UCC Implementation and Adoption

- **Data Harmonisation**
- **Reuse**
- **Customisation**
- **Collaboration**

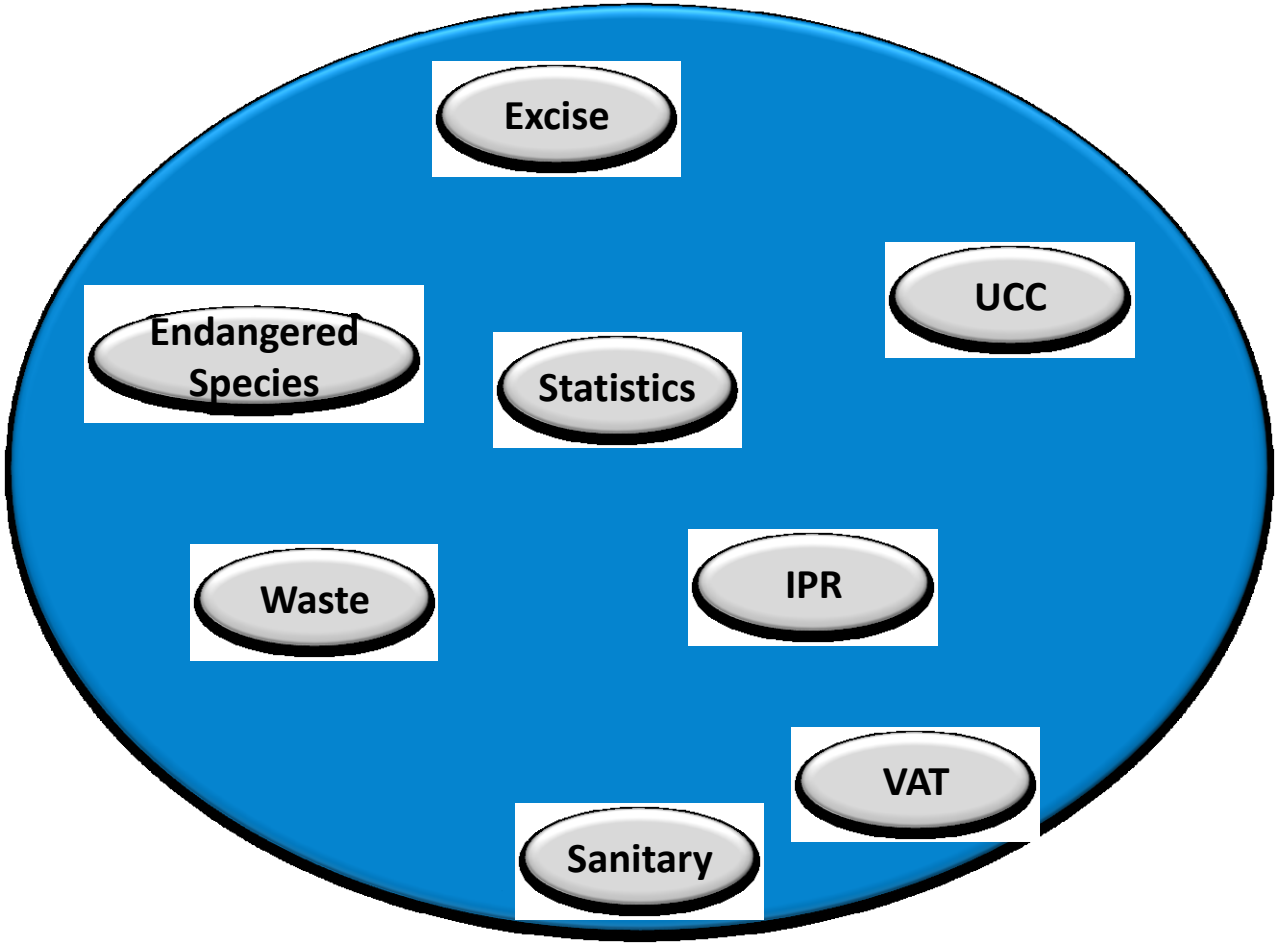
Note: This is a vision paper, solely expressing the private vision of the author

