean by other.

Please write your answer here:

Exemplary results from the German standardisation panel

Gefördert durch:



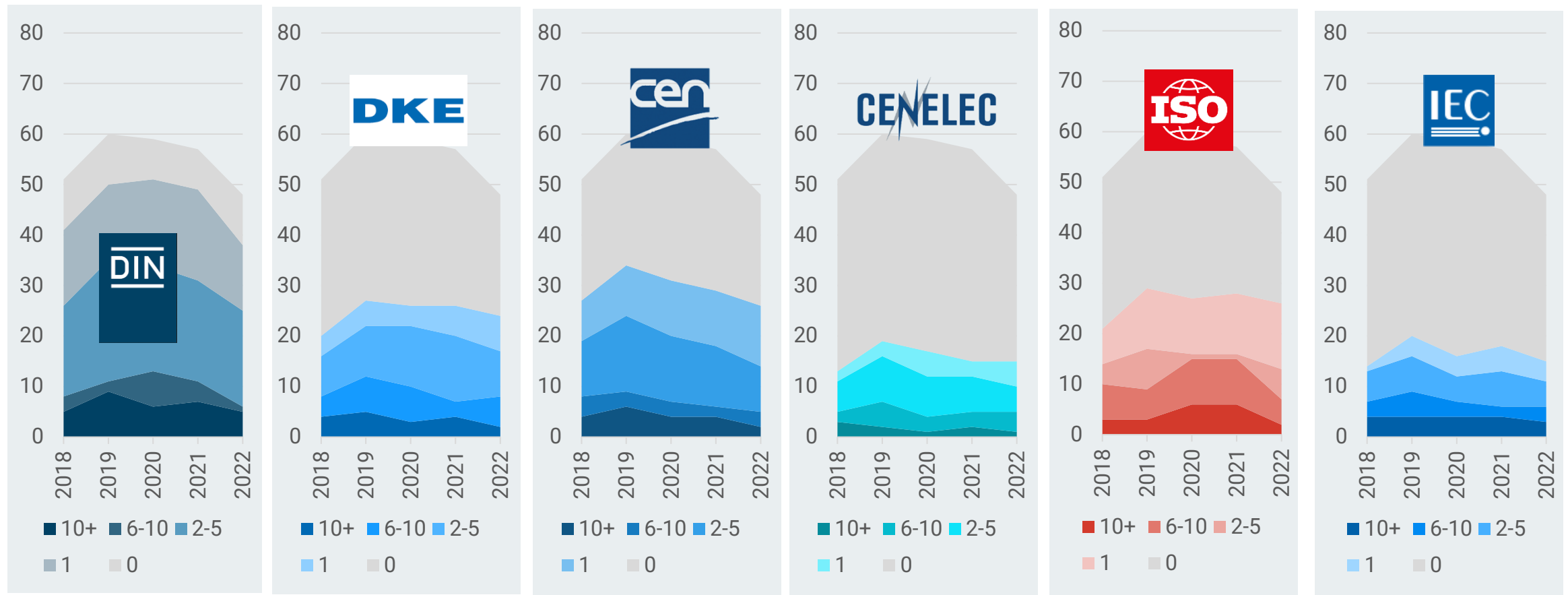
Bundesministerium
für Wirtschaft
und Klimaschutz

aufgrund eines Beschlusses
des Deutschen Bundestages

Representation in standardisation organisations

Committee seats in standardisation organisations 2018-2022

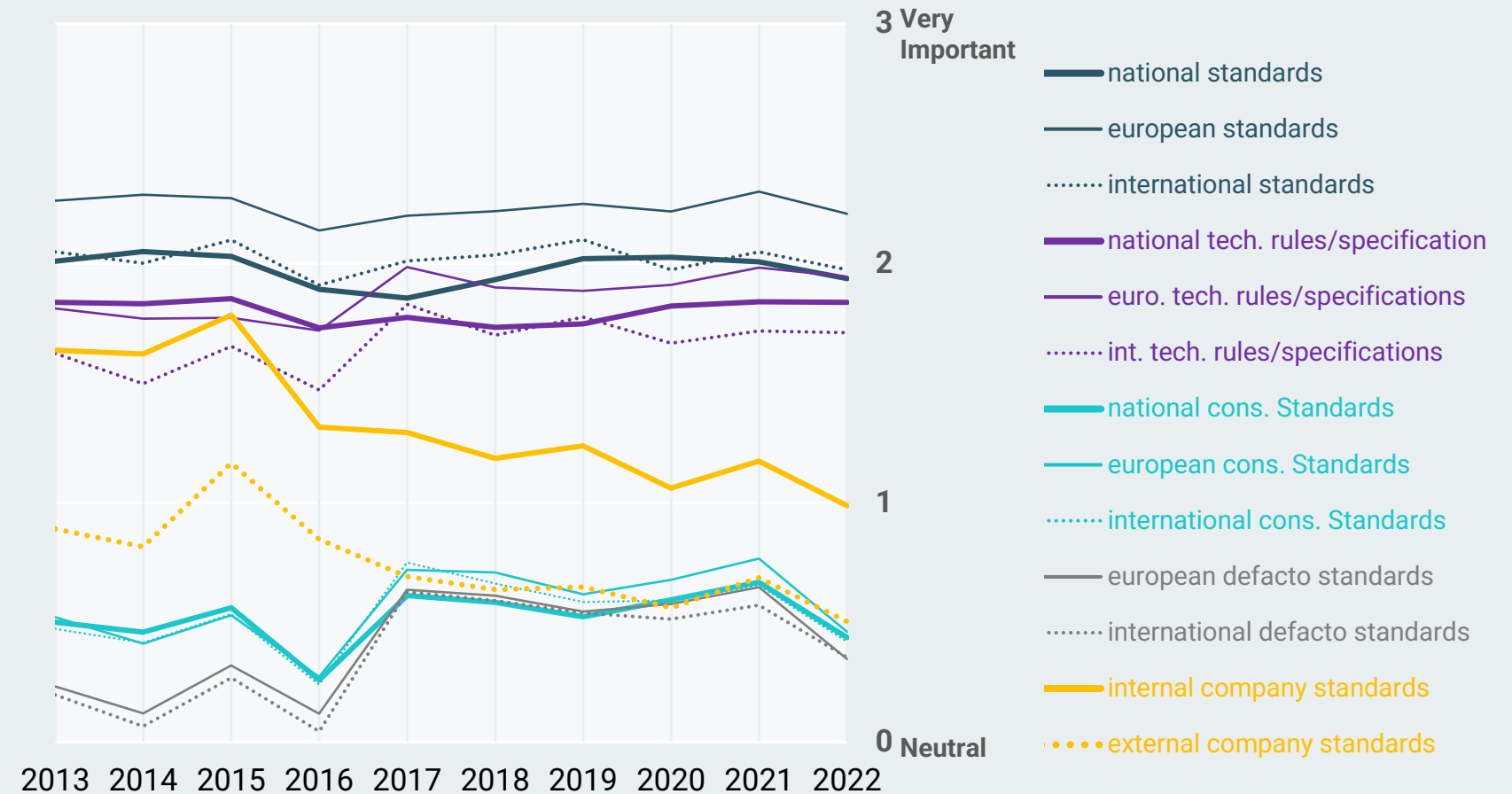
Balanced panel (all persons who provided information from 2018 to 2022, n=74)



