

Rethinking public procurement through data

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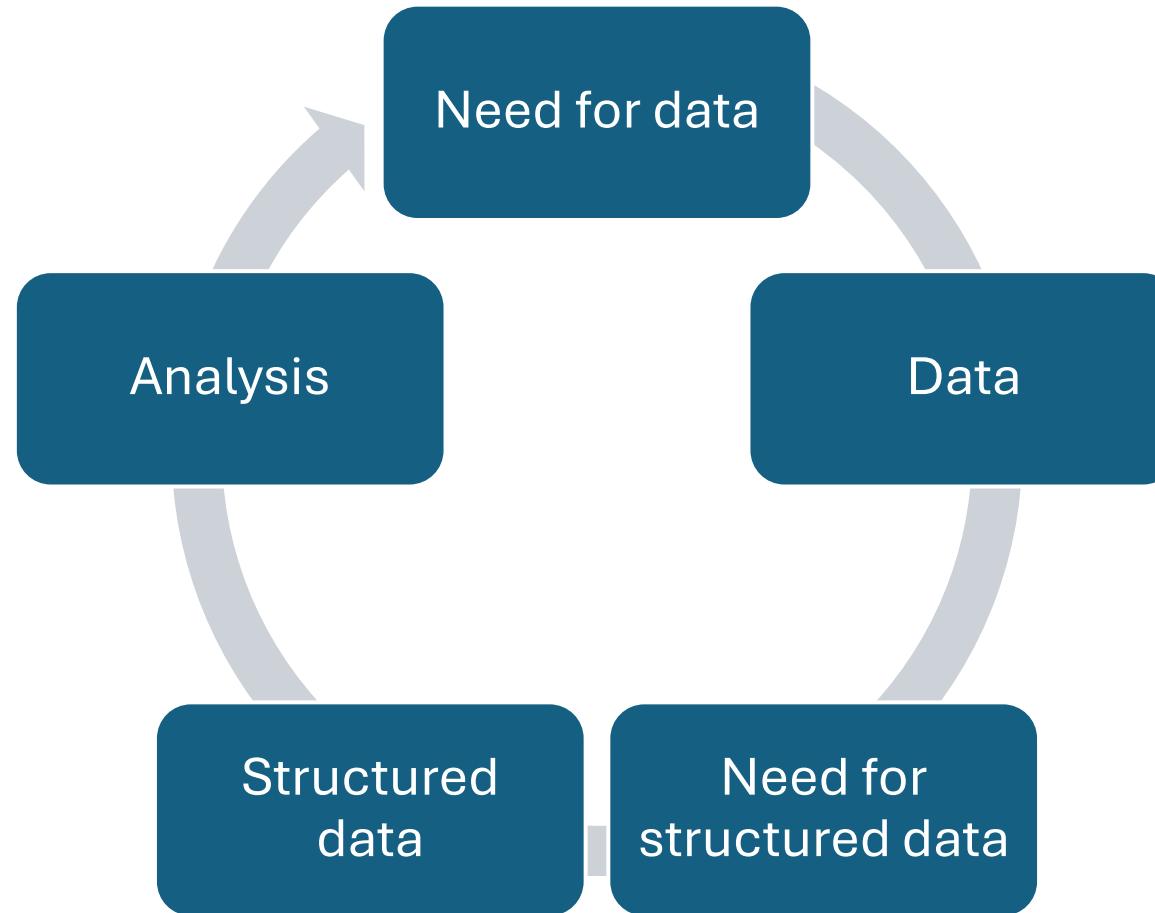
Corvinus University of Budapest, Hungary

