



WP2 Large scale pilots overview

Mariano Navarro (TRAGSA)

NIVA meeting – 11/05/2020



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WP2: Current status (I)

- New IACS common vision progressively achieved, at both kind of partners, paying agencies and technical providers.
- UCs plans already described.
- Analysis & developments of components started under converging vision.
- Still needed some adjustments, further discussions are necessary.
- First list of components and feasible deadlines. (Drafts, clarifications during May-June 2020)

WP2: Current status (II)

- Still unclear links between components and Use Cases.
- Unclear links with WP4 common components.
- MAA is being considered properly, consensus, validation WS and scenarios are considered. Not only among NIVA partners but also with regional, national and international stakeholders.
- UCs & Technical Webinars have demonstrated as a strong tool to progress specially under COVID 19.
- NIVA simplified architecture is becoming more common and aligned with common vision.

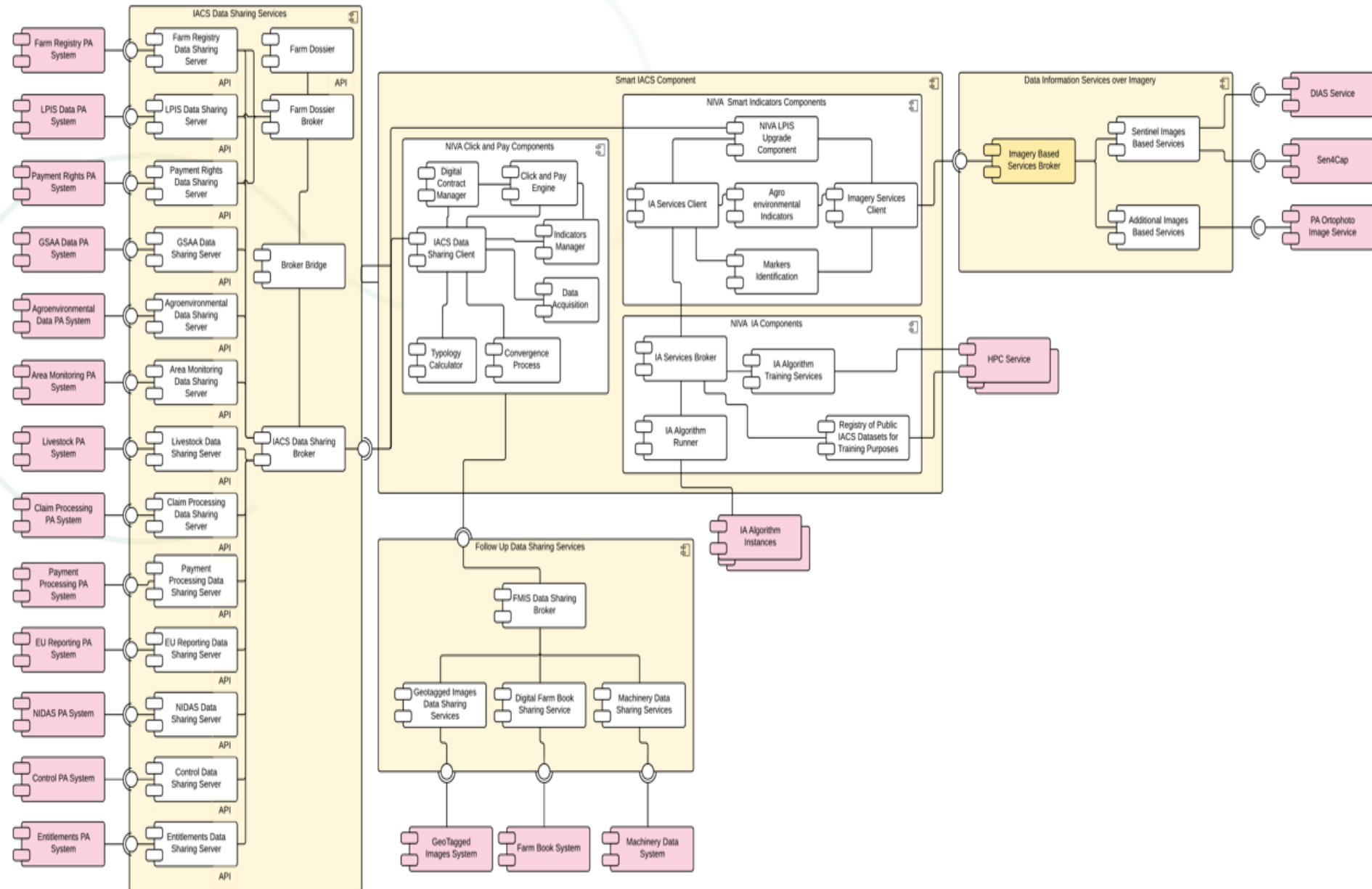
WP2: Current status (III)

- WP2 is more aware on who is doing what and for whom. We should increase the audience and target beneficiaries.
- It is also needed to report on resources consumption and pending resources. WP1?. Shared resources with WP3,WP4,WP5, WP6.
- Still not clear enough UCs request to Open Call & Subcontracting.

