



# **UN/CEFACT standards for Electronic information exchange**

**Tracking and tracing of animal and plant products**

# Results UN/CEFACT project

## Traceability of animal and plant products

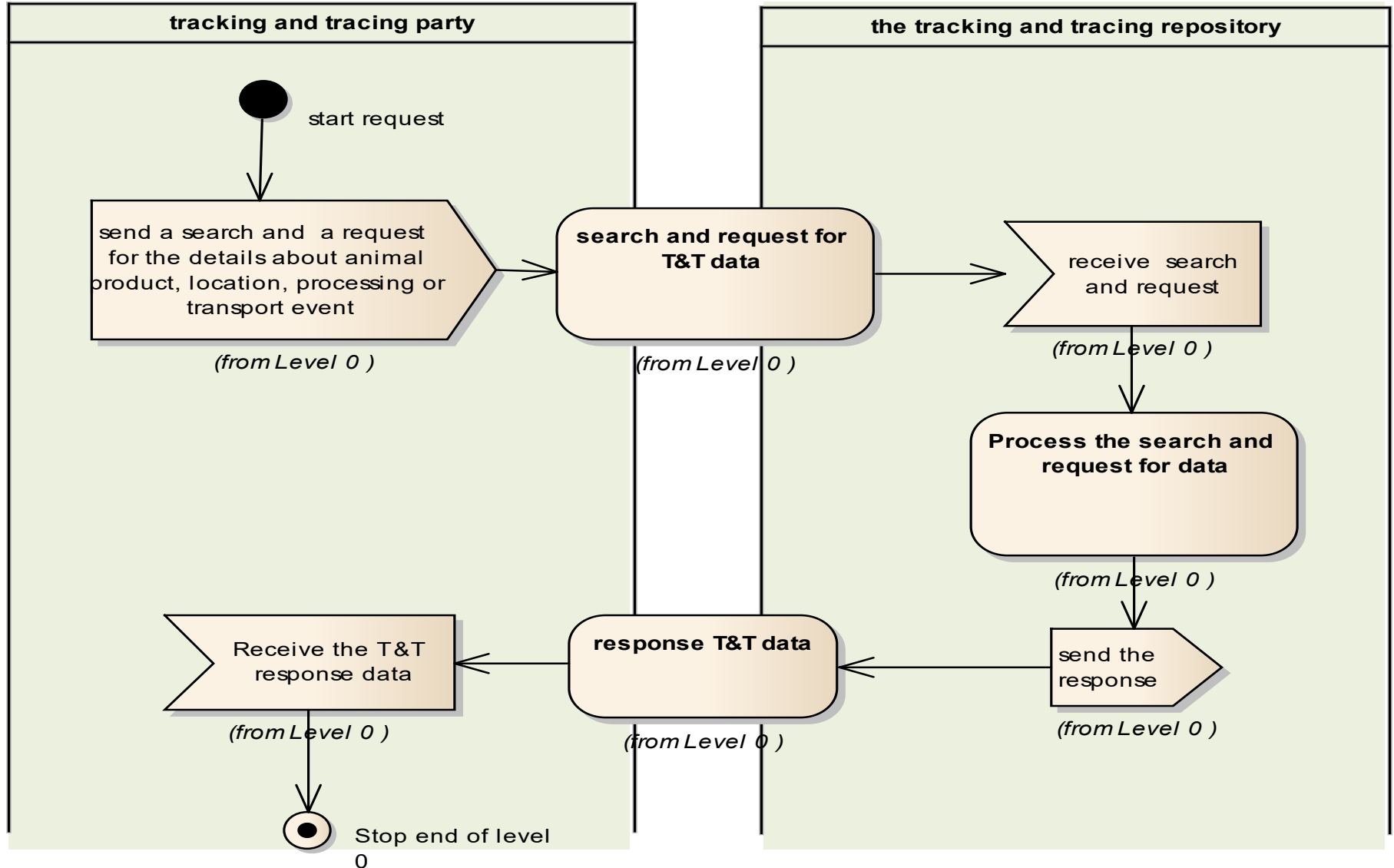
A generic model,  
structure and data  
formats

