

# Request for a new geographical object to cover business needs of the agriculture sector.

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# Issues in agriculture

- Sustainability
- Food safety
- Market access



- Traceability
- Transparency



Product information Who; What; Why; When; Where



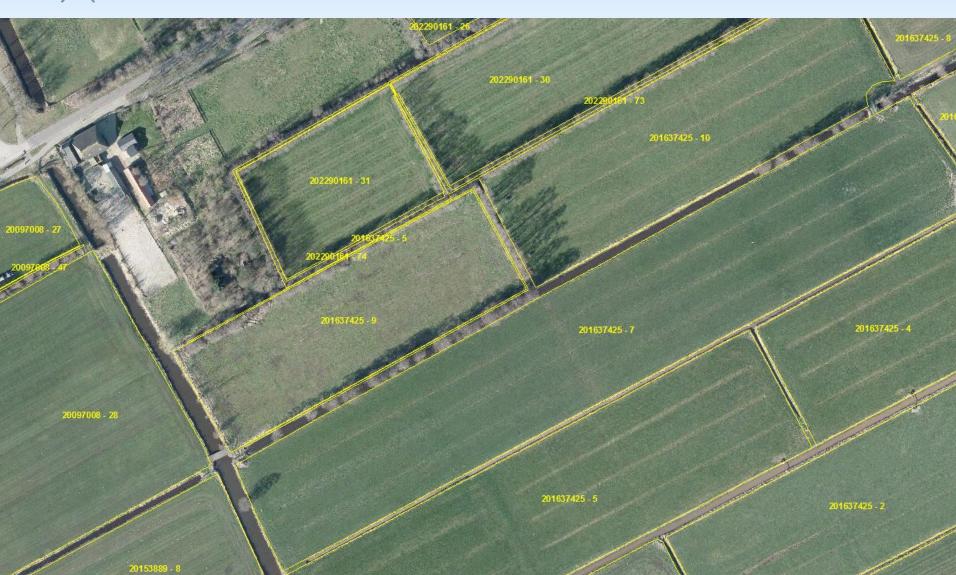
# Process and products in agriculture:

#### Identification:

- Location of farm, field, storage
- Product batch, type
- Party producer, processor, transporter, supplier, buyer
- Process treatment, aggregation, transformation, packing



# Example field geometry





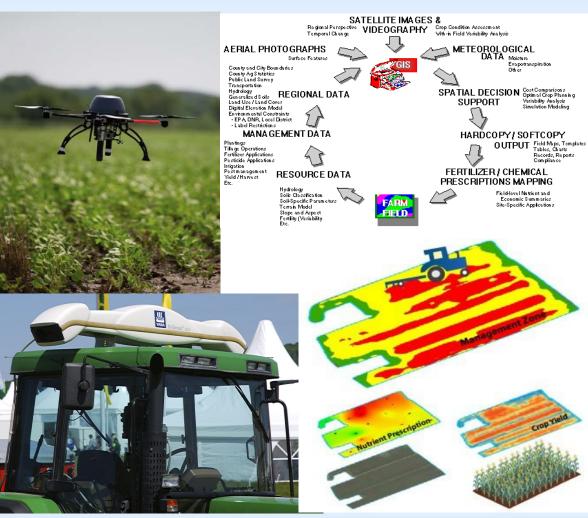
# Precision Farming







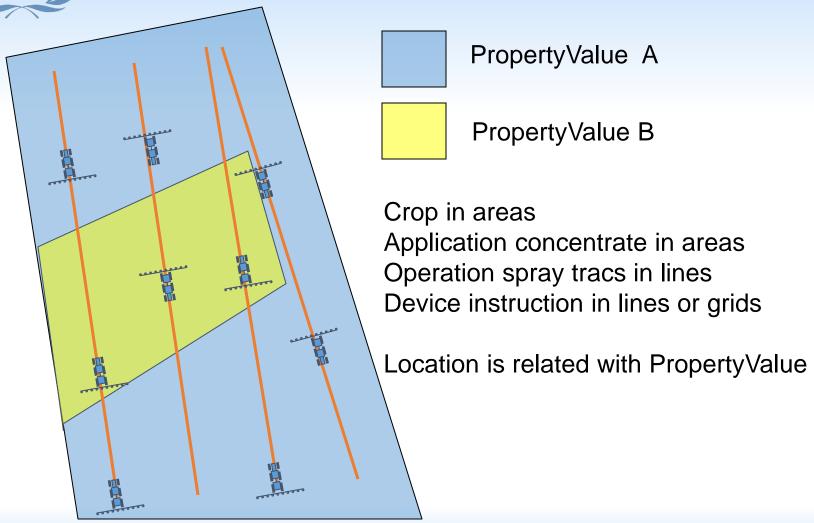








#### GeoObject assigned to PropertyValue





# Field type and instances farmers useage



Topografic parcel



Parcel



Crop field



Activity field



# Geo location accuracy

#### Field

Precision farming:

