

# Current status on Use Case 4b Machine data

#### Presentation

- The use case in short (Marc)
- Architecture (Hepco)
- Data flow (Finn)
- Next steps (Marc)

#### The rationale behind the use case

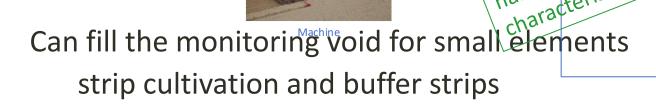
Movement in CAP from compliance to performance interest in sharing data

-> Monitoring

-> Seamless claim

Different data sources can contribute to 'prove' performance Field data is closely linked to certain for CAP interesting Precision Ag data

activities.

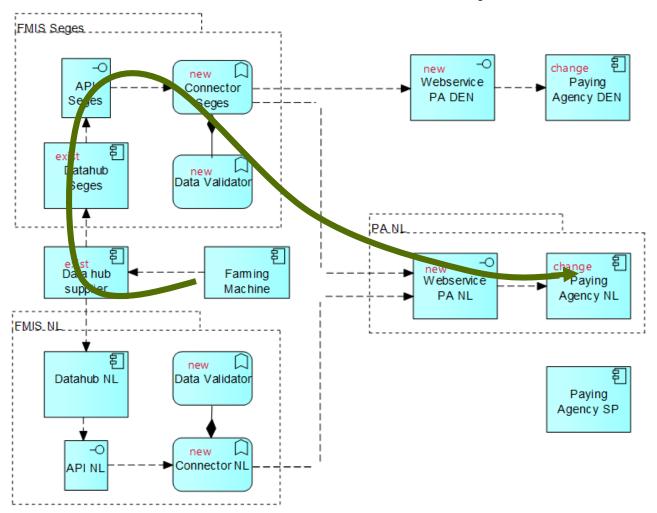


Paying agency

Fear for sharing data

#### The aim at June 2020

Create a system for data flow from machine to Paying Agency Selected Use case focusses on **catch crop** 



## **Precision Farming**

Task map = VRA

Specification of the activities for the farming machine on the parcel. The farmer makes the Variable Rate Application map on the FMIS

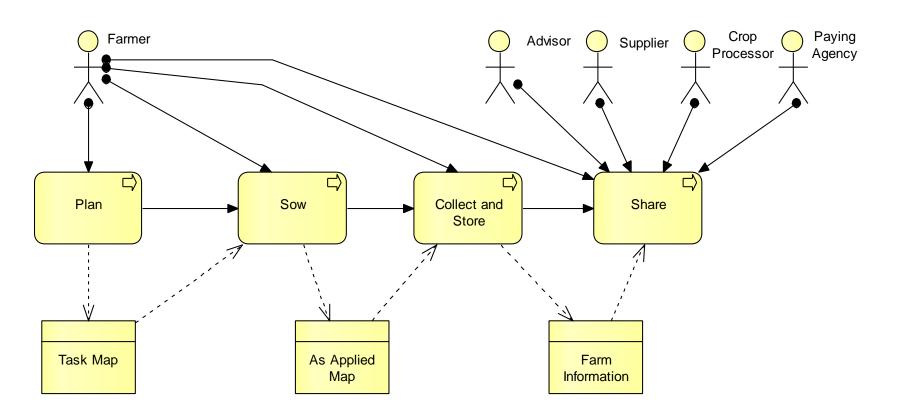
As applied map = AAM

Logging of the executed activities of the farming machine, made by the farming machine during the rig of the parcel

