



e-CODEX

e-Justice Communication via Online Data Exchange

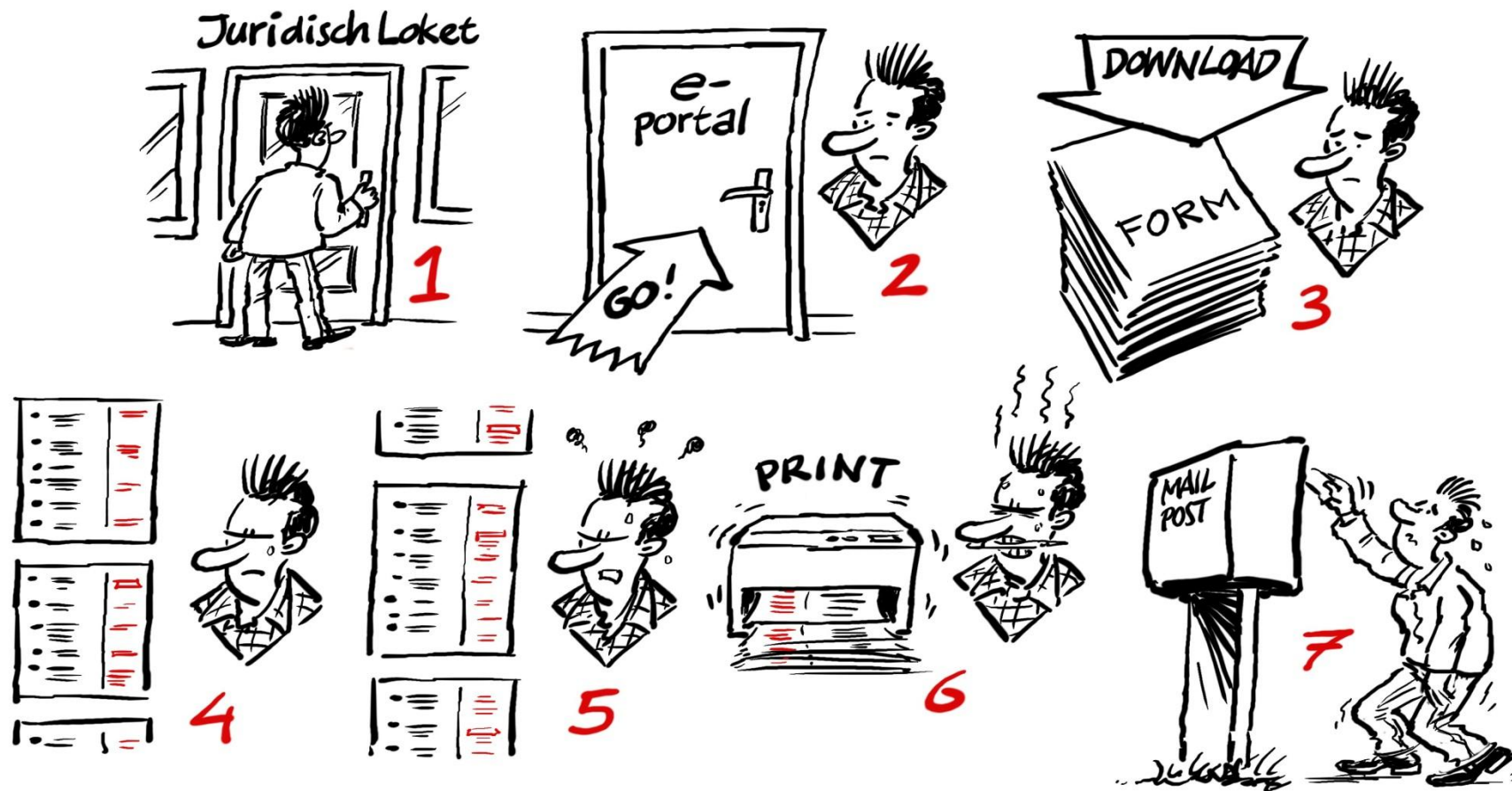
Semantic interoperability for e-Justice procedures

