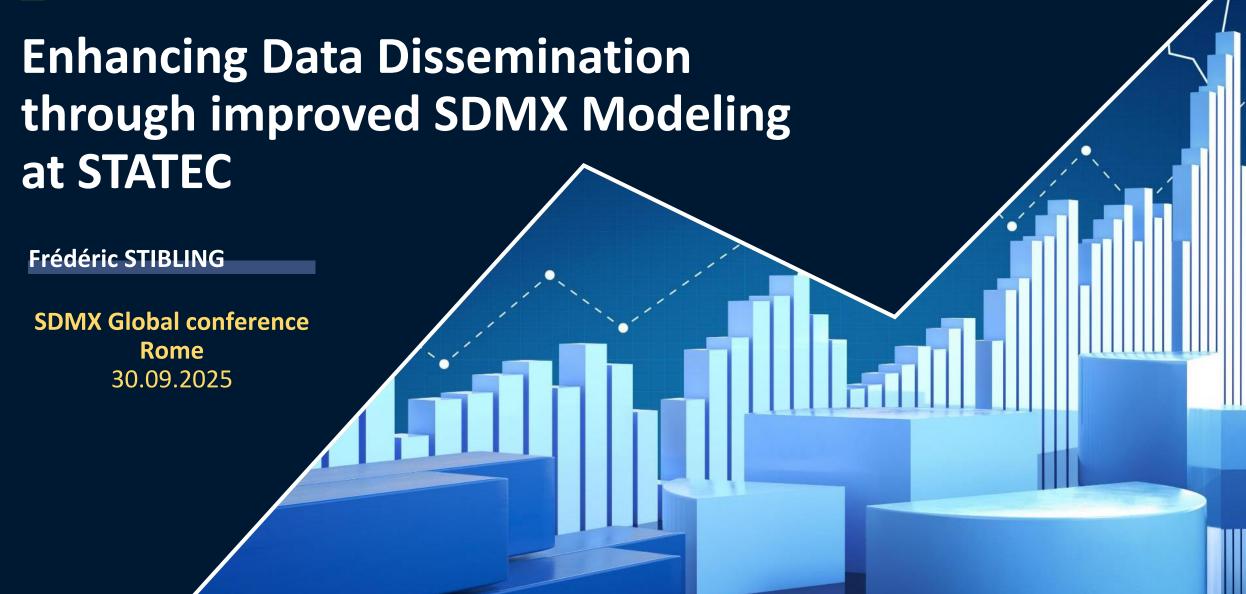
STATEC

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Agenda

- 1 Background and motivation
- 2 Organisation and collaboration
- 3 SDMX data modelling
- 4 Lessons learned and next steps

1

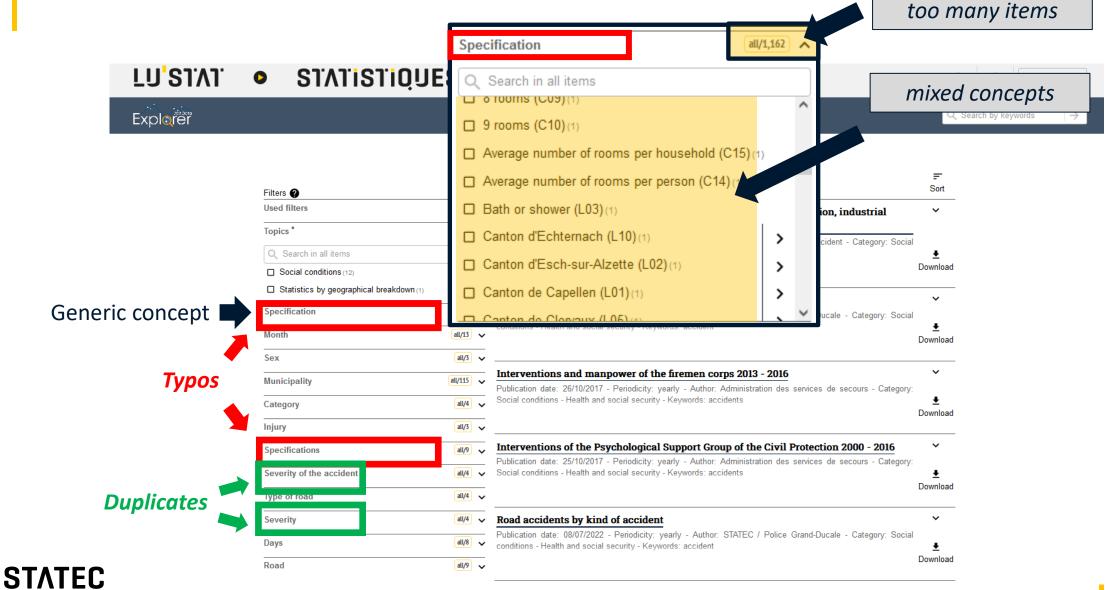
Background and motivation

Background and motivation

- Statec migrated to .STAT suite for data dissemination in March 2022
- Migration was needed because the previous tool became depreciated
- Urgency to migrate more than 650 tables in a short time
- Focus more on migration deadline than on modelling
- Bad modelling = bad user experience



Bad modelling = bad user experience



2

Organisation and collaboration



How to introduce SDMX good modelling practices in a small organisation?