Growing curiosity in public procurement

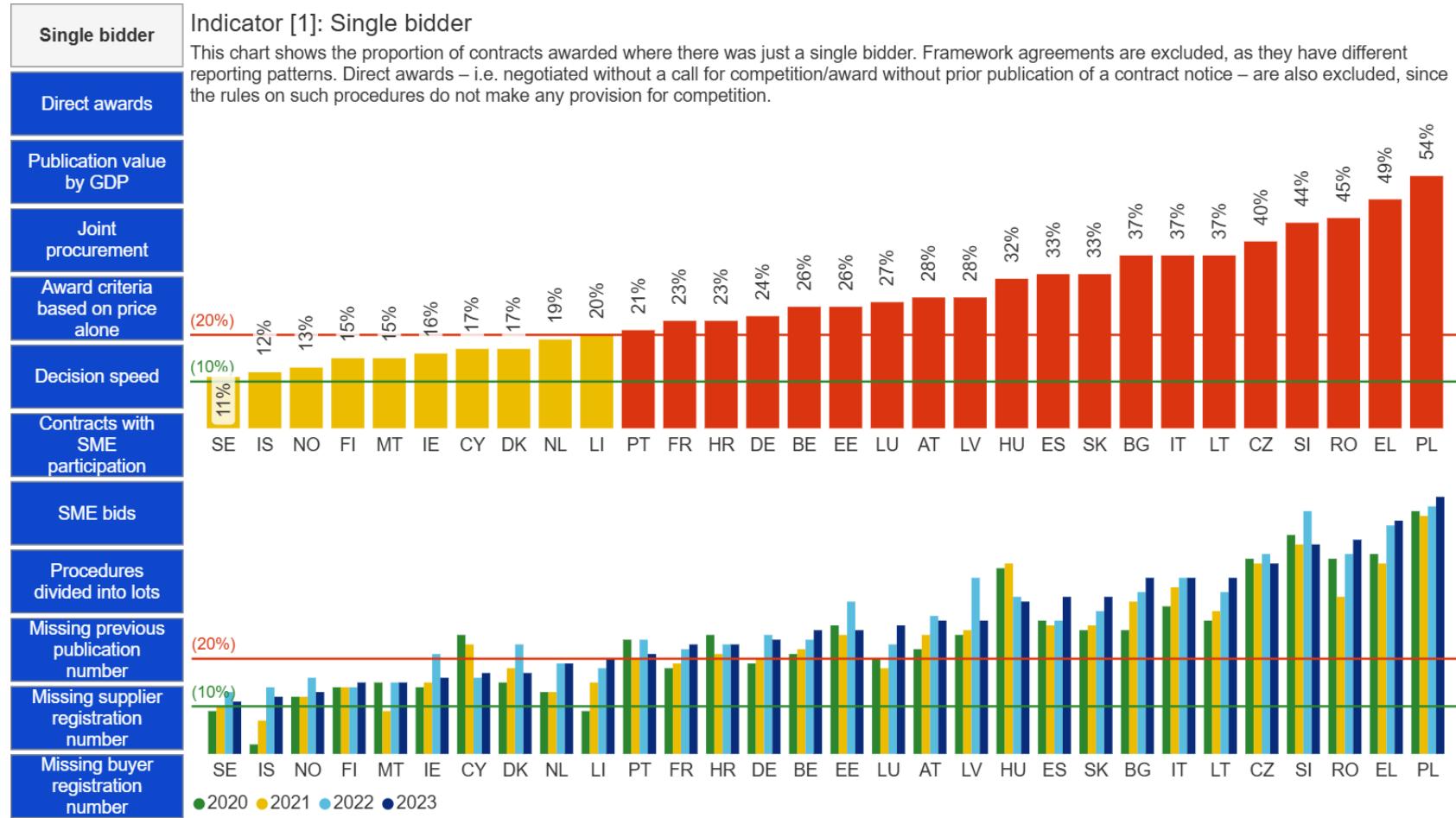
- “Green behavior” of market participants
- Intensity of competition
- Characteristics of abuse or misuse of public procurement
- Actors in the supply chain
- Activity of stakeholders within the procedure
- Estimated value vs. market price