IMOLA seminar: Madrid, April 4 2014

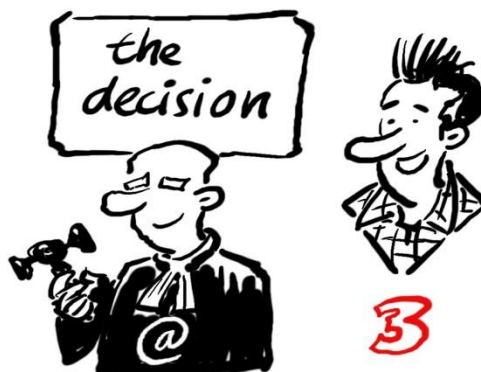
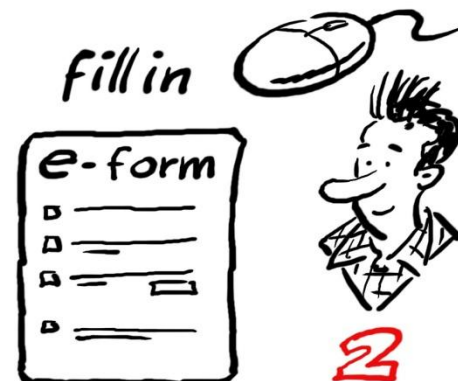
Ernst Steigenga