Questions and comments: michael.dill@gefeg.com

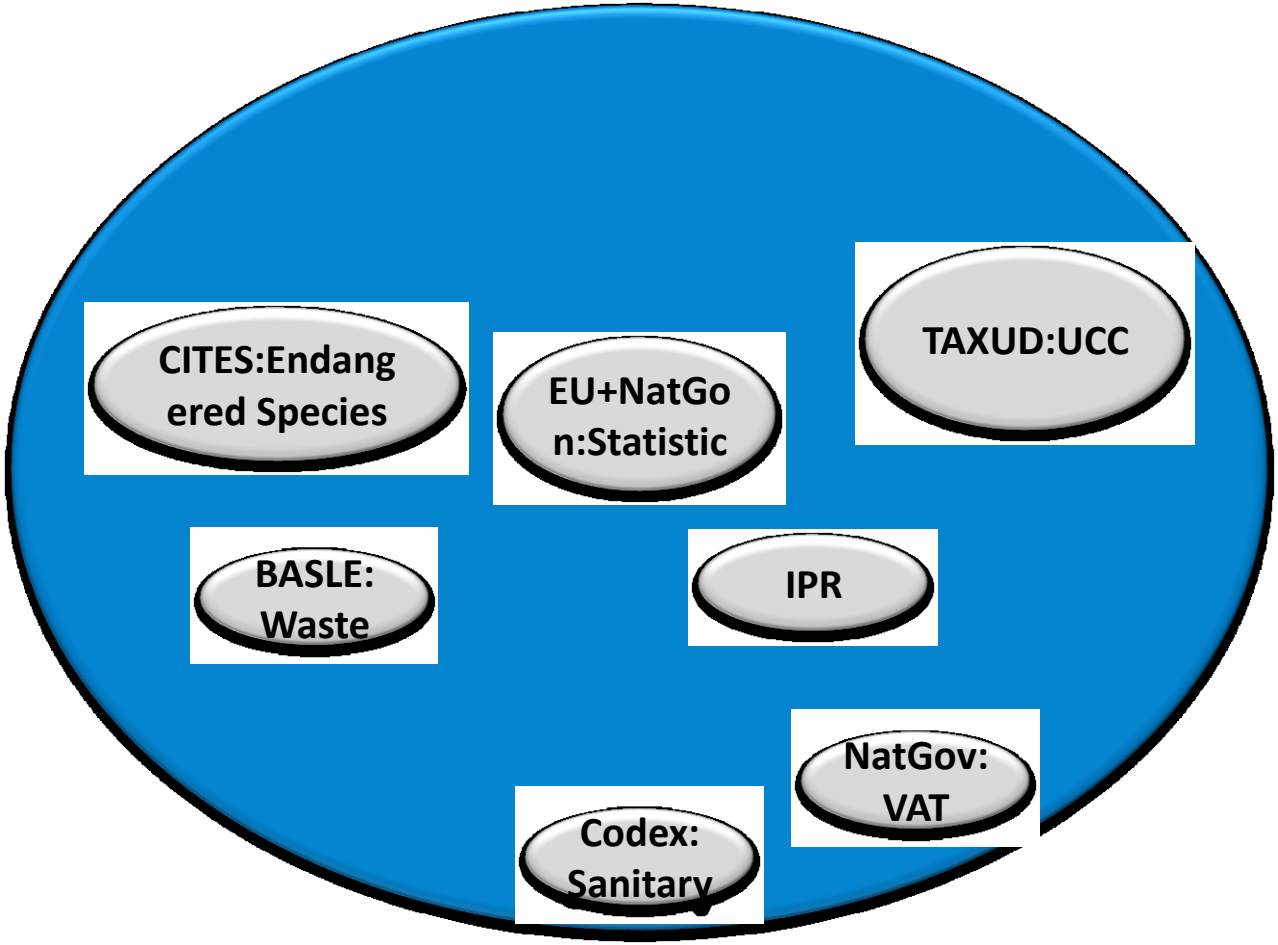
The Vision: UCC Metadata Supply Chain

- Establish a seamless and agile flow of metadata across TAXUD sectors and from TAXUD to Member States
- Achieve lower costs, higher speed and quality through reuse, customization and collaboration across the TAXUD sectors, Member States and traders

