Ministry of Economic Affairs

Standards to boost interoperable cross border trade

EU Fresh Info Forum
Digital supply chain

Frans van Diepen
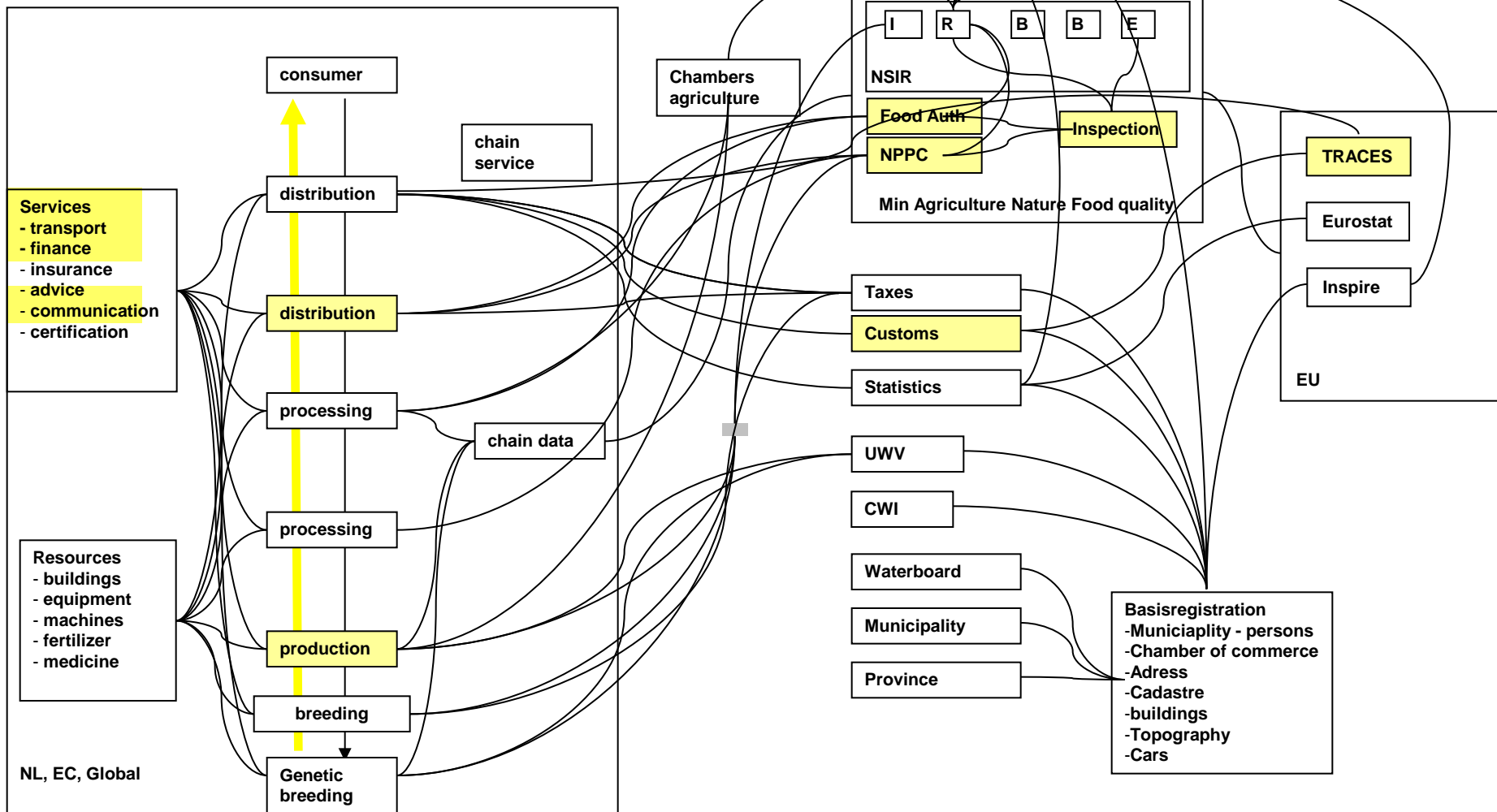
Outline

- Agriculture business environment

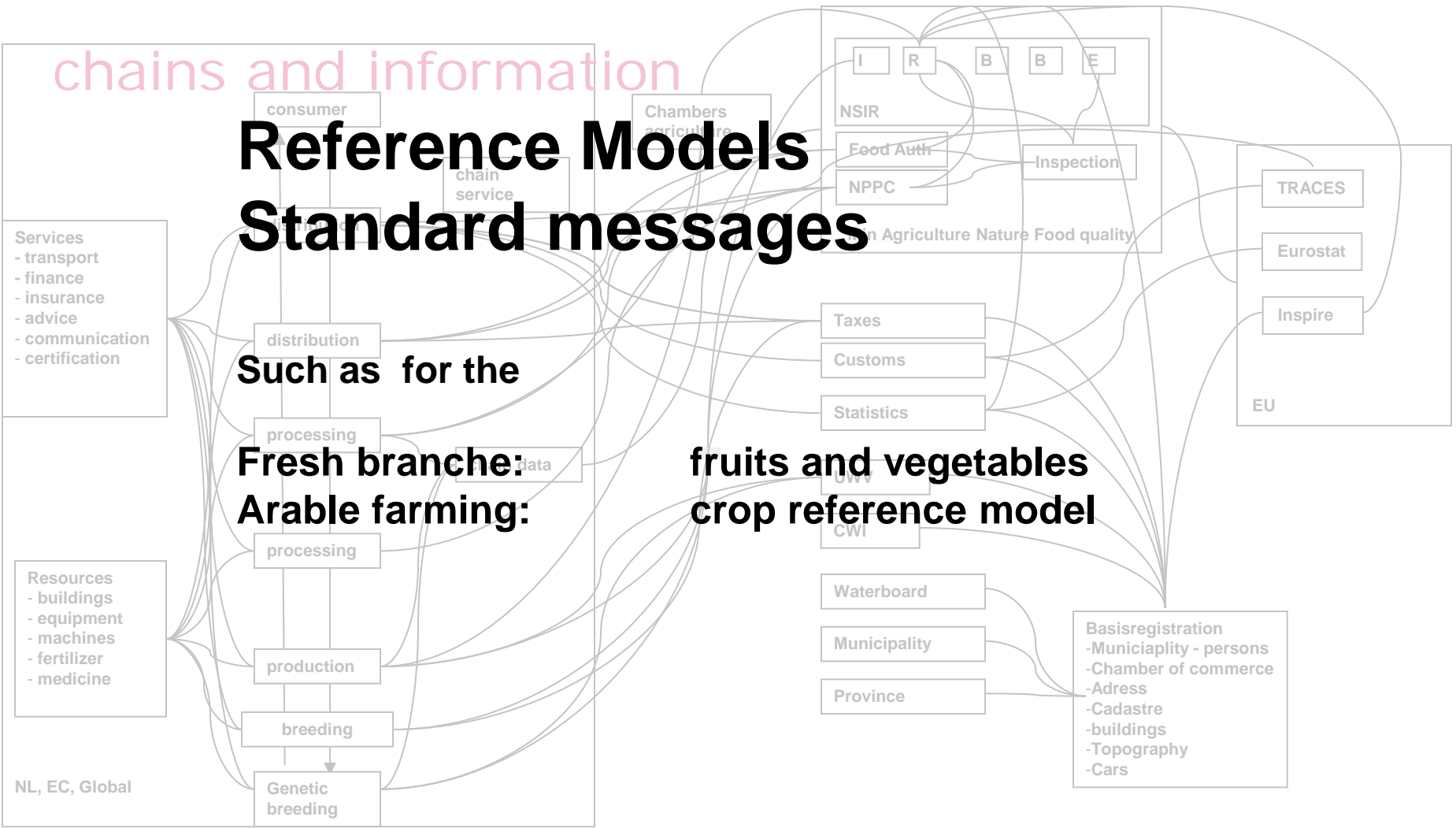- Situation messages, identification and coding