- STATEC is a small structure (250 staff size)
- Business is already busy with daily tasks
- SDMX modelling has a certain entry cost
- Misunderstanding of the data modelling practice
- Is it really needed at STATEC?



Approach 1/2

- Setting up a horizontal team composed of :
 - an external SDMX expert
 - a dissemination manager,
 - under the supervision of a methodology expert
 - a chief information Officer
- Project management including regular reporting to higher management



Approach 2/2

- New approach with the business (production units)
- IT support : .STAT maintenance
- Technical assistance provided by OECD: regular workshops / ticketing tool





























III. Validation











3

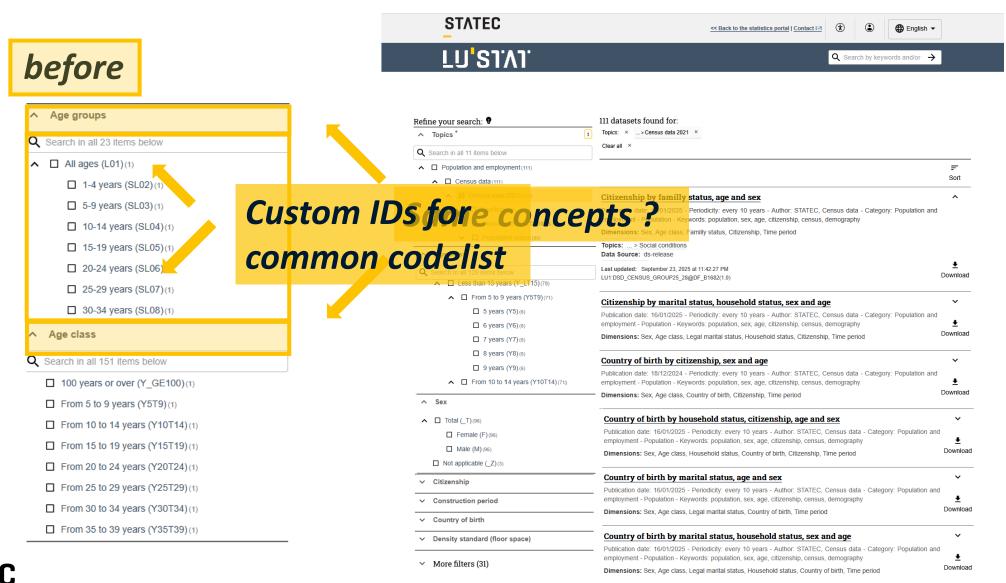
SDMX data modelling



Example: Census data 2021

- Input from business, shaped from EU Census requirement
- 111 dataflows / 10 DSDs / content constraints
- +/- 40 concepts (incl. commons) / +/- 30 CLs (re-used and new)