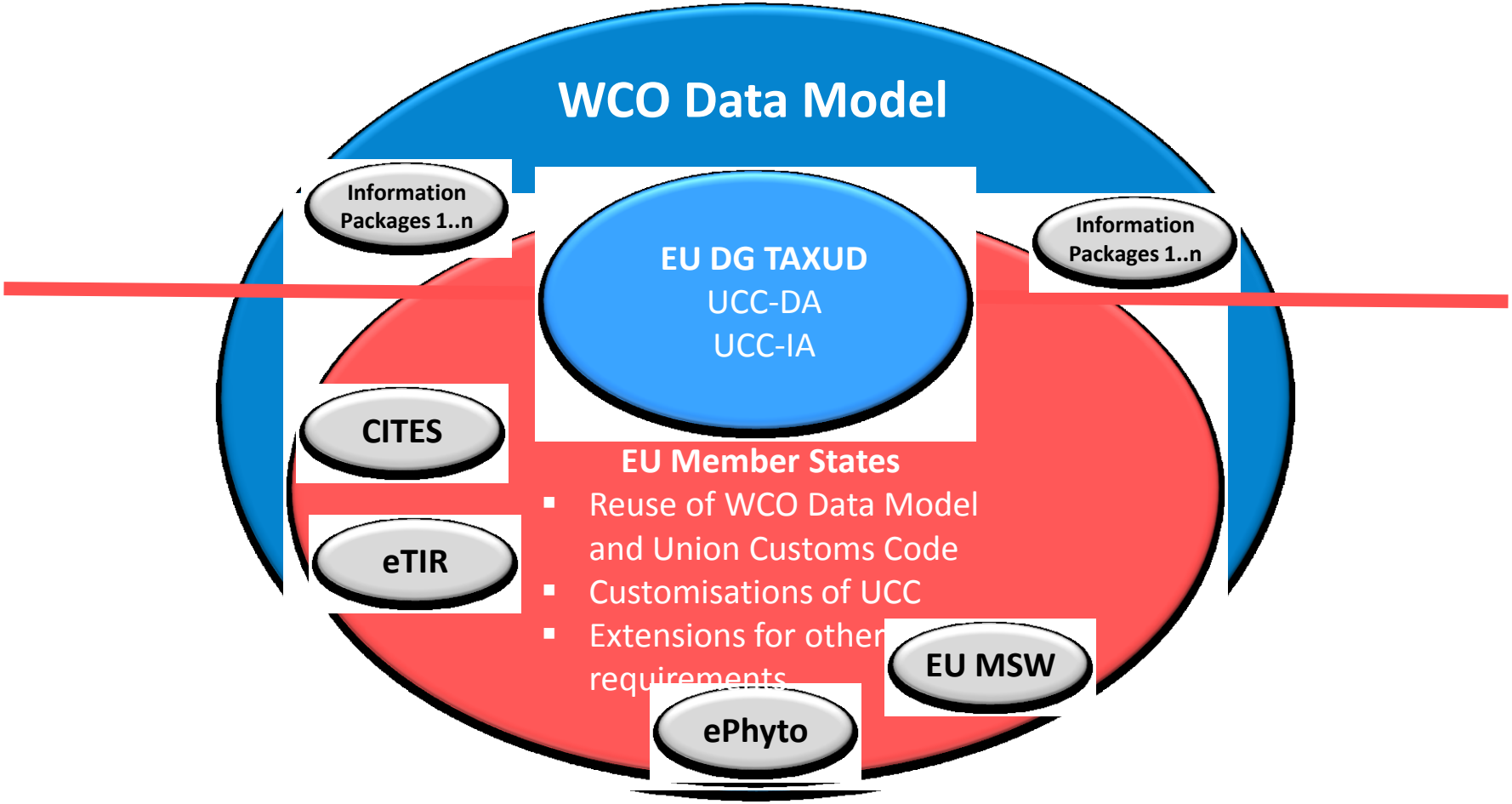
Issue statement: EU Member States must implement requirements such as from:



Many requirements are ruled from outside Customs legislation:



The collaboration solution: MS reuse WCO Data Model + customize and extend the Union Customs Code



UCC Development Stages

Stage 1: Legal Requirements Model	**Now UCC Annexes can be produced from a single source**
Stage 2: Mappings to WCO Data Model	**Transformation of the legal requirements into document structures via re-use and customization of the WCO Data Model (UCC Information Package)** ▪ Auto-generation of document structure publications for both single documents and their supersets. ▪ Auto-generation of XML schema following either WCO XML schema design rules or another concept **The WCO DM with its richness serves as a reservoir for future TAXUD and Member State enhancements.**

UCC Development Stages

Stage 3: Reuse by Member States

Member States reuse the UCC Information Package to:

- Cover their requirements beyond the UCC by extending the UCC profile of the WCO Declaration Information Package but still based on wider WCO Data Model
- Auto-generate their extended XML schema

The exchange interfaces of all Member States which follow the same XML design will be technically interoperable.

Even, if the Member States just use the same modeling approach, the EU superset of all used data and their structures can be generated automatically.

Then the government side would have the same level of data alignment as major companies already do.

GEFEG

Seamless and Agile

Why Seamless?