The Never-ending cycle of data discovery for better understanding the market

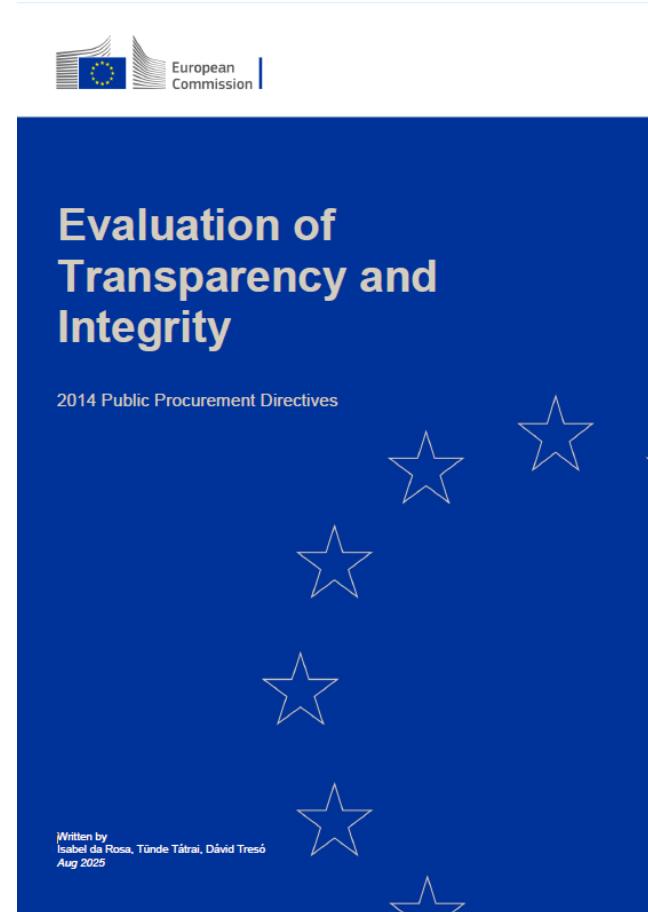


Indicator system – Scoreboard (2020-2023)



Evaluation of 2014 EU Public Procurement Directives (2025)

- TED Data 2013-2023
- Public Procurement Dataspace: Same data structure above and below the EU threshold