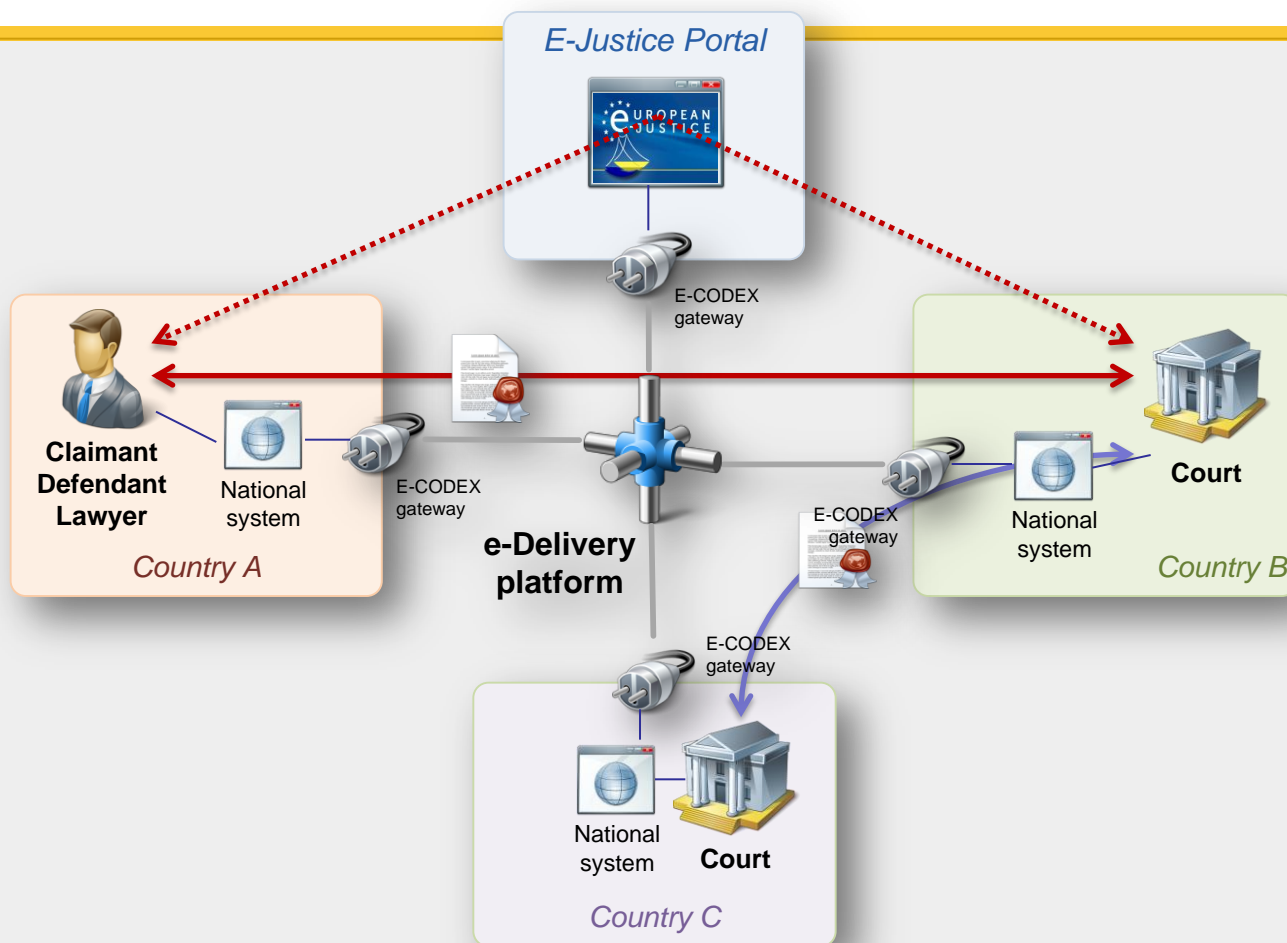
From



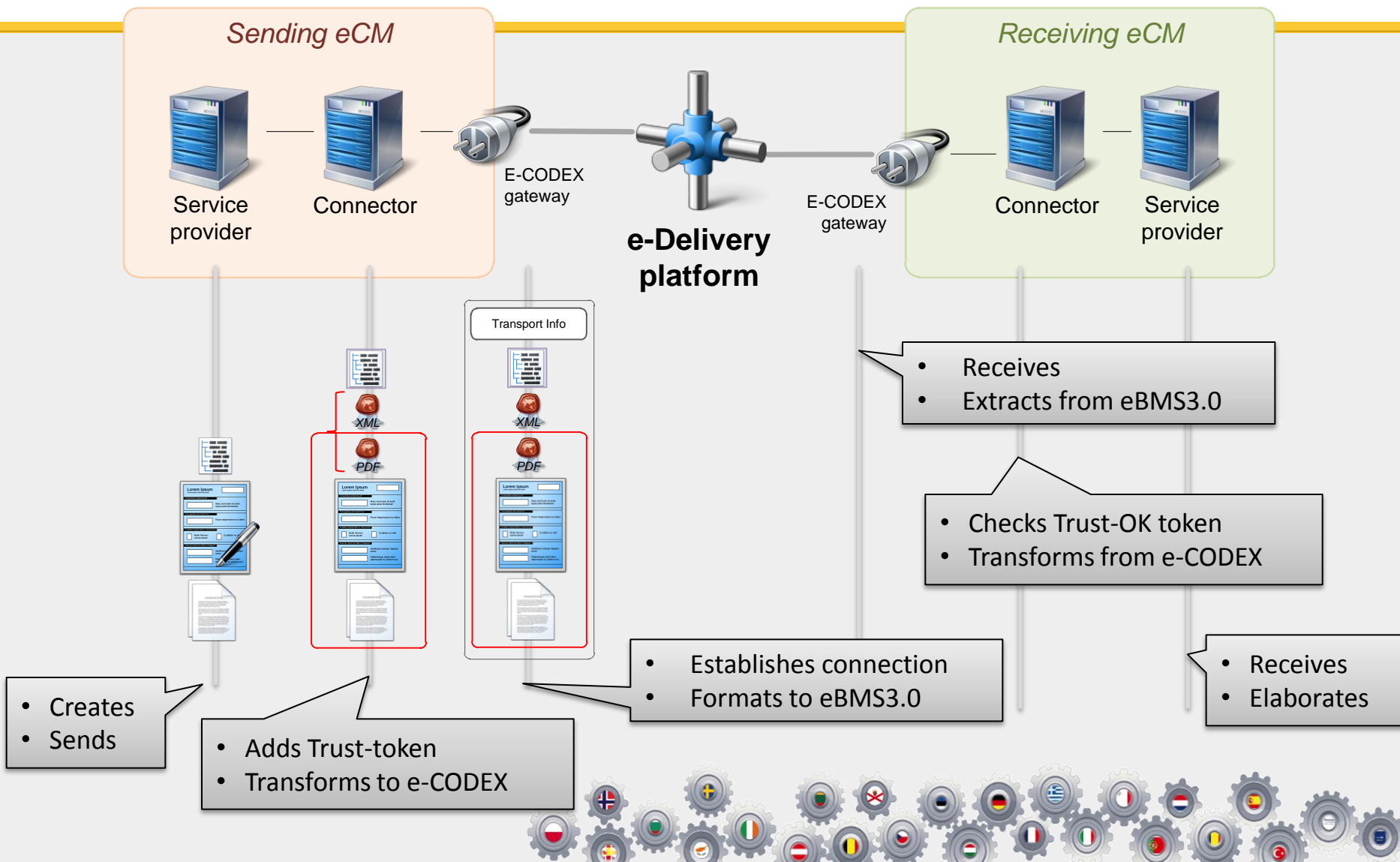