up to 0.01m

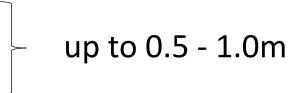
Adminstration (EU CAP):

up to 0.2 - 0.5m

Point, Line, Polygon, Grid

#### **Transport**

- Dock station (load unload):
- Entry point field, yard,
- Situation building, installation
- Point





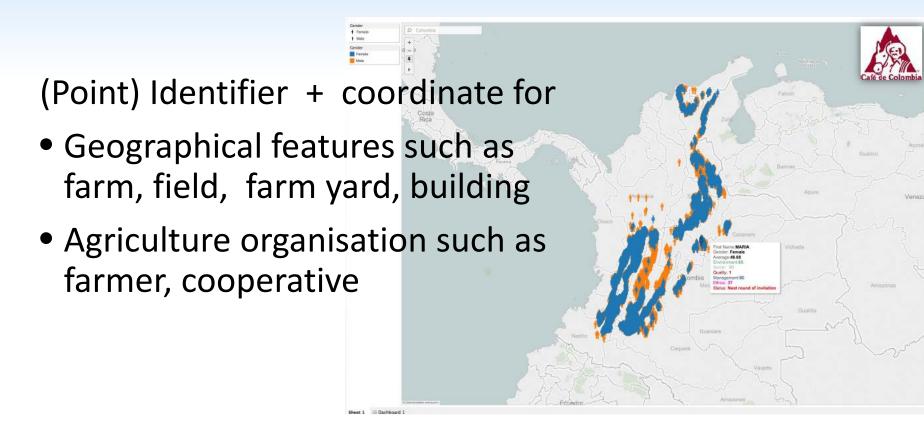
# Geo location in fisheries

- Port / berth / dock location
- Vessel position and activity
- Vessel track and activity
- Fishing regions

 Geographical features: point, line, polygon, grids



# Blue Numbers and or GLN



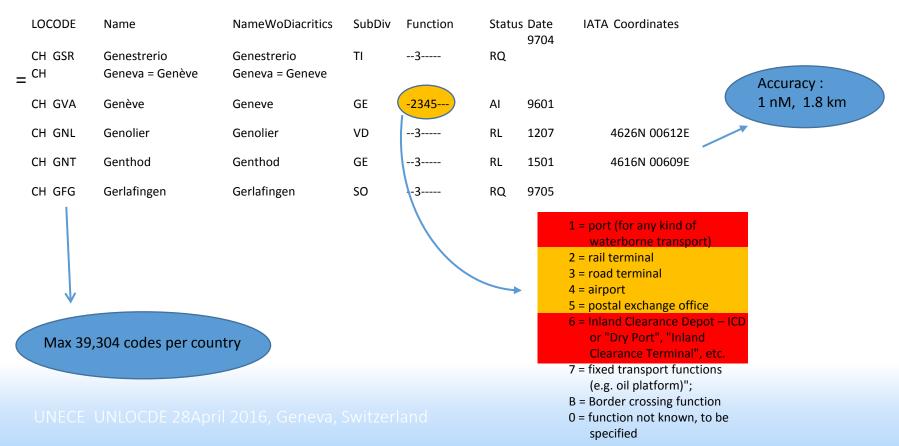
 GLN: an identifier for a party (legal entity) and/or a physical location of that party

Agriculture (horticulture )
 legal entity
 production section (greenhouse)
 dock station

Transport (Port of Rotterdam)
 berth location

# UNLOCODE

UN/LOCODE assigns codes to locations used in trade and transport with functions such as seaports, rail and road terminals, airports, postal exchange office and border crossing points





# UNLOCODE and agriculture

#### Commonalities:

Identification of the location of an object

#### **Upgrade UNLOCODE:**

- Identifier using a GUID (Global Unique Identifier)
- Accuracy (ddd mm → ddd mm.mmmm)
- Qualification of the object (not only transport nodes)
- Maintenance process

annual by UNECE

daily

by issuing agencys (ISO 15459)

and business party