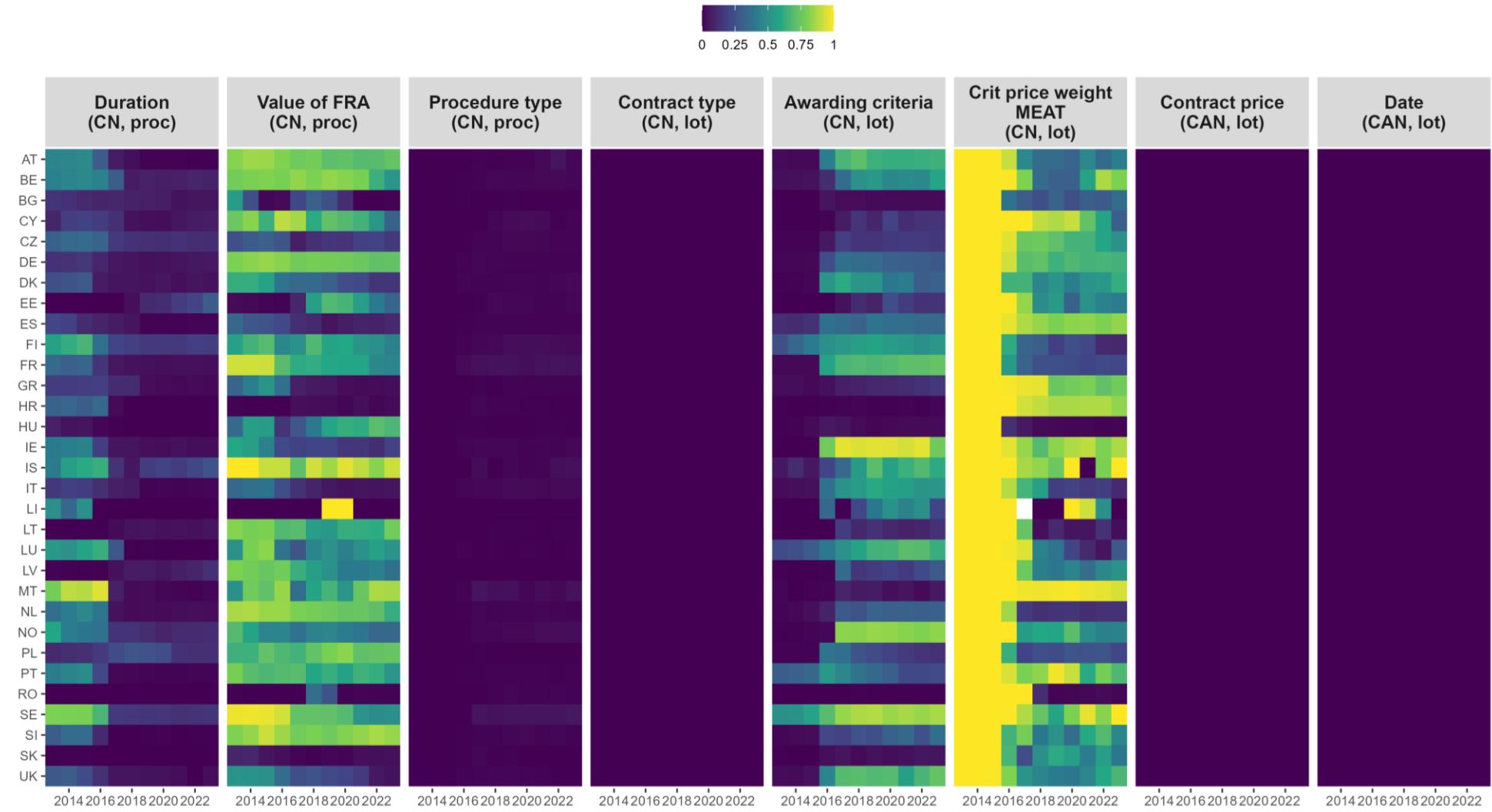


Methodology, framework

DATA			PERFORMANCE
Openness and accessibility	Accurate and reliable information	Fair competition	
<ul style="list-style-type: none">• Publication activity• Duration information• Value Information	<ul style="list-style-type: none">• Missing information• False information	<ul style="list-style-type: none">• Open competition• Fair competition• Lack of competition	

- **Positive Trends:** More procedures, increased publication, improved data connection, more languages allowed.
