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Modelling Microdata in SDMX

SDMX Global Conference

Rome

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on behalf of the CWG Task Force on Microdata and SDMX

Cross-Working Groups
Task Force on Microdata

‼️ **The WHY**

- Enabling seamless (standard-based) **exchange of microdata**

- Foster **interoperability**

- Proving SDMX as a standard for **any data**

🎯 **The WHAT**

- **Guideline on microdata** modelling with SDMX

- Based on **real-world use cases** and challenges

- Identify **remaining issues** in terminology, tools, SDMX standard

👨‍👩‍👧 **The WHO**

- **Broad participation** from NSIs, NCBs, International Organisations

*Sample artefacts
(work in progress)*

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🎯 **The WHAT**

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Step by step modelling guide	Challenges	Annex: Issues
• 8 steps to success	• How to...?	• Terminology • Standard • Tools
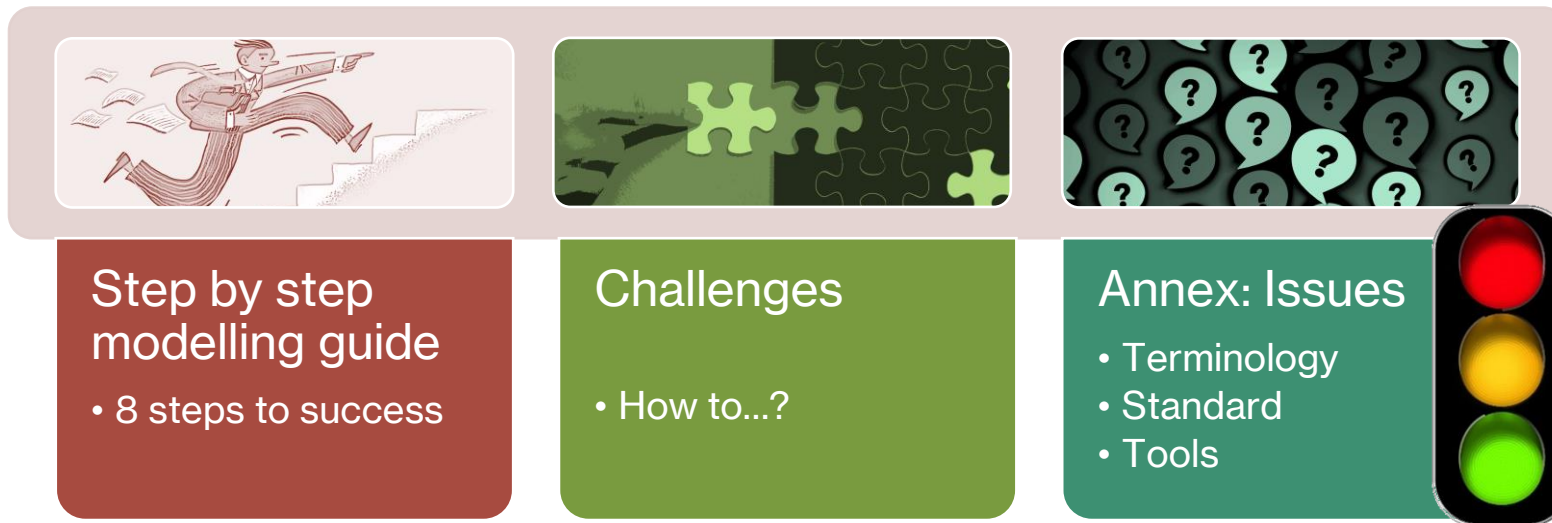
Real gap

Workaround possible

All good

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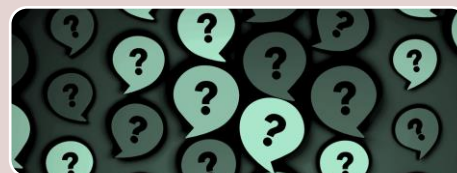**8 steps to success**

Step by step
modelling guide

Step by step
modelling guide
• 8 steps to success

Challenges
• How to...?

Annex: Issues
• Terminology
• Standard
• Tools

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Step by step modelling guide

8 steps to success

1	Entities (≈Units)	5	Representation
2	Identifiers	6	Transformation relationships
3	Relationships	7	Data exchange requirements
4	Variables	8	Reference metadata

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Step by step modelling guide

8 steps to success

1	Entities (≈Units)	**5**	Representation
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Main points found so far

Challenges

Issues

Good news: no blocking issue

Main discussion: **terminology**
Statistics ↔ **SDMX** ↔ Modelling

Dimension ↔ Primary key
Relationships
Attribute → multiple measures
…
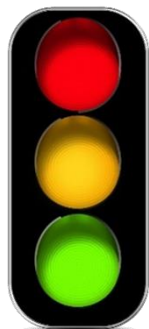
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🎯 The WHAT

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Sample artefacts (work in progress)

⛳ The WHAT NEXT

- ✅ **done** 👪 CWG: **Document** use cases, modelling challenges, gaps

- 📦 **todo** 👪 CWG: **Distribute** draft guideline document & 📅 consultation

- Standard gaps ⚙️**TWG** ↔ 👪 **CWG** ↔ 📖**SWG** terminology gaps

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