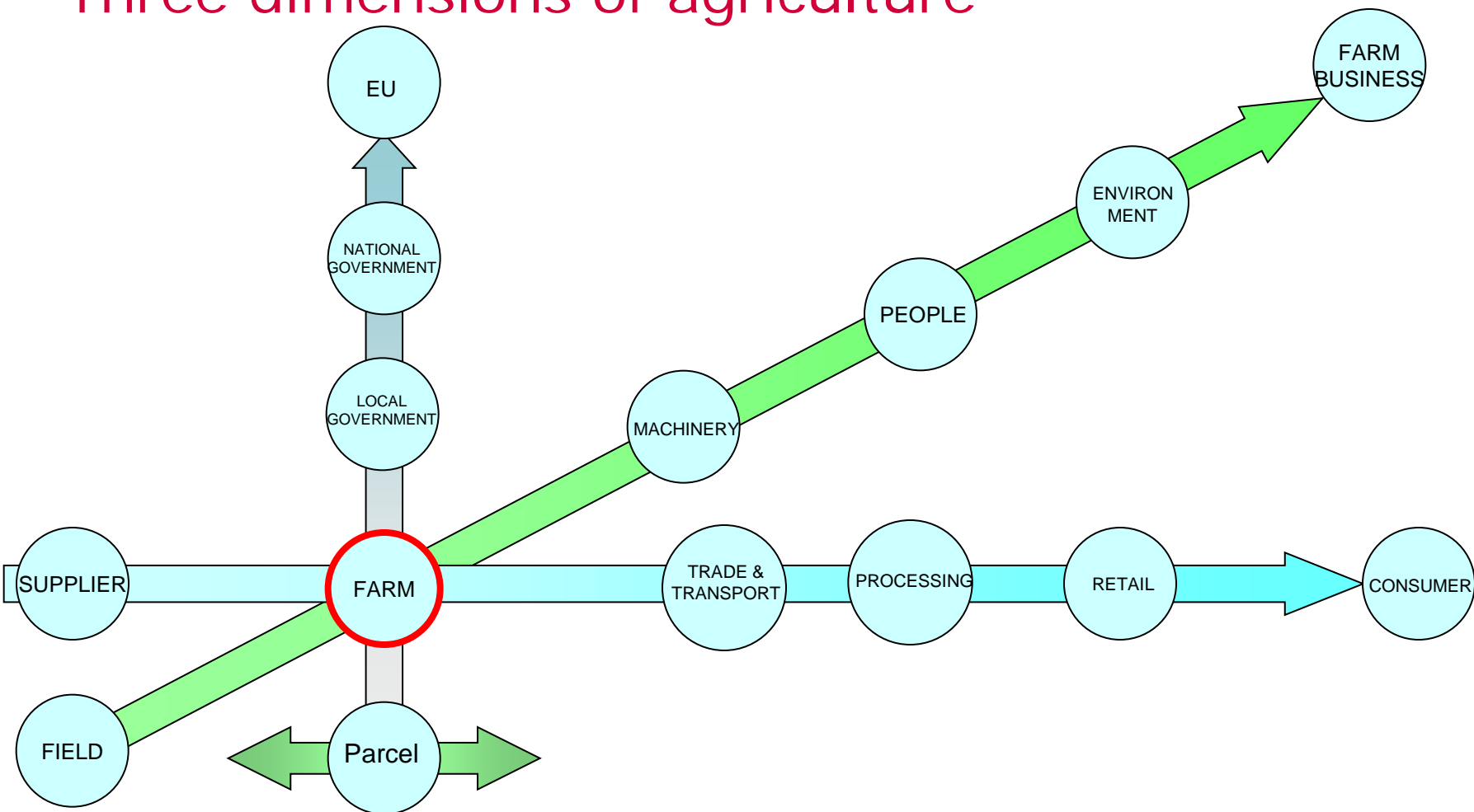- Proces

- Opportunity

chains and information

Reference Models
Standard messages

chains and information

consumer

chain service

Chambers agriculture

Services
- transport
- finance
- insurance
- advice
- communication
- certification

distribution

processing

processing

production

breeding

Genetic breeding

Resources
- buildings
- equipment
- machines
- fertilizer
- medicine

NL, EC, Global

Such as for the

Fresh branche: **fruits and vegetables**
Arable farming: **crop reference model**

I   R   B   B   E

NSIR

Food Auth

NPPC

Inspection

Agriculture Nature Food quality

Taxes

Customs

Statistics

data

UWV

CWI

Waterboard

Municipality

Province

TRACES

Eurostat

Inspire

EU

Basisregistration
-Municiaplity - persons
-Chamber of commerce
-Adress
-Cadastre
-buildings
-Topography
-Cars

Three dimensions of agriculture

arable farming – electronic messages

EAN   GS1

E-daplos

eLABs

AgroXML   EDI-Crop

SUPPLIER — FARM — TRADE & TRANSPORT — PROCESSING — RETAIL — CONSUMER

Spatial info

arable farming data

FIELD

GML

KML

...