- **Negative Trends:** More missing awarding criteria, higher rate of single-bid contracts, increased use of framework agreements with single suppliers, more small-value contracts with questionable validity.
- **Neutral/Undefined:** Some indicators (contract price, procedure type) show little change.
- **Data Quality Issues:** Missing or inaccurate data, especially on award criteria and contract values, remain problematic.

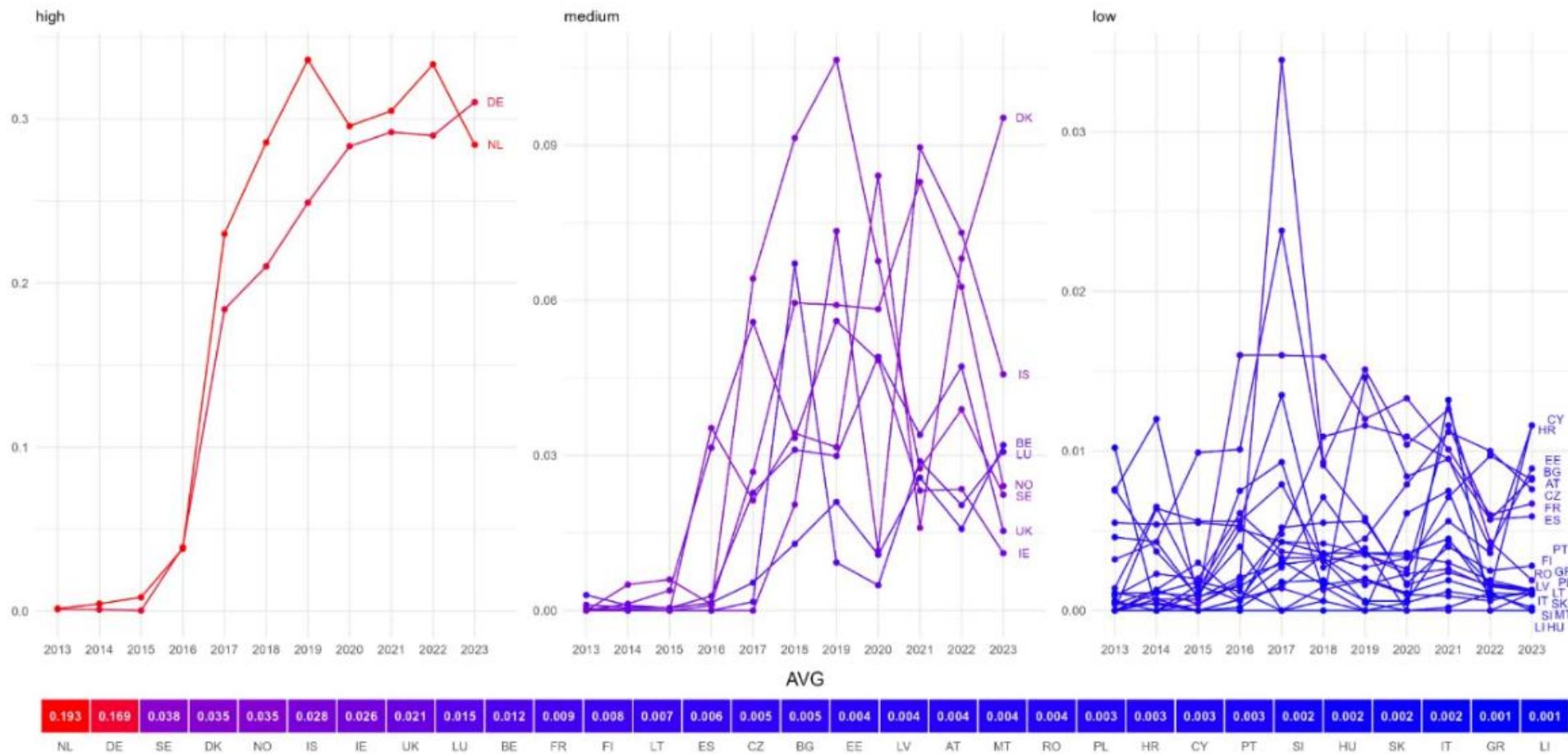
Missing information (0=not missing)