To



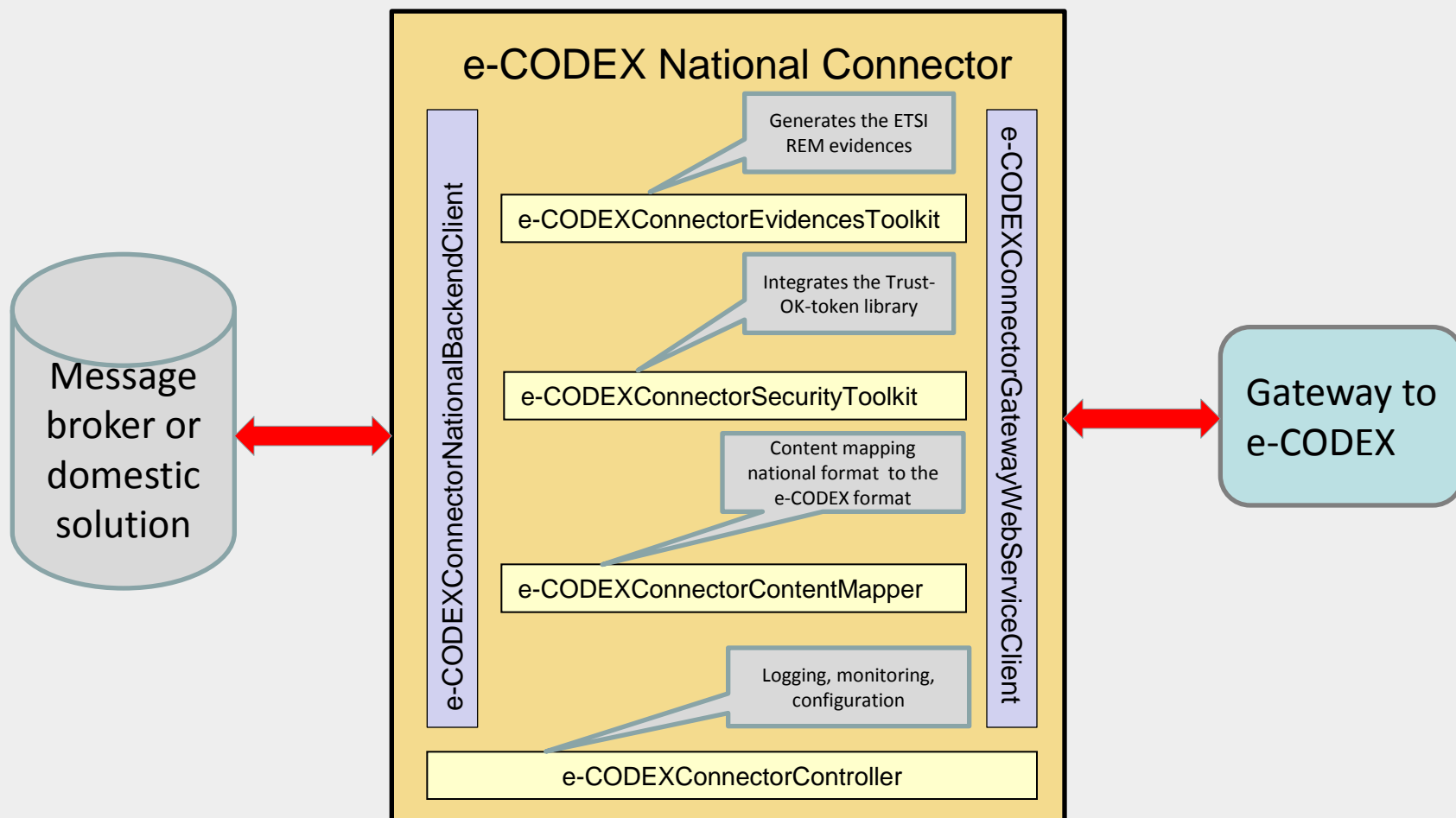
The “big picture”