FARM

MACHINERY

ISO 11783
ISOBUS
task controller
XML

...

PEOPLE

vCard

FOAF

XMeld

...

ENVIRON MENT
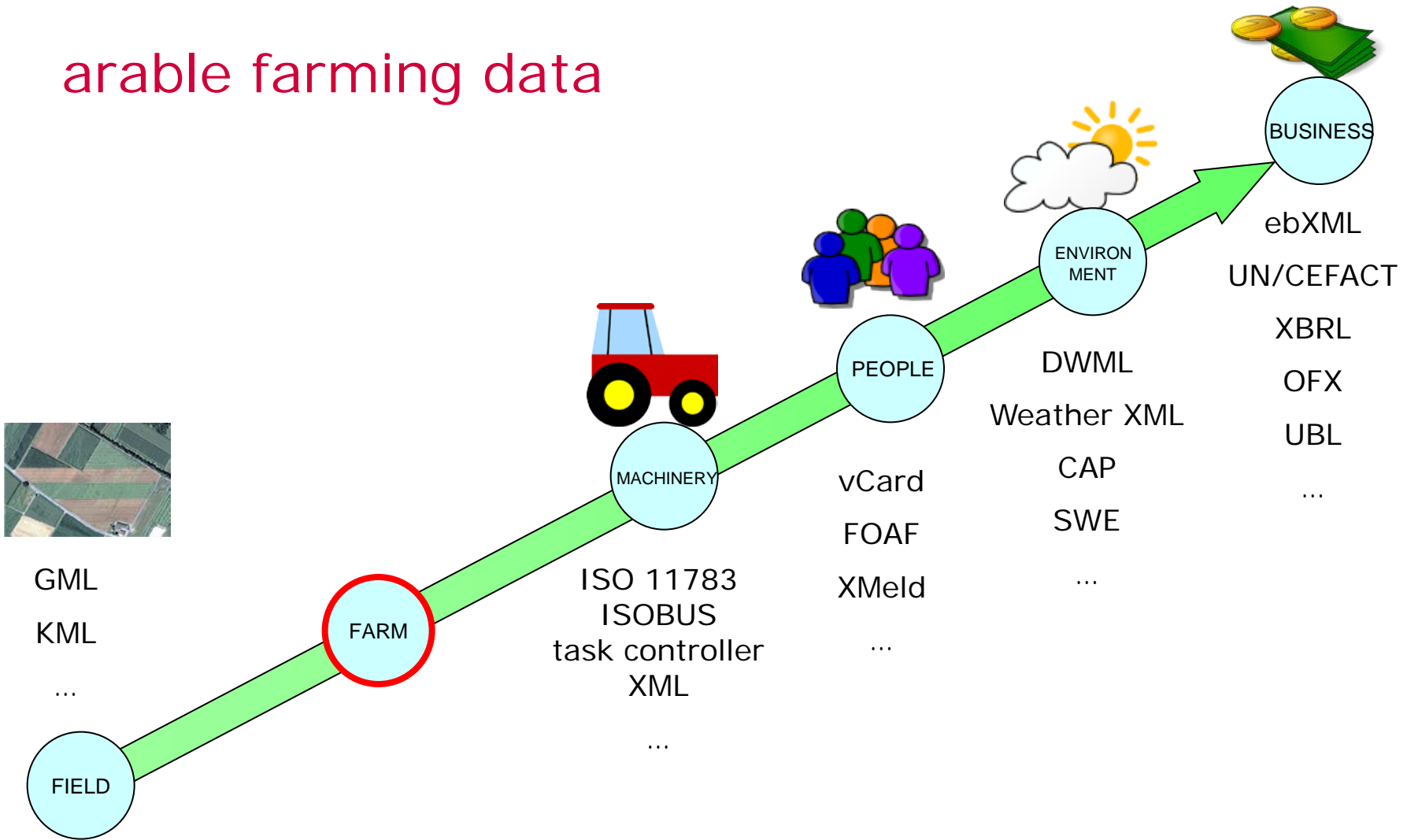
DWML

Weather XML

CAP

SWE

...