Missing awarding criteria – high – medium – low countries



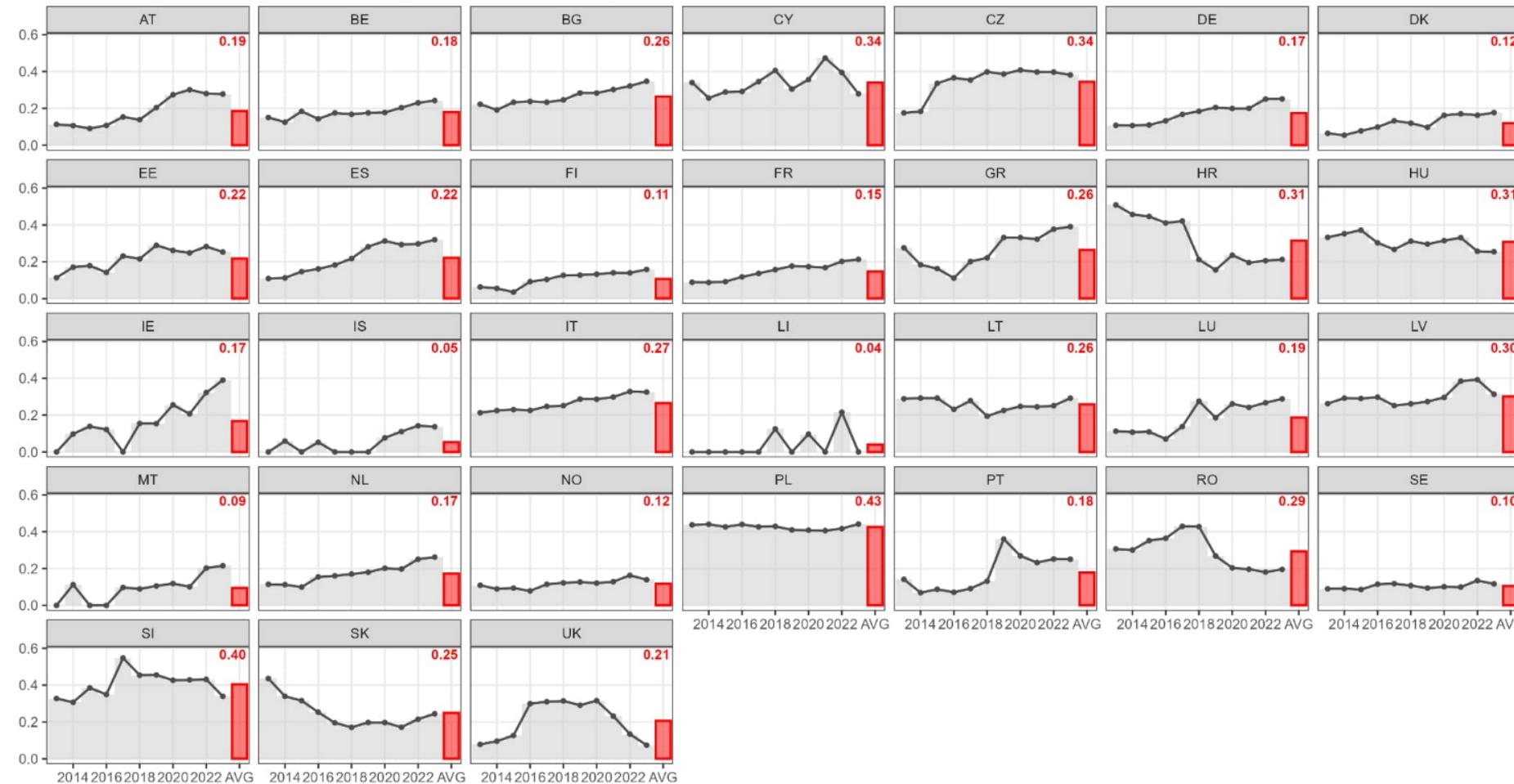
Contract price below 10 EUR



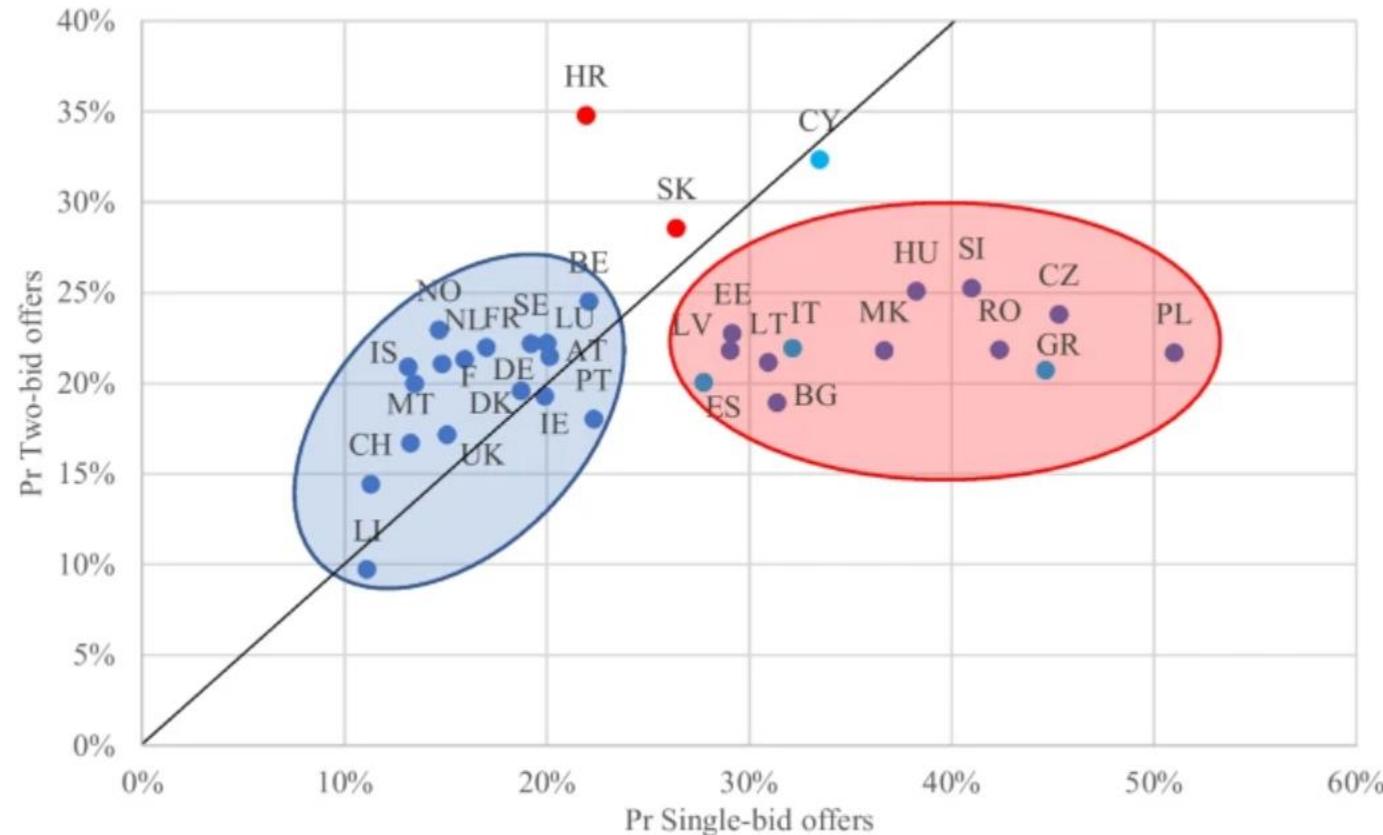
Single bid and direct award

Single bid & direct award ratio

number of single bid LOTs plus number of single bid direct award LOTs per number of LOTs



Intensifying competition



Tátrai, T., Vörösmarty, G., & Juhász, P. (2024). Intensifying competition in public procurement. *Public Organization Review*, 24(1), 237-257.