Components status

- ✓ Niva current version of simplified architecture
- ✓ Components templates drafts provided

WP2: NIVA Simplified Architecture



WP2: List of Componets (DRAFT)

SOURCE	COMPONENTS	STATUS	NAME	DEVELOPMENT	1st MS TEST	2nd MS TEST
UC1a		Pending				
UC1b	Description	Draft	Empirical carbon indicator	M12	M13	M18
UC1c	Description	Draft	IACS-FMIS data sharing API	M12	M18	M25
UC2	Description	Draft	Preliminary parcel boundary automatic delineation	M12	M15-M18	M25
UC2	Description	Draft	Robot data harvesting tool			
UC3	Description	Draft	LoadSingleApplication			
UC3	Description	Draft	LoadWork			
UC3	Description	Draft	LoadActivity			
UC3	Description	Draft	LoadFertilizers			
UC3	Description	Draft	LoadPhytosanitaries			
UC3	Description	Draft	LoadLPIS			
UC3	Description	Draft	LoadFaST			
UC3	Description	Draft	QueryFarmRegistry			
UC4a		Pending				
UC4b		Pending				
UC5a	Description	Draft	LPIS automatic change detection (tall vegetation and buildings)	M4-M12	M12	M18
UC5a	Description	Draft	Change detection of high non-agricultural areas	M4-M12	M12	M18
UC5b		Pending				
UC2	Description	Draft	NIVA - Sen4CAP link			
WP4		Draft	OpenEO			
WP4		Draft	Open IACS Upload			
WP4		Draft	Open IACS Dashboard			

WP2: Committed Outcomes M12-M18 (DK-SP)

Milestone	Title	Date	Month
M1	Project Start	June 19	M1
M2	Inception	01.11.2019	M6
M3	Single MS pilot Start	01.05.2020	M12
M4	Start of Multiple MS PA pilots	01.11.2020	M18
M5	Demonstration Review	01.05.2021	M24
M6	Roadmap & Demonstration Review	01.11.2021	M30
M7	Final Delivery (Results Conference)	01.05.2022	M36

(I)	Interface
(DM)	Data Model
(DS)	Data Set
(V)	Vocabulary-Glossary
(ALG)	Algorithm
(F)	File
(SWC)	Component



UCC	MAY 2020	Format	NOVEMBER 2020	Format	Comments	Open Call
	Outcomes available at M12		M18 2ndMS			
UC1 a	EO Processing Algorithms Components (DC)	SWC F	EO components testing & improvements	SWC F	GR (IE, FR, EE, IT)	Required
UC1 b	AE Indicators & Vocabulary	F, DM	AE Indicators to be published in further MS	File, Data Sets	FR (NL, DK, SP)	
UC1 c	First Draft of the prototype	SWC F I V	IACS FMIS interface ready for testing in another MS	SWC F I V	EE (IT)	
UC2	Data Sources Integration Models (LPI Sentinel)	F I ?	Validation & Eligibility Models	F I	LT (SP)	
UC3	FR Vocabulary DM	DM	Query & Update Interfaces. FR Vocabulary	SWC I	SP (SP) CAPDER	FR Broker
UC4 a	Geo-TAG API	SWC F I ?	Geo-TAG API & Certification Requirements	SWC F I ?	IR (LT, EE, IT, GR)	
UC4 b	Machinery - FMS Interface - PA	SWC F I ?	Machinery - FMS Interface - PA	SWC F I ?	NL (DK, SP, GR)	
UC5 a	Change detection of high non agricultural areas	SWC F	Change detection of high non agricultural areas	SWC F	DK (FR, SP)	
UC5 b	Smart Contract Rules for EU	SWC F I ?	Smart Contract Model Trials (C&P)	SWC F I ?	IT (EU)	

WP2: Webinars

Webinars

- ✓ Use Cases:
 - ✓ UC1b, UC1c
 - ✓ UC2
 - ✓ UC3 (FR: Data Vocabulary)
 - ✓ UC5a, UC5b
 - ✓ This week UC1a (May 14th), UC4a (May 13th)
- ✓ Technical and scientific:
 - ✓ eCROP data model and their application at Use Cases
 - ✓ NIVA Architecture, (series of webinars)
 - ✓ Linked Open Data (May 19-20th).
 - ✓ HPC (TBD)
- ✓ All the Information available [here](#), in SharePoint

NIVA_forPartners > Workpackage folders > WP2 > WP2 Meetings > Webinars > eCROP data model (March 26th)

Nombre	Modificado	Modificado por	Description
 eCrop used by NIVA v1.0.docx	13 de abril	jmev@tragsa.es	
 Niva Architecture Precision Farming v1.1.pptx	13 de abril	jmev@tragsa.es	
 NIVA WP2 webinar on eCROP minutes (26-...	31 de marzo	Homminga, ir. H.J. (Hepco	
 SampleMessage.json	13 de abril	jmev@tragsa.es	



WP2: Milestones, tasks and deliverables

- ✓ MS3 - Single MS pilot Start: Start of the single MS piloting of ready components
- ✓ MS4 – Start of multi MS Pilot: Components tested and validated in one MS, transferred and ready for deployment of the multi-MS pilot
- ✓ All tasks (T2.1-T2.4) currently active
- ✓ D2.1 - Methodology Framework. Ready for peer review
- ✓ D2.2 - Stakeholders Involvement strategy and Executions. Ready for peer review.
- ✓ D2.3 – Co-designing of selected components. Missing contributions. Maturity Mapping.
- ✓ M14: D2.4 - Use Case components development

WP2: next steps

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Development phase

- ✓ Components completed and matched within the NIVA Architecture (strongly or loosely coupled)
- ✓ Clarification of WP4 contributions (components and github)
- ✓ Components to be requested to WP6

Testing phase

- ✓ Deadlines
- ✓ PAs involvement

Conclusions

Important to remind:

- NIVA must deliver common etools at EUPL basis
- Semantic and component Interoperability is not possible without common vocabularies & common APIs.
- Open Data and CEF Infrastructure is also a request for the call that needs to be considered from now on.
- Do not hesitate to contact us for any question you might have and suggest technical webinars that might be of your interest and/or you want to offer to WP2-NIVA partners.

THANK YOU!



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