BUSINESS

ebXML

UN/CEFACT

XBRL

OFX

UBL

...
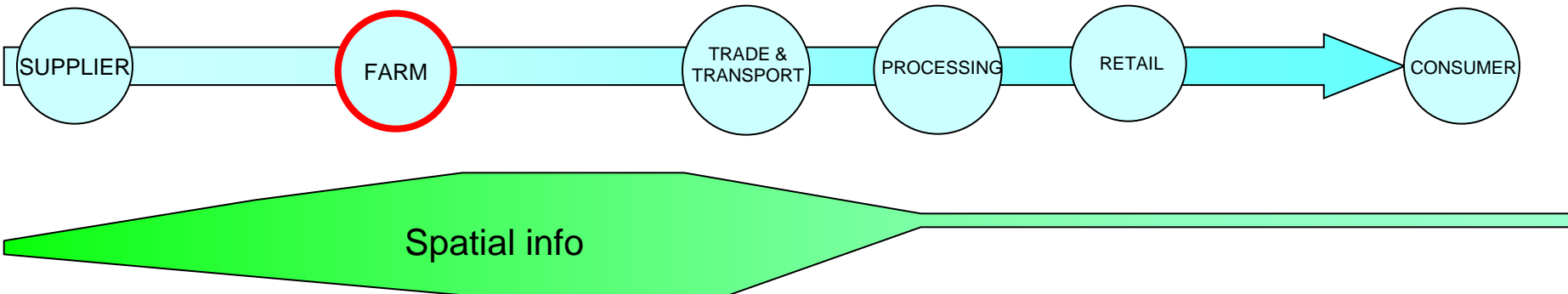
information for common agricultural policy

- explicitly required by EC CAP and other regulations,
- food safety,
- plant and animal heath
- import export certification
- pragmatically collected for every-day operation:

  – For business processes and tracebility
  – Supplier
     - Species/cultivars
     - Fertilizers/pesticides
     - Feed/pharmaceutical
  – Farm
     - Management data
     - Environmental/Sanitary activities
     - Growth/Yield data
     - Marketing
     - Multifunctionality
  – Food or product processor
     - Transport/distribution
     - Customer info
     - Consumer info

Spatial Info

EU

NATIONAL GOVERNMENT

LOCAL GOVERNMENT

FARM

Parcel
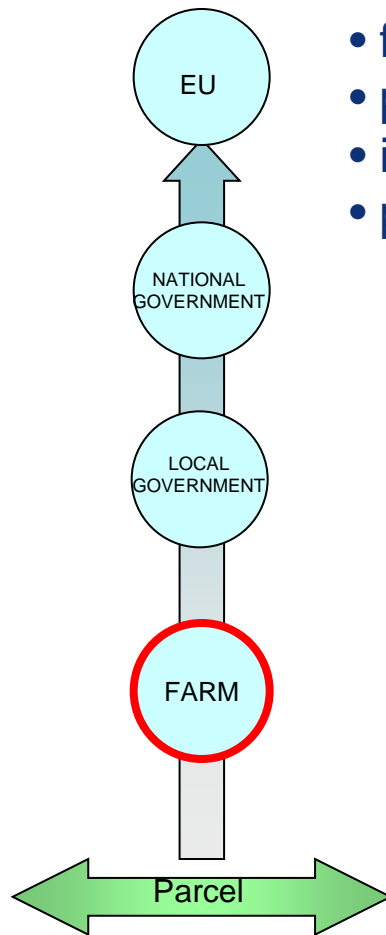
Situation Standard messages

Regulations

- Import - export   e-CERT
  Phyto   plant and seed, plant product, processed products
- CITES   toolkit e-message

Trade

- Product information   e-daplos, e-LABS, e-CROP, edi-CROP, Florecom, …
- Transaction   e-Invoice (GS1, Cross industry, …), Transport, dispatchnote….
- Transport   … …

Identification

Product identifier for Plants and Plant products
Batch identifiers

- VBN product name

- GTIN

- Linnaeus

- ...

