

*Wifi:  
Auditorio  
2018pjlisboa*

**Ewout Boter**  
*Judicial Information  
Service, Netherlands*

*'e' meets Justice  
2-3 May, 2019  
Lisbon*



# Perspectives on collaboration

*Support by e-CODEX*

## Communities working together

- Each community uses its own vocabulary and terminology
- Different mindsets and cultures (legal, judicial, technical)
- No common ground
- Communication requires translation (and details 'get lost in translation')
- Rules often not easily accessible, but buried in regulations, process descriptions, etc.

## What should be done?

- Create a *common* vocabulary, shared between communities
- Natural language, instead of artificial language or technical notation
- Ambiguity of natural language should be avoided
- Explicitly express logic and knowledge that is currently hidden

## Standard already available

- *Semantics of Business Vocabulary and Business Rules* (SBVR)
- SBVR builds upon ISO standards (e.g. terminology science, common logic)
- Adopted standard of the Object Management Group (OMG), part of OMG's Model Driven Architecture approach
- SBVR allows the production of business vocabularies and rules; vocabulary plus rules constitute a shared domain model

## Concept model

- Establishes basis for communicating and for expressing domain knowledge
- Noun concepts: the things that are relevant in a domain  

Examples: competent court, court fee, claimant, defendant, order for payment
- Verb concepts: the links between the noun concepts ('what holds the things together')  

Example: court fee *is paid to* competent court, order for payment *is served to* defendant
- Creation of concept model should start as early as possible

## Basis for defining of business rules

- Combinations *noun concept - verb concept – noun concept* provide the scaffolding for formulating business rules

Example: A court fee *must be paid* to a competent court *within 30 days*, An order for payment *must be served* to a defendant *through personal service*

- Business rules can be shared between communities
- Business rules can be used to inform users

Investigated in e-CODEX Plus Activity 8

- RuleSpeak suggested as method for business rule notation

## Result

- Using a common domain model will help to bridge the gap between the communities

Communities share 'one truth'

- Business rules can separate process *flow* from process *logic*

- Traceability will improve

For example from regulation to implementation