All traceability  
information fits in

All production  
chains

Implementation  
guides

# Activity diagram



# Track and Trace

## Event recording and data retrieving

**What** product ID and product type

**When** read and recording date time

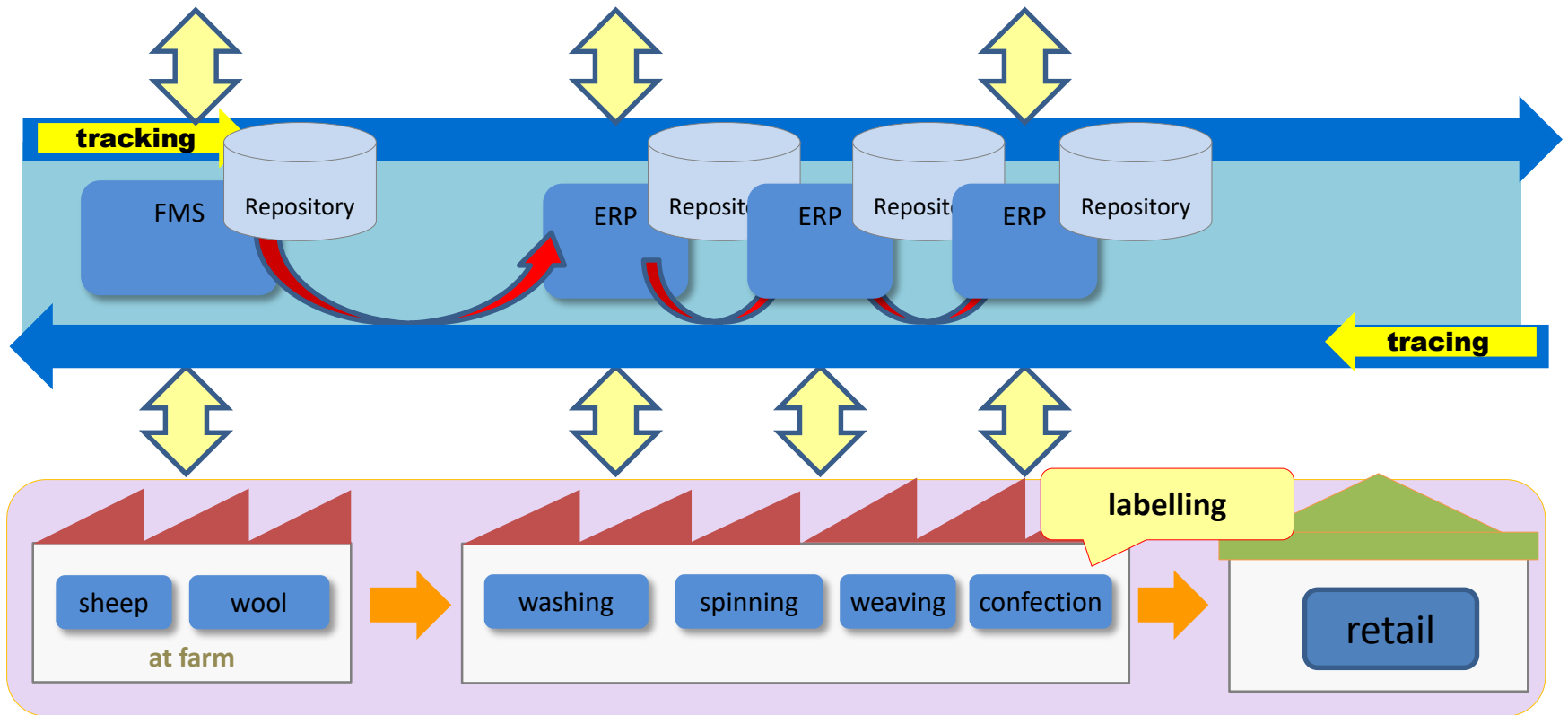
**Where** read and business location

**Who** party involved

**Why** process / business step / disposition



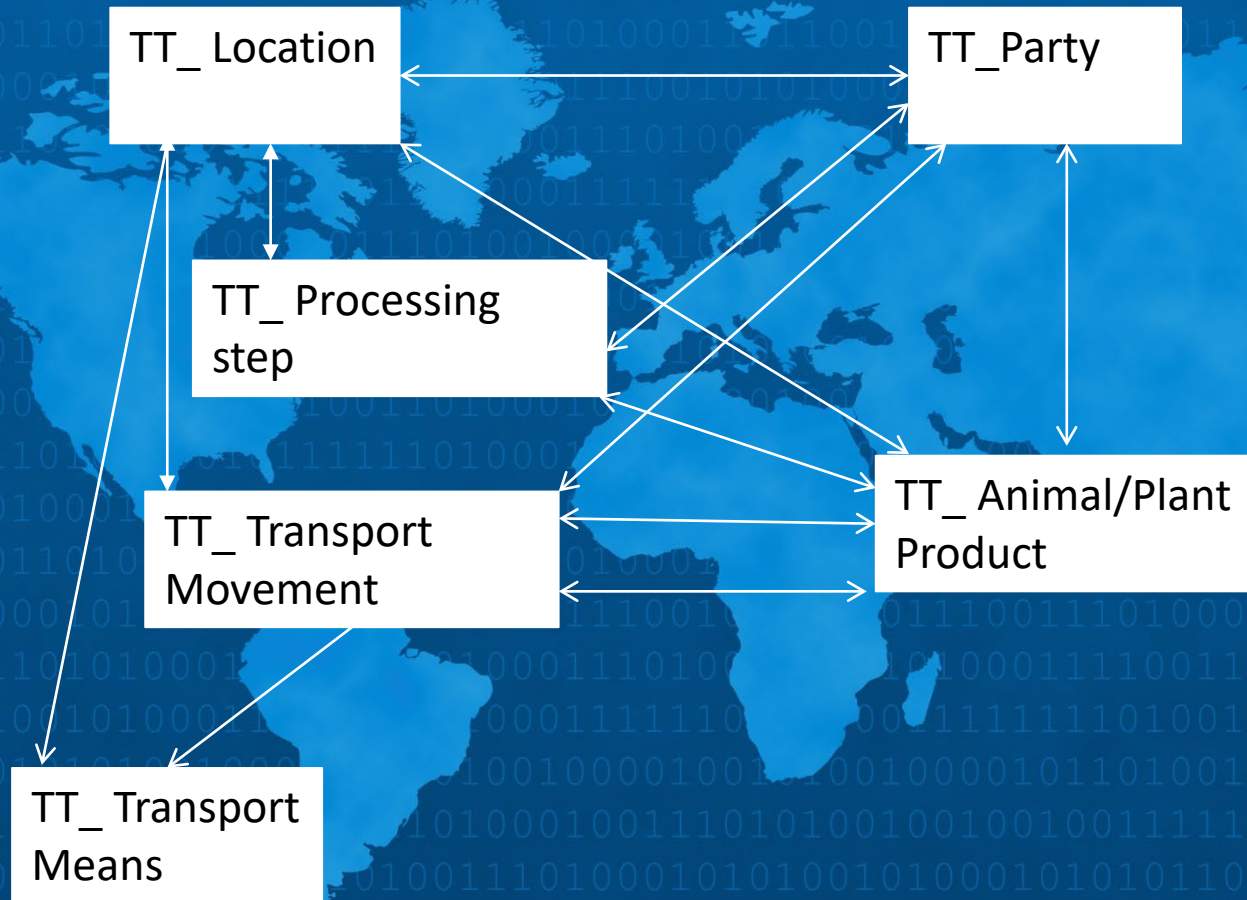
## Services: discovery / search / smartphone apps





# Track and Trace Event

## Key information entities

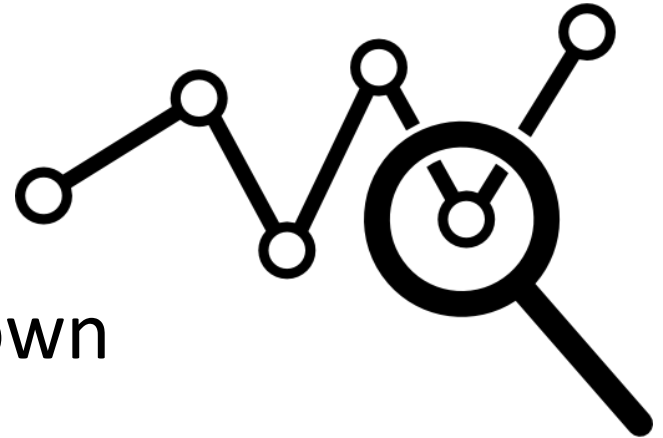


Time stamp



# Issues in traceability projects

- Sensitive data
- Business partners not known
- Different business conditions
- Product batches are put together, split up or used as inputs
- Present information exchange from node to node

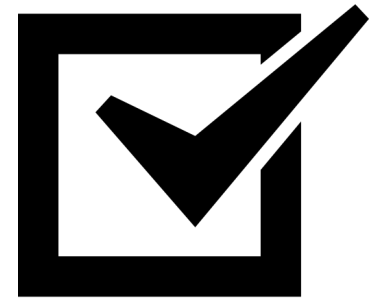




# UN/CEFACT T&T standard implementation

## Stakeholders agree on:

- Who registers what information
- Who can access what information
- Who is/are repository parties
- How the network of repositories will function
- Software is developed accordingly



# Present status

Standard published

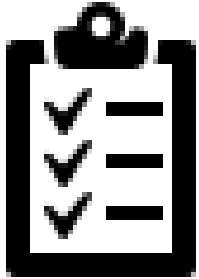
- Tracking and Tracing of animals and fish (2016).
- Tracking and Tracing of animal and plant products (2017).



# Implementation guides

- Handbook on electronic business standards for agricultural trade facilitation (Heiner Lehr, UNECE 2016)
- Guide for best practice in the set up of traceability projects in cross border trade (Andrew Baxter, UNNExT 2016)
- Electronic Product Code Information Services (EPCIS) implementation guideline GS1, 2015

# To be done



- ▶ Implementation guidelines
  - ▶ T&T textile supply chains?
- ▶ Compatibility EPCIS – UNCEFACT

# Contact

Frans van Diepen (Domain coordinator)

 [frans.vandiepen@rvo.nl](mailto:frans.vandiepen@rvo.nl)

Niki Dieckmann (Project T&T)

 [niki.dieckmann@rvo.nl](mailto:niki.dieckmann@rvo.nl)