



# UC 4b



This project has received funding from the european union's horizon 2020 research and innovation programme under grant agreement no. 842009

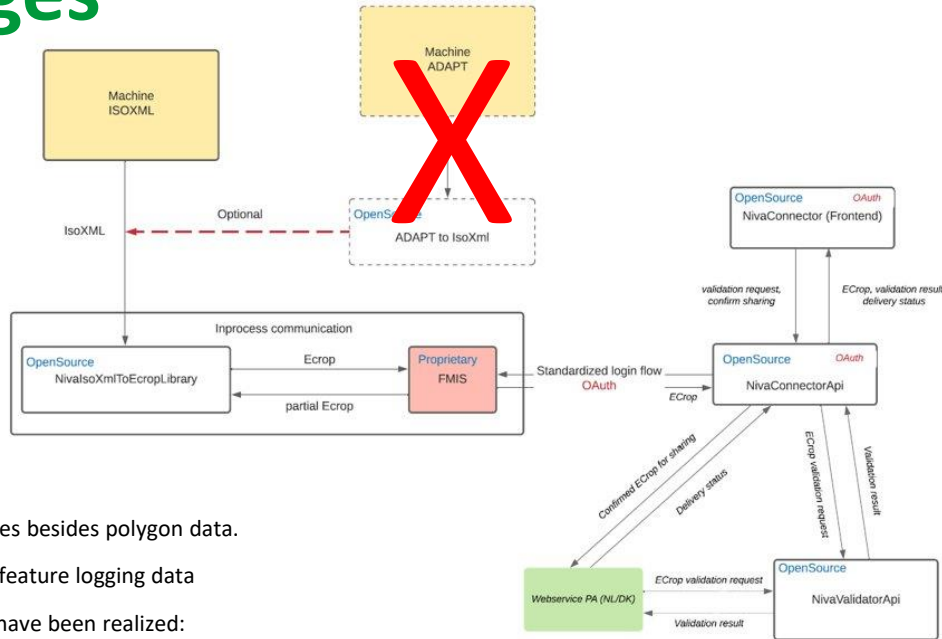


[www.niva4cap.eu](http://www.niva4cap.eu)



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# UC changes



- Enable use of ISOXML data
- Enable point data from farm machines besides polygon data.
- Handle task summary data and task feature logging data

To support these data, several changes have been realized:

- Object model and documentation
- Sample eCrop message with point data
- NIVA ISOXML Library
- NIVA Validator
- NIVA Connector (backend & front end)
- Receiving PA webservice

## UC4B KPIs

KPI	1	2	3	4	6
	Open ICT components	Farmers in demo	Adm burden PA	Adm burden Farmers	Standards
SMS	7	2	n.a.	n.a.	n.a.
MMS	7	50 (15/test)	1-3 options	10%	3 machine 2 FMIS
how	count	Attend demo/ webinar	Expert scenario in brainstorm	Score 1-5: adm burden old / new	Brands: expert assessment

1. Delivered 7 components (connector, validator, library, etc)
2. Reached 2 farmers, made appointments to reach 50 farmers
3. Organised 2 inspiring reflection sessions in PA, more will follow
4. Percieved decrease of admin burden of farmers will be assessed by 50 farmers \*)
5. KPI 6: already 1 FMIS integrated eCrop message, more will follow.

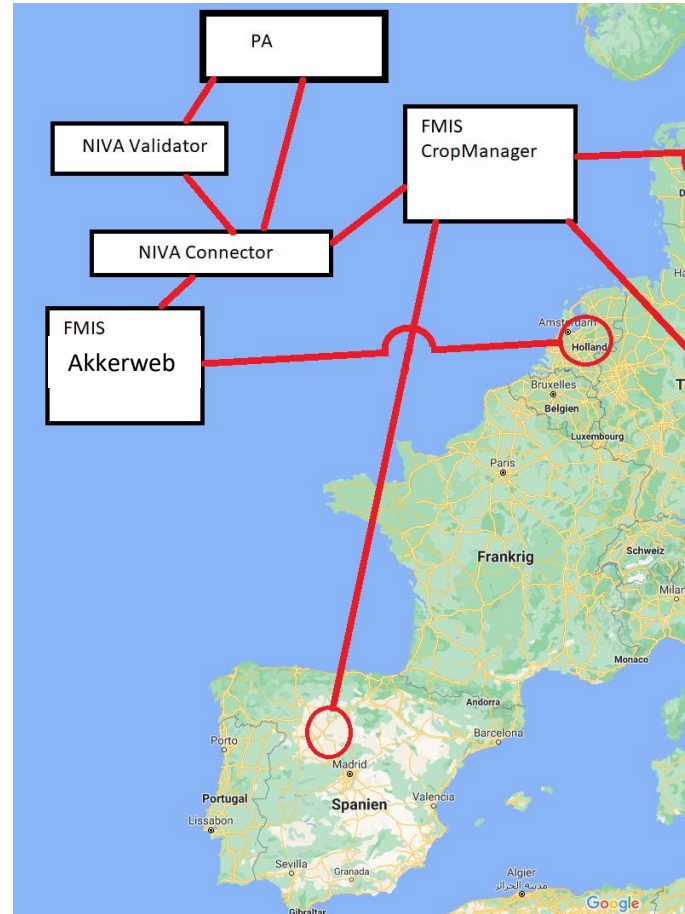
\*) interaction with discussions in farmers' community about the introduction of the new CAP (National Strategic Plan in parliament)

# Test chains in MMS-pilot 2021

Name	DK	NL	SP	GR
<b>Farmer</b>	Arne Porse	Tbd	Tbd	Tbd
<b>Machine</b>	Fendt terminal Kverneland spreader	Kverneland mower & terminal	Fendt terminal	
<b>FMIS</b>	CropManager (SEGES)	Kverneland OEM/Agrirouter Akkerweb /Wageningen PR	CropManager (SEGES)	CropManager (SEGES)
<b>PA database</b>	DK: DAA - File validation NL: Wageningen UR	Wageningen UR	Itacyl	Wageningen UR
<b>Field activity</b>	Fertilisation	Mowing grassland	Harvesting	Fertilisation
<b>Validation</b>	Fertilisation	Avoiding bird nests or delayed mowing for improving biodiversity	tbd	Fertilisation
<b>Status</b>	As applied ISO-XML passed to the PA (WUR)	Mowing done in August. Data at Akkerweb. Film is ready. Akkerweb needs to implement the components. Deadline januari 2022	Received Shape / ISOXML Now shape function developed	Field work in September. Shapefile received. Film will be sent.
<b>Documentation</b>	In preparation	In preparation	Further talks needed	In preparation

# Outcome

[https://wageningenur4.sharepoint.com/:v:/r/sites/NIVA/Gedeelde%20documenten/NIVA\\_forPartners/Workpackage%20folders/WP2/Use%20Cases/UC4b/MMS/MMStest\\_NL/Niva%20mowing%20save%20eggs.mp4?csf=1&web=1&e=f8vQ0h](https://wageningenur4.sharepoint.com/:v:/r/sites/NIVA/Gedeelde%20documenten/NIVA_forPartners/Workpackage%20folders/WP2/Use%20Cases/UC4b/MMS/MMStest_NL/Niva%20mowing%20save%20eggs.mp4?csf=1&web=1&e=f8vQ0h)





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