Processed products & Combined products
- GTIN
- Batch id
- Item id

Transport
- Carrier ID
- Transport ID

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Standard product code list

- Codex alimantarius

- HS

- EU code under Council Directives 91/496/EEC and 97/78/EC
  - composite products
  - meat products
  - processed products
  - dairy products

- CITES codes   product, purpose, species …

- GPC

- Linnaeus

Standard location code

- UNLOCODE
- GLN
- ISO country and region code
- Adress
- *Geographical information (point, surface, …)*
- Certificate of Origin

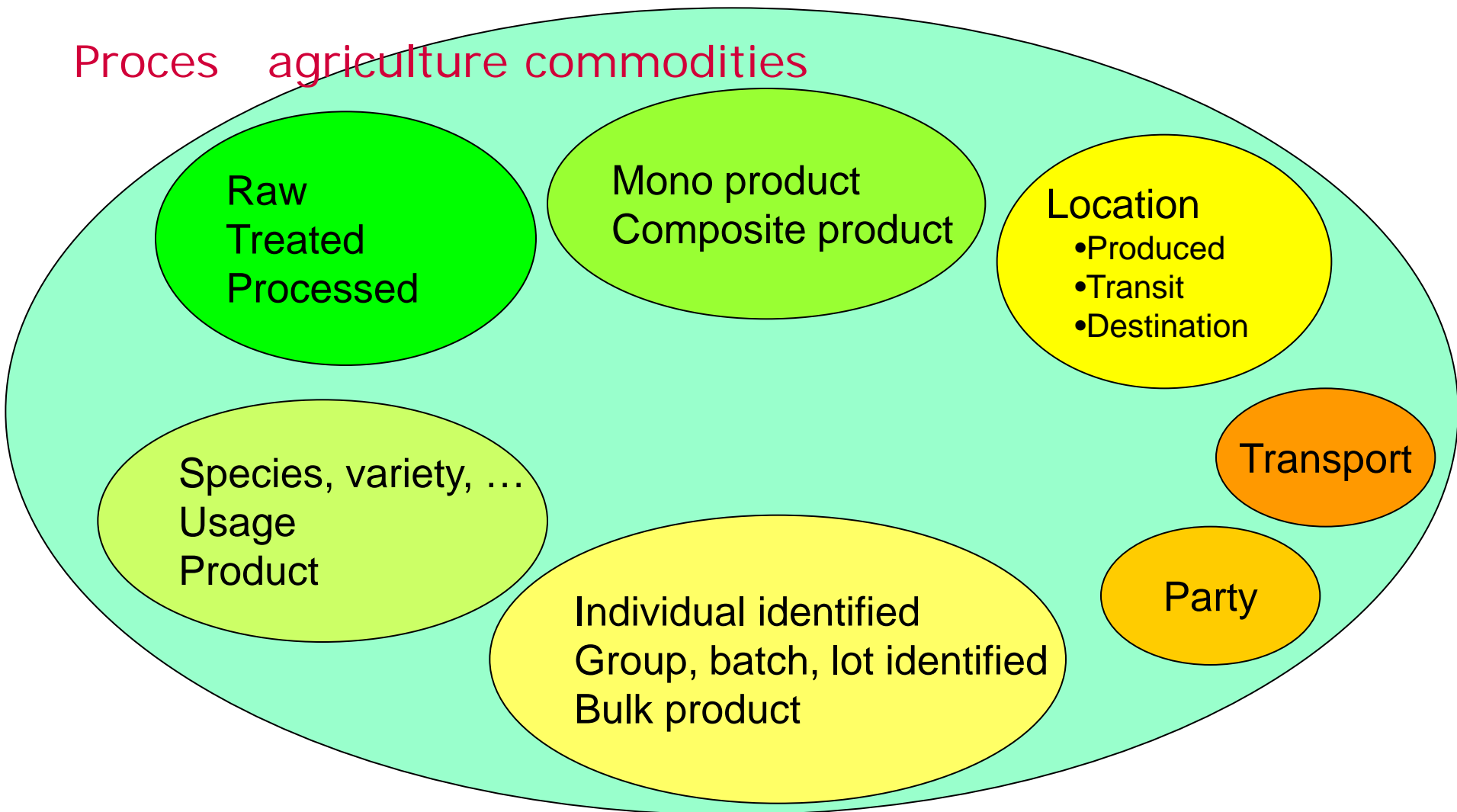Plant: grown, stored, processed

Product: produced, (transit, destination)