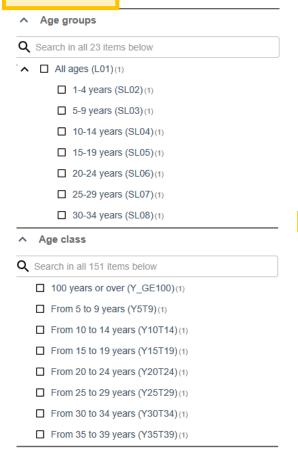




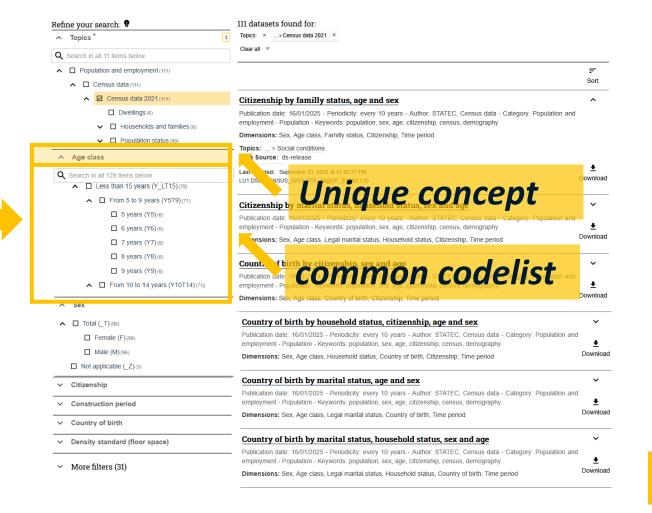




After



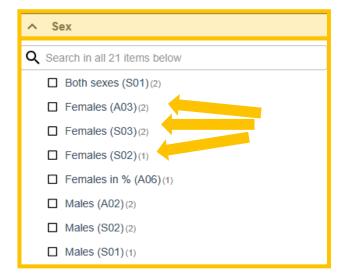


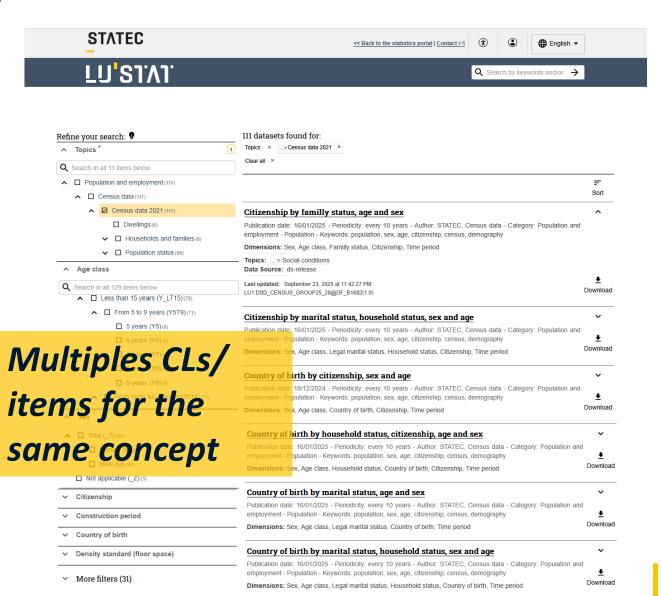




Same for SEX

before





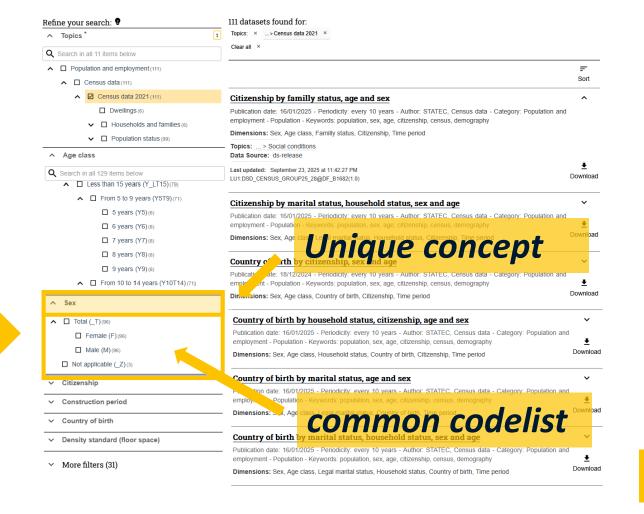




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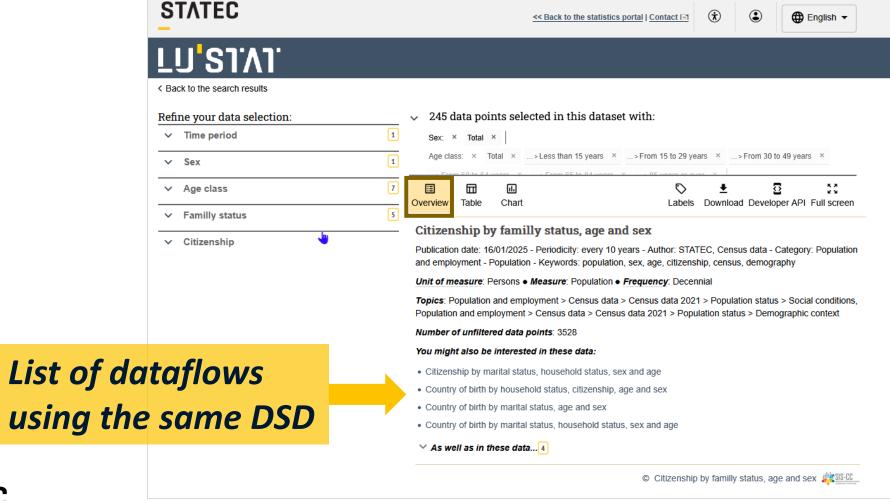












4

Lessons learned and next steps



Lessons learned

- Lack of experience with modelling
- Need for technical assistance and sharing of knowledge
- Challenge to manage cross-domain artefacts (Code Lists, concepts)
- Need for internal guidelines for designing and maintaining artefacts
- Business better understands added value of modelling
- Importance of IT / OECD support to solve technical issues
- Long-term effort to improve modelling of all data flows
- Need to adapt to future developments of the .STAT suite
- Centralised vs decentralised organisation of the modelling

Next steps

- Finalise current modelling project (around 50% completion rate)
- Bring SDMX modelling practices to the other national authorities that disseminate statistical data in our database
- Integrate SDMX into STATEC's new data strategy under development
- Explore and implement more advanced AI-driven search capabilities based on SDMX



STATEC

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Thank you!



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