The basic flow: steps and envelopes



e-CODEX connection



Short term strategy: Use case centric approach



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Use Case = business process = service

Legal Procedure

Registers

e-Document

Use case centric
approach

CCTS repository

XSD

unstructured
payload

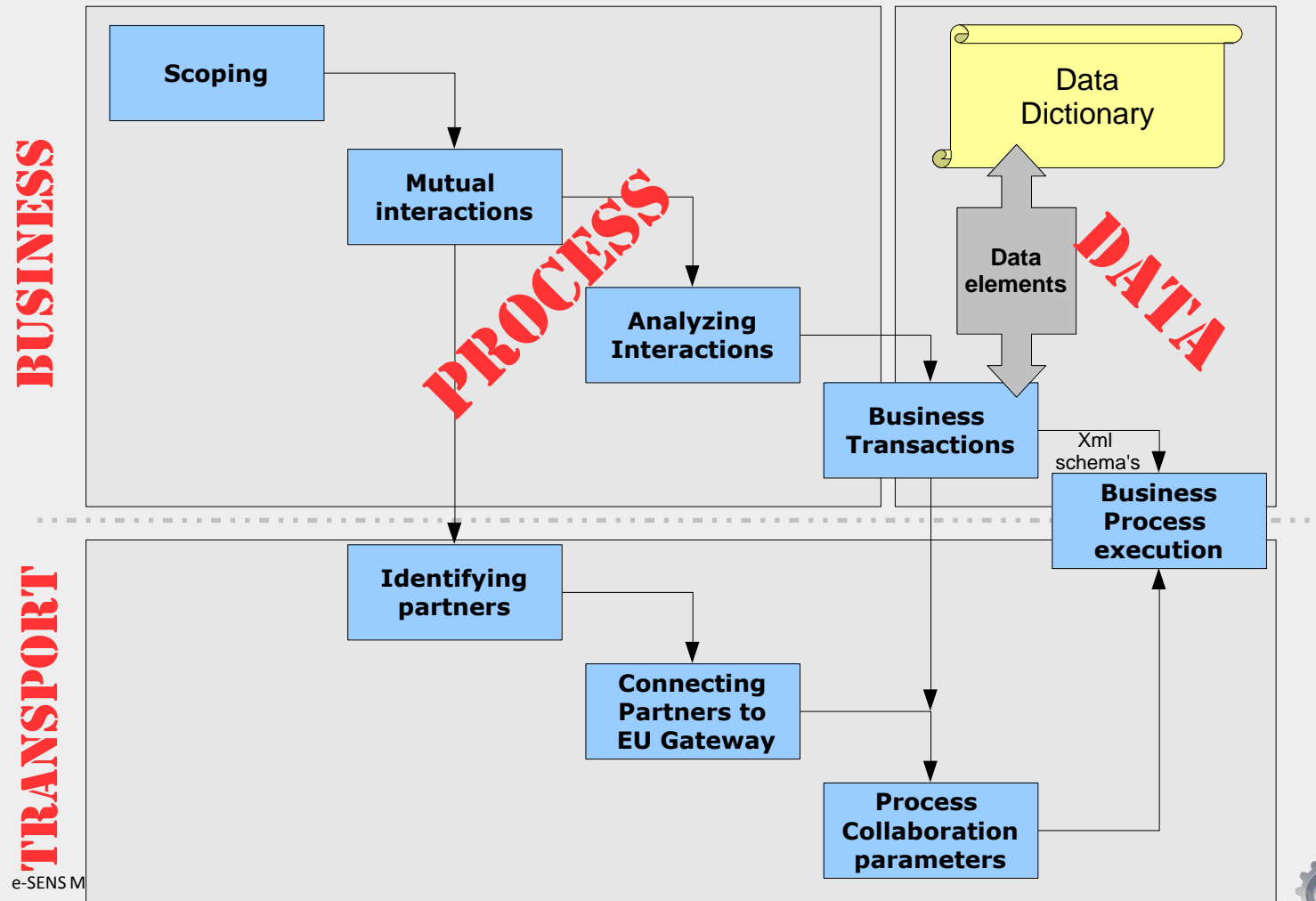
e-Delivery

p-modes
(Process Collaboration Parameters)