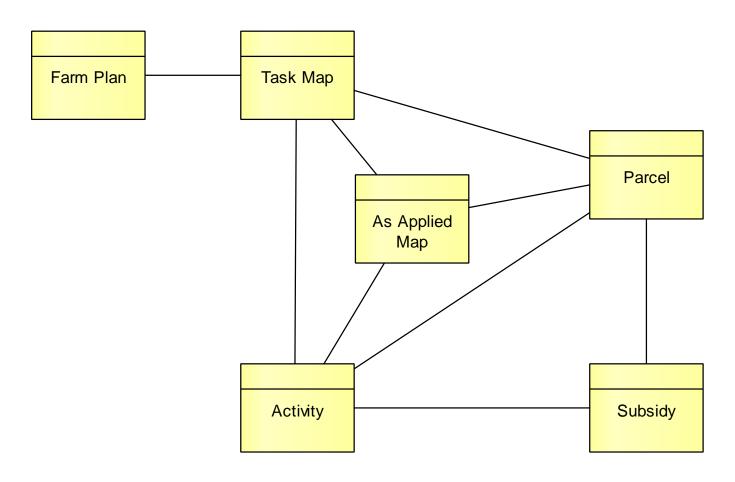


Task map

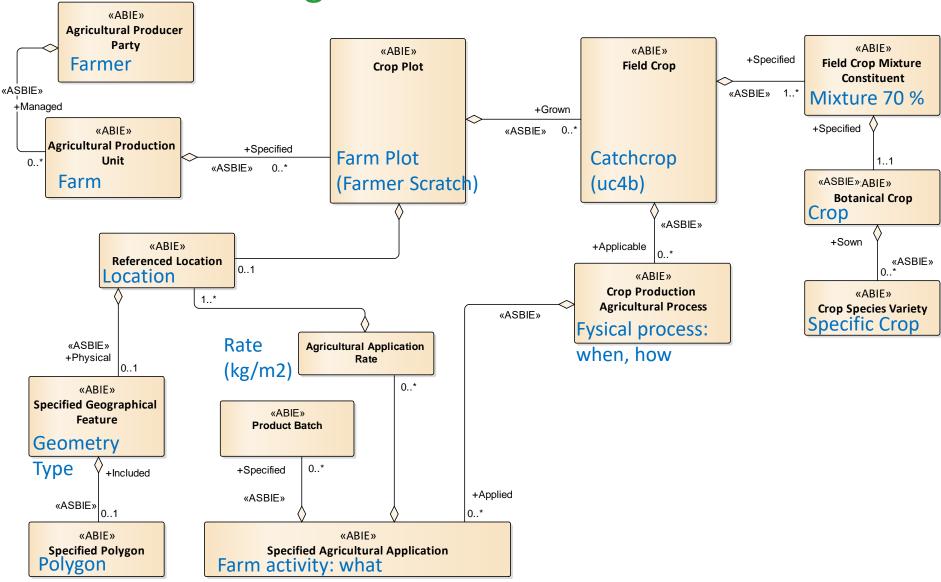
### **Process Farmer**



# **Object Model**



E-CROP message UC4b

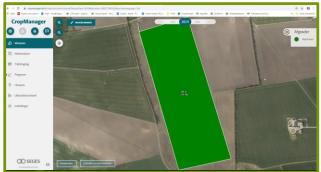


# Components

Name	•	Supplier (brand) + Model	Number of units	Deployment Site(s)
NIVA front end farmer	Connection to datahub	Open source	1	Gitlab
	Sends data to validate and put through to PA	Open source	1	Gitlab
NIVA Validator	Elementary data check	Open source	1	Gitlab
	Webservices to pull in the data.	Open source	1	Gitlab
Database scripts PA	Storage at the Payment agency	Open source	1	Gitlab

## First demo end-to-end dataflow (1), May

1. Create Variable Rate Application map in Farm Management Information System



Farmer



2. Execute task with Bogballe device



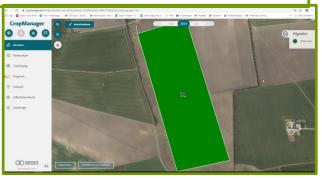
4. Inspect As Applied Map in Connector frontend (EU-PL)



**Farmer** 

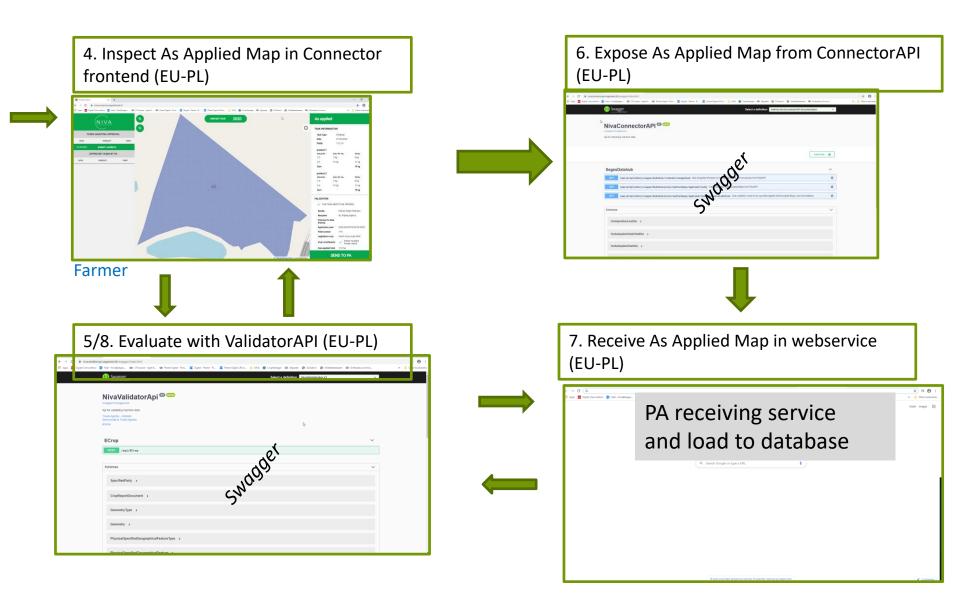


3. Inspect As Applied Map in FMIS



Farmer

## First demo end-to-end data flow (2), May



## Plans 2<sup>nd</sup> year of NIVA UC4b

- May
  - Finishing first year with E2E test dataflow of fertiliser (farmers from NL,DK).
- June
  - Webinar on UC4b incl. results
  - Select what next steps to take (with testing partners)
- Autumn
  - Testing the use case, catch crop application (farmers from NL,DK)
  - Preparing multi MS test
    - Data transferring to UC3 (ES)
    - ...
  - **—** ...



# **THANK YOU!**



























































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