Transport: departure, stop over, destination, route

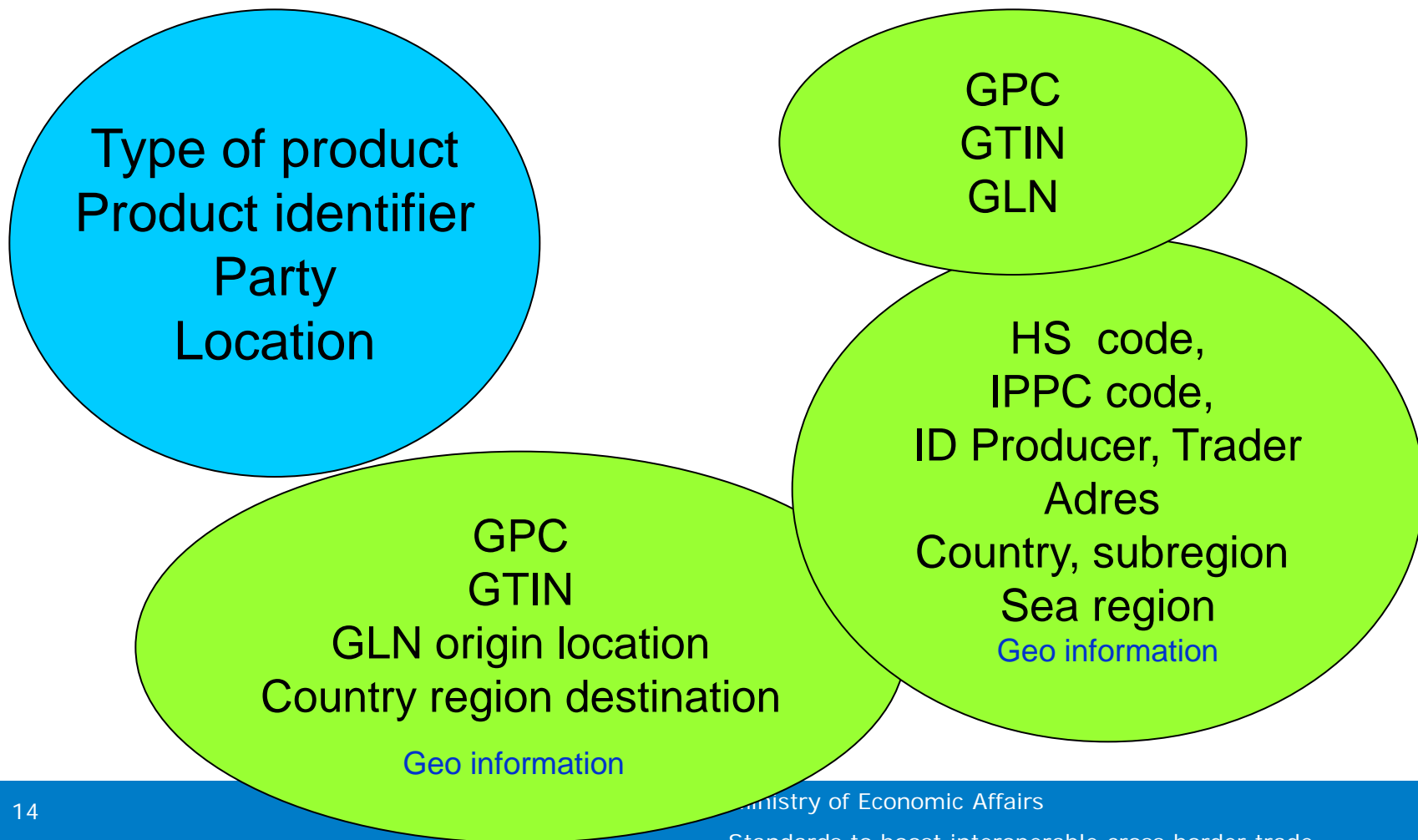# Proces   agriculture commodities

Raw
Treated
Processed

Mono product
Composite product

Location
•Produced
•Transit
•Destination

Species, variety, …
Usage
Product

Individual identified
Group, batch, lot identified
Bulk product

Transport

Party

Product code – identification – location

Type of product
Product identifier
Party
Location

GPC
GTIN
GLN

HS code,
IPPC code,
ID Producer, Trader
Adres
Country, subregion
Sea region
Geo information

GPC
GTIN
GLN origin location
Country region destination

Geo information

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Opportunity

Usage of product coding and identifiers for product, party and location:

- Risk management (sanitairy issues, health status, food safety)
- Inspection process
- Trade burden

- Single window approach
- Speed up of
        import / export process and border control
        trade and transport process

- NL Client system and inspection

Thank you,

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