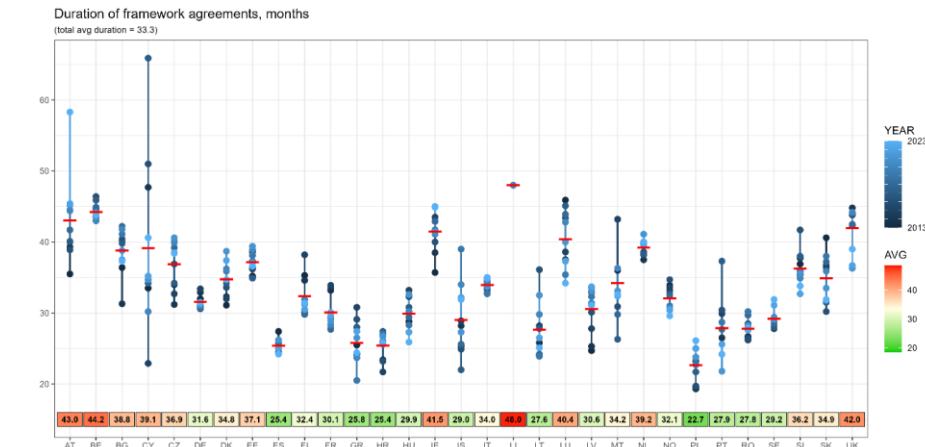
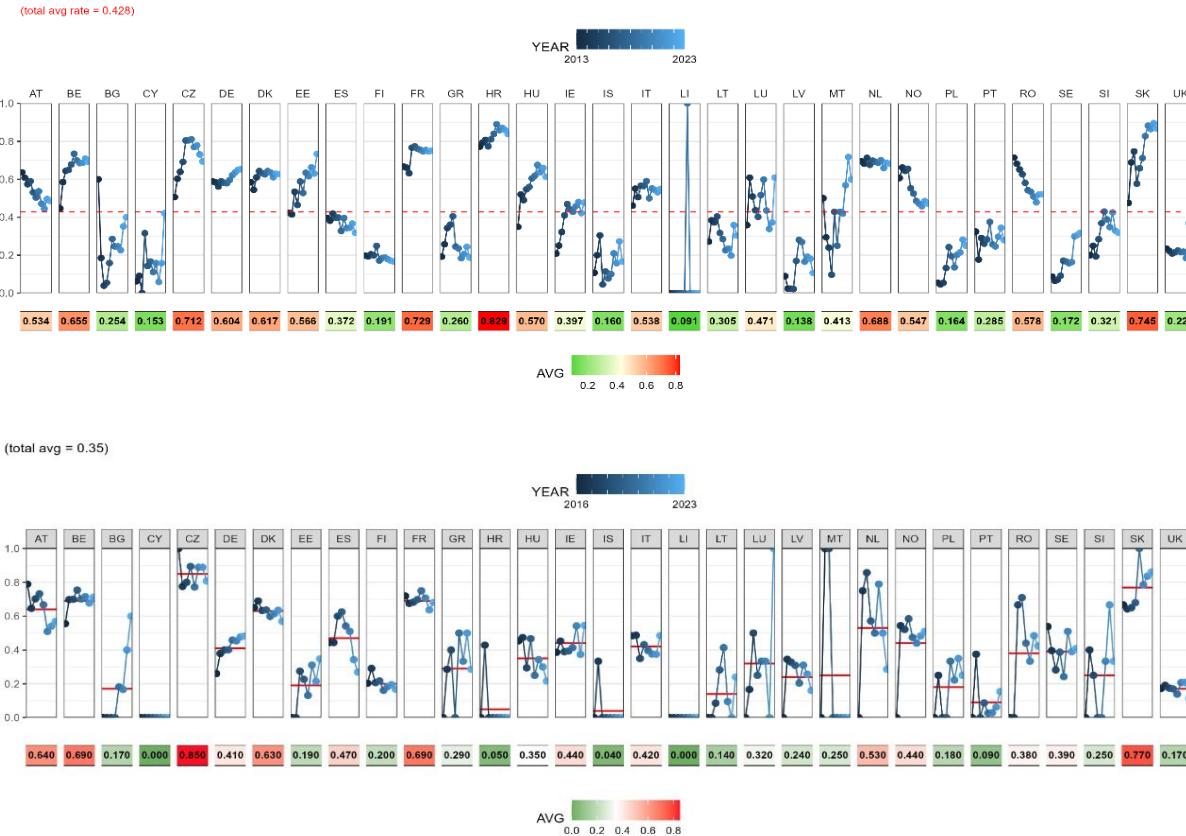
Non-awarded LOTs