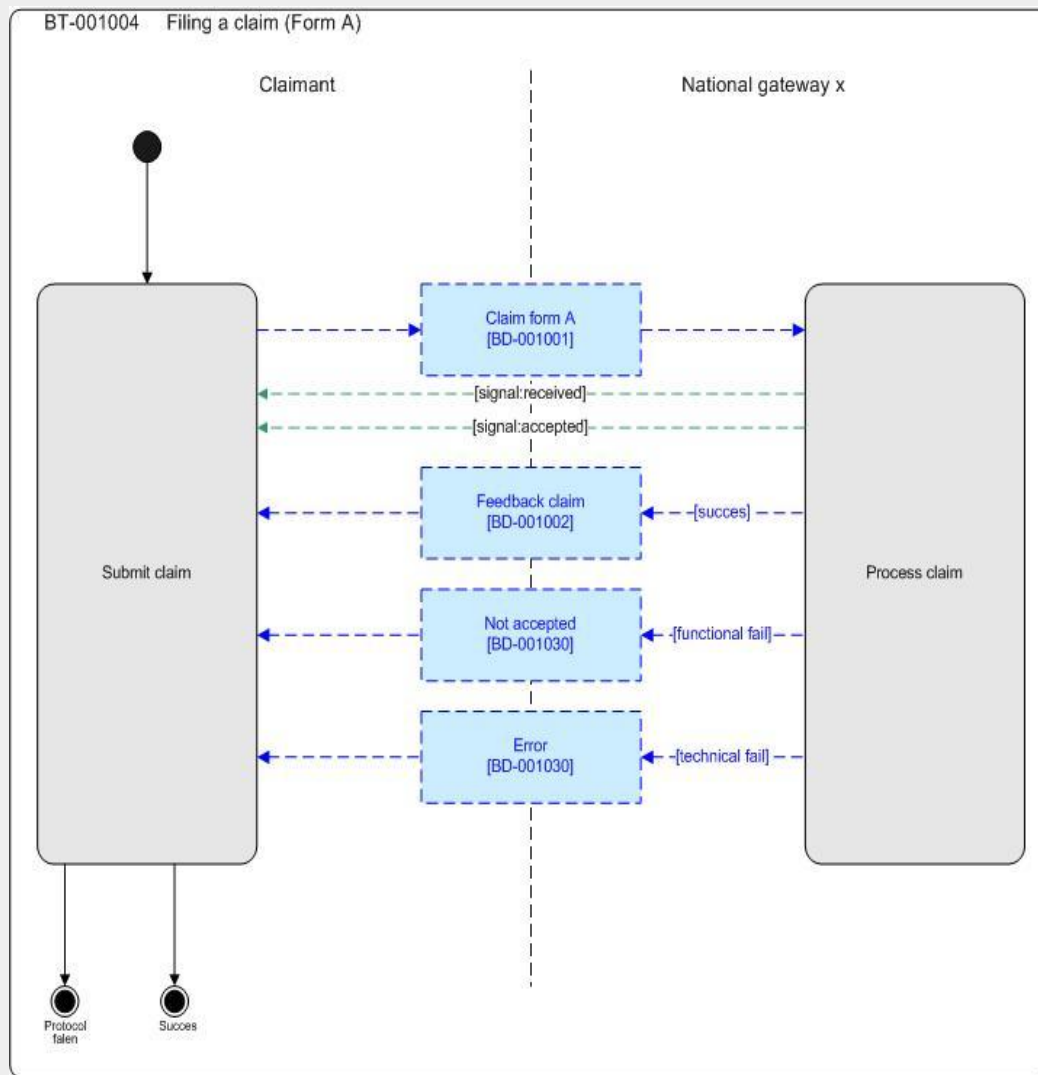
SBDH



Proces analysis



Outcome process analysis

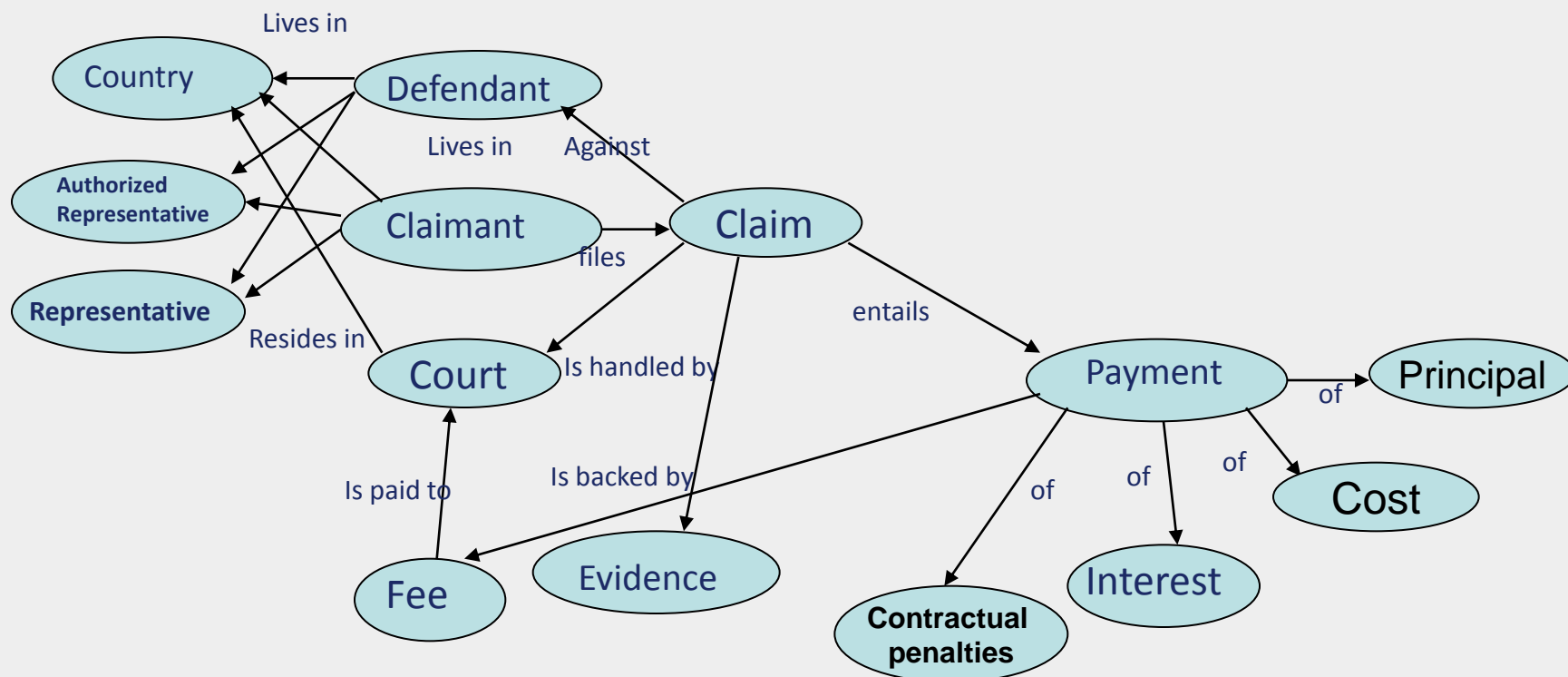


Business Document BD-001001

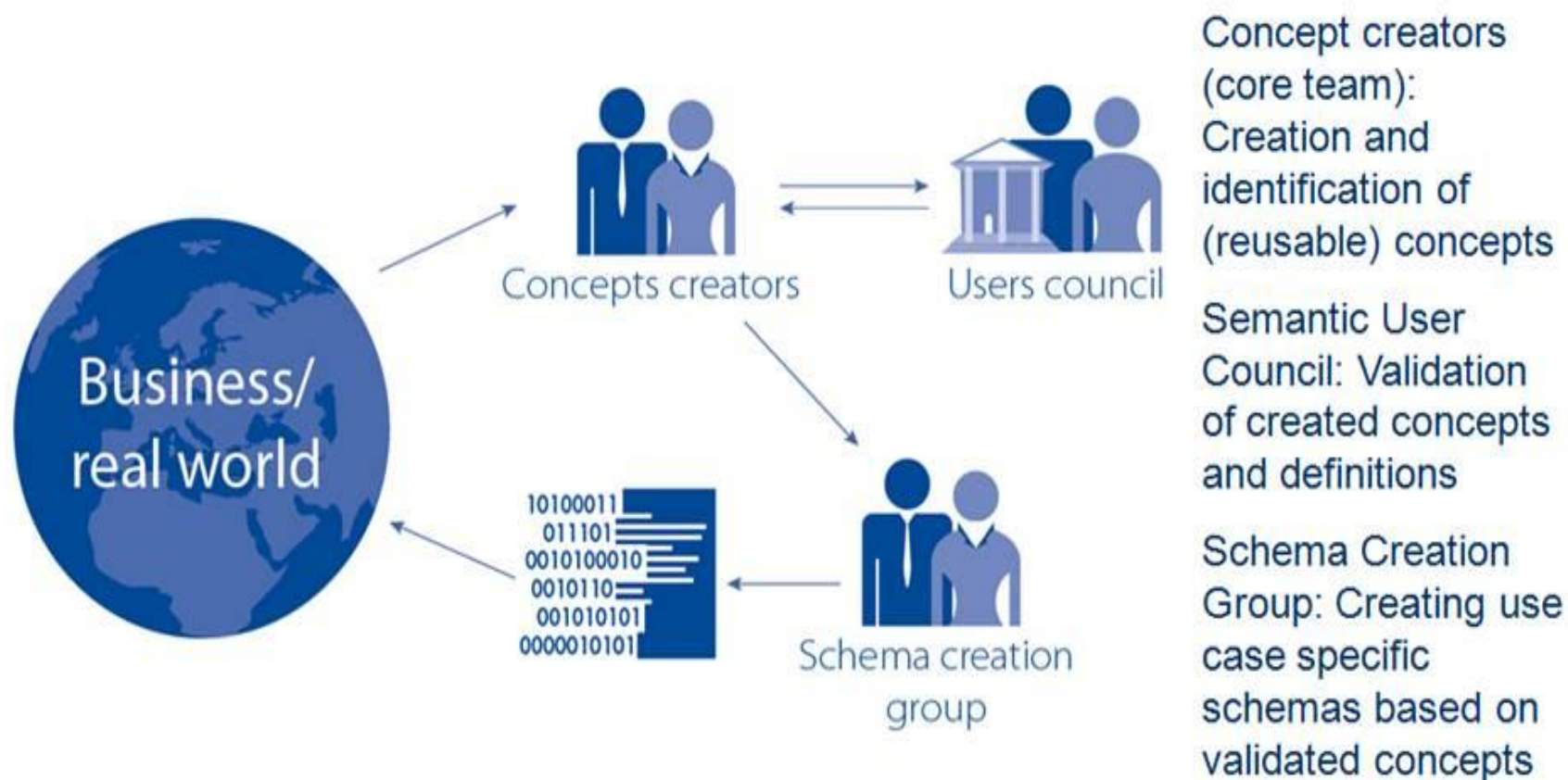
contains at least:

- Timings
- Attachments
- Signature
- Languages
- Addresses
- Parties involved and their roles
- E- return address
- Case types and numbers

Example identified concepts from EPO



Who does it?



Long Term Strategy



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Key findings year 1 e-CODEX WP6

- ⚙️ All legislation seems to define its own semantics
- ⚙️ Contradictions in legal semantics do exist: WP6 has to overcome these contradictions
 - ⚙️ Basic legal concepts like 'claimant', 'defendant', 'legal representation', 'decision' and 'court' have to be analyzed and modeled for each use case
- ⚙️ Legal systems differ from Member State to Member State



Long Term Strategy II



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The LTS on semantics consists of four pillars:

1. Governance model
2. Core Legal Concepts
3. Semantic interoperability is deployed through a Domain and Document Model
4. Naming convention for the unique identification of concepts and forms.



Core Legal Concepts

Directly identified concept from narrative	Deduced concept from narrative	Core Vocabulary	Core Legal Concept (no status)
Franz von Liebenfels	Claimant	Person	Litigant
Car rental company Rental Car	Defendant	Business	Litigant
	Dispute		Dispute
Claim	Claim (document carrying legal action)		
	Claim (legal action)		Legal Action
Court			Court



Contact e-CODEX

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Thank You!