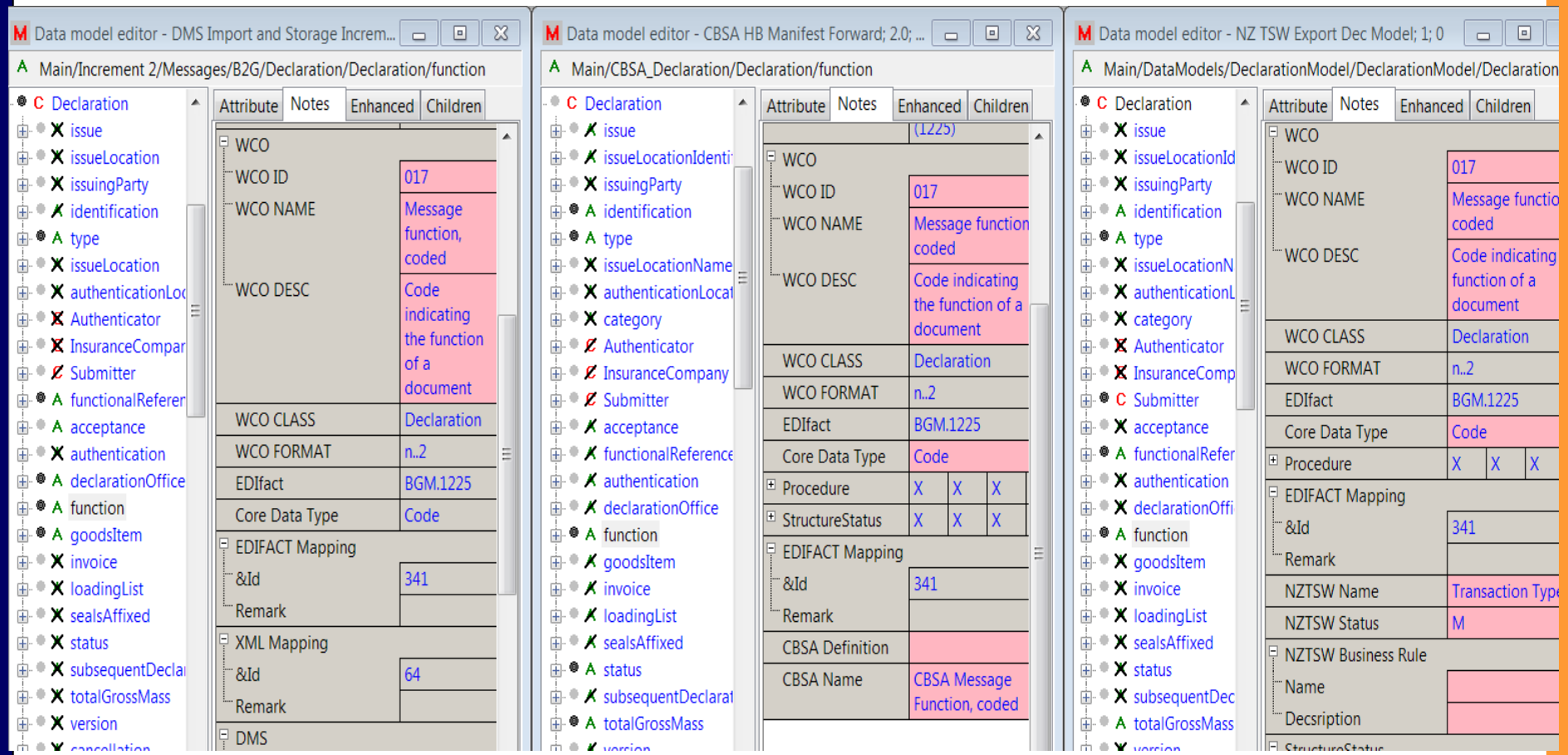
- Removal of manual data retyping
- Compliant reuses by partners through inheritance

Why Agile?

- Keeping up to date with evolving requirements, models, mappings and XML Schemas
- Supporting reusers to easily migrate to newer versions when they want to do it and without losing their investments.

Reuse by Countries contributes to interoperability

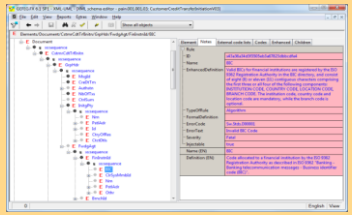
The Netherlands **Canada** **New Zealand**



GEFEG's Contribution

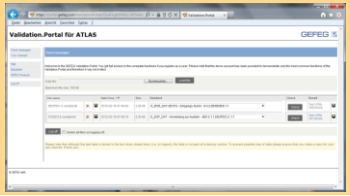
Collaborative Meta Data Development and Implementation Environment using

- **GEFEG.FX** for the development of data models, the transformation into document structures, the re-use and customization of the model, the auto-generation of publications, the auto-generation of XML schemas



- **GEFEG.DCF** for the shared development, publication and customization of compliant, interoperable data structures, including methods, know-how and the technical infrastructure of the collaborative development

- **GEFEG.Portal** for the publication, validation, rollout support and collaboration with 24/7 availability



- **GEFEG.Services** in support of the development and publication tasks of TAXUD and the Member States, including consulting, training courses and workshops, collaboration support