Importance of standards

How important are the following types of standards at national/ EU/ international level for your company? (Means)

Average importance of standards / year

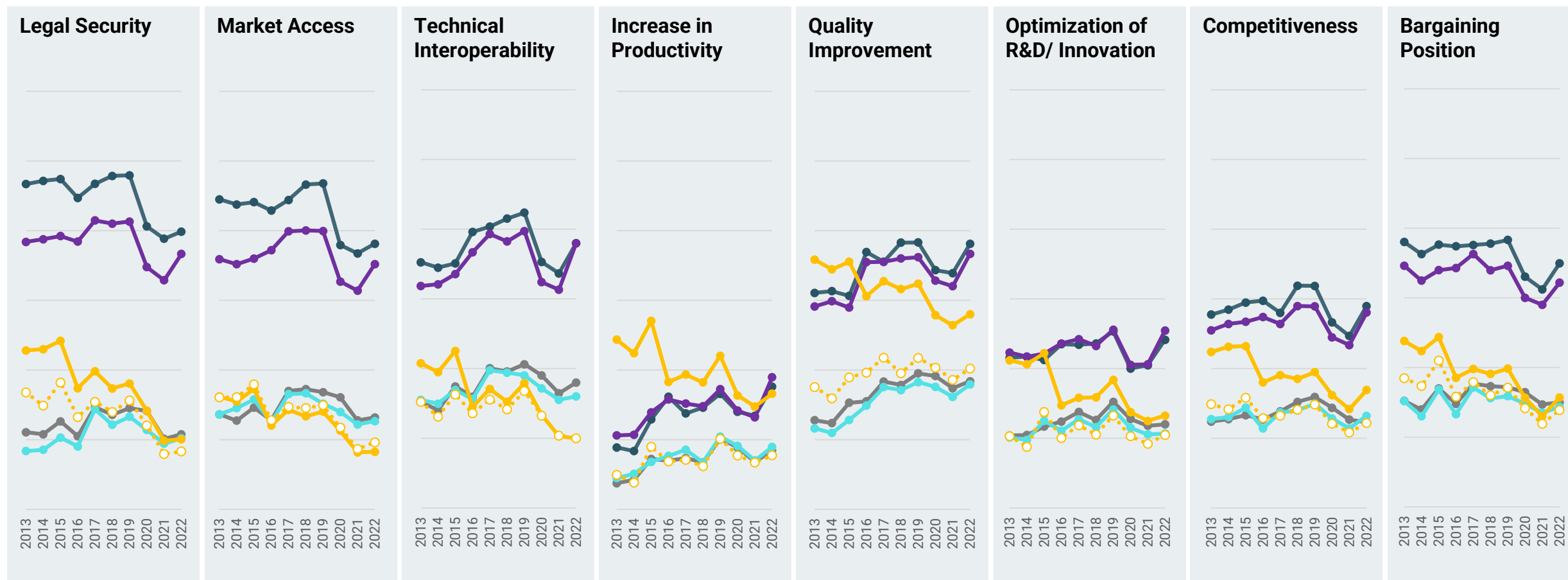


Unbalanced panel, weighted samples (size/industry), scale -3 (not at all important) to +3 (very important), n=19879

Impact of standards on success factors

Average assessment of the impact of different types of standards on success factors

Standards Tech. Rules and Specifications
 Consortia Standards Int. Company
 Standards Ext. Company Standards
 Defacto-Standards



Please rate the impact of different standards on -3 (very negative) to +3 (very positive), Weighted samples, base n=8,420 to 11,245

Next steps



- Submission of draft final report
- Presentation of preliminary results on December 8, 2023.
- Closure of the survey on December 31, 2023.
- Submission of final report in early 2024
- Presentation of final results in spring 2024.

MANY THANKS FOR YOUR ATTENTION AND SUPPORT!

- Contact in case of questions:
 - Knut Blind knut.blind@isi.fraunhofer.de
 - Luzie Kromer l.kromer@tu-berlin.de