Framework agreements with a single supplier

Framework agreements with a single supplier by Central Purchasing Bodies

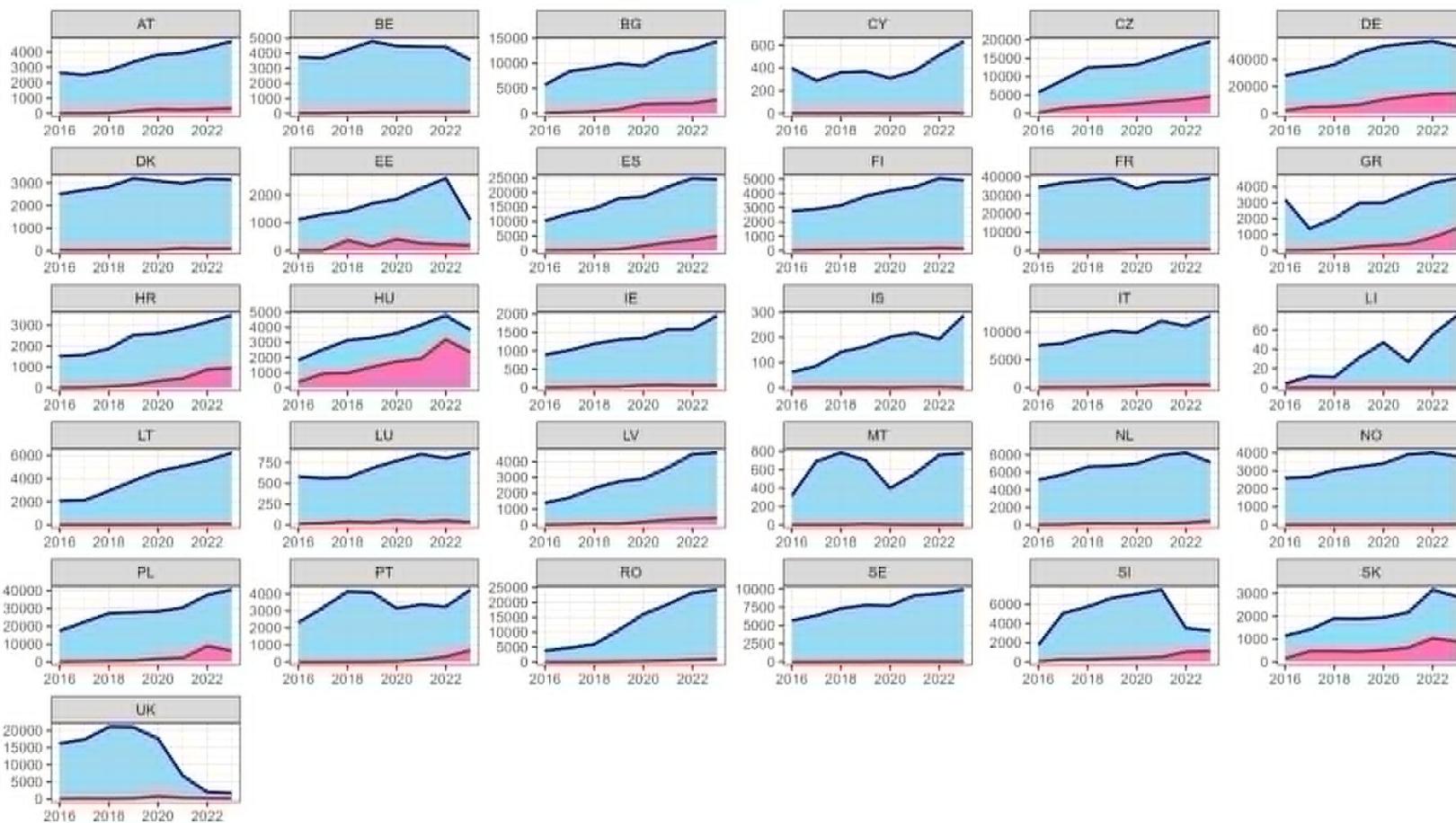
Duration of framework agreements



Contract modification

Contract modification activity

nr of CAN nr of MODIFICATION



Data for to

- eSenders
- Re-users
- Contracting authorities
- Economic operators
- Subcontractors
- Capacity organisations
- Central Purchasing Bodies
- Public Procurement Authorities
- Regulators
- Policy makers
- Courts
- Journalists
- Watchdogs
- Analysts
- Consultancy firms

- Analyse
- Decide
- Modify
- Develop
- Collect
- Save
- Retrieve
- Share
- Access
- Process
- Interpret
- Upload
- Aggregate
- Filter
- Visualise
- Clean

- Transform
- Protect
- Backup
- Encrypt

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“... because data needs a lot of care.”

Source: the Data, Data Song from the Lights OnData

Uploaded 14.11.2025. <https://www.youtube.com/watch?v=pVgceg2wYAQ>

Thank you for your attention!

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