NIVA

NEW IACS VISION IN ACTION

NIVA - state of play and results

IOTWeek | Dublin

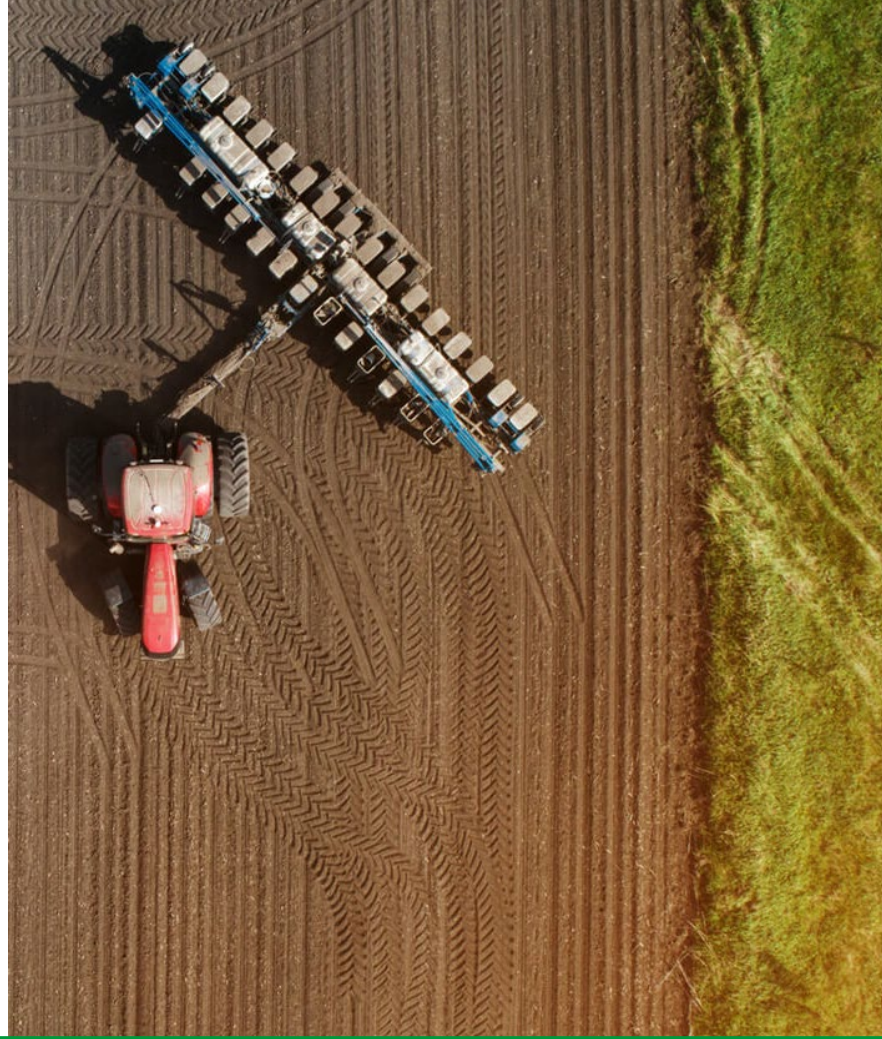
June 20-23, 2022

NIVA WP2 Lead, 23rd of June 2022

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

Outline presentation

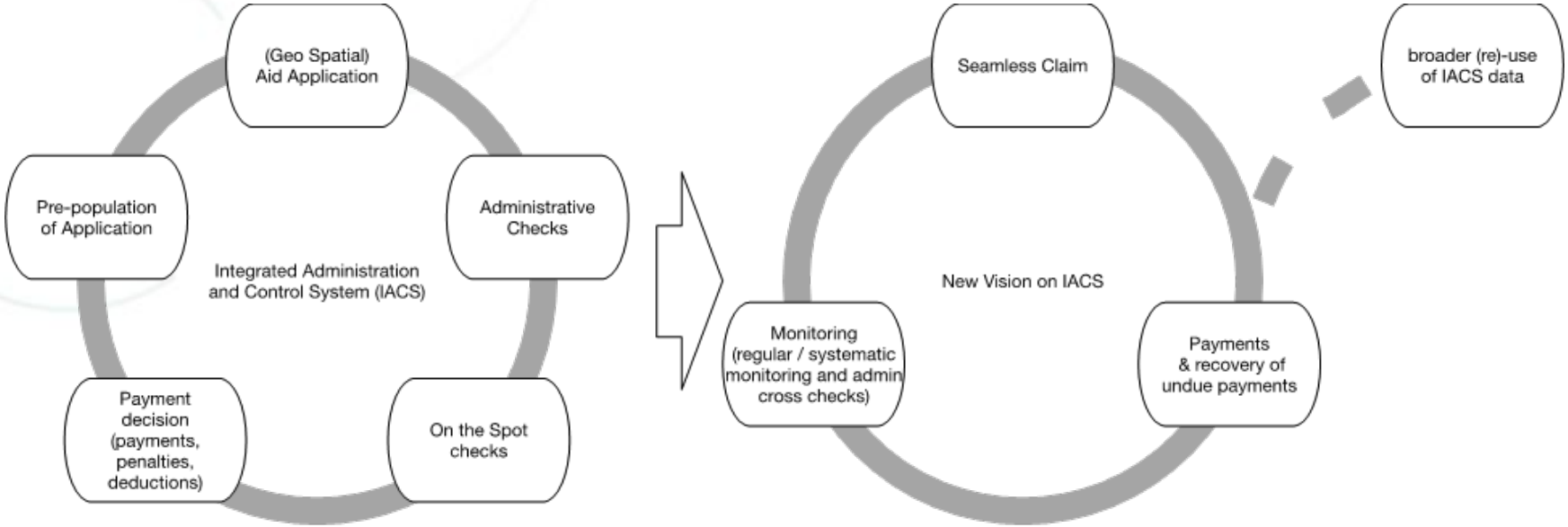
- What is NIVA and what were the ambitions at the start (June 2019)
- Reaching the objectives
- Glimpse at a selection of the NIVA Use Cases



H2020 project NIVA (New Vision in Action)

- H2020 Innovation Action
- Proposal in response to call: Digital solutions and e-tools to modernise the CAP
- Consortium
  - lead = WUR
  - 9 paying agencies (NL-DK-SP-IT-FR-GR-EE-LT-IR)
  - technical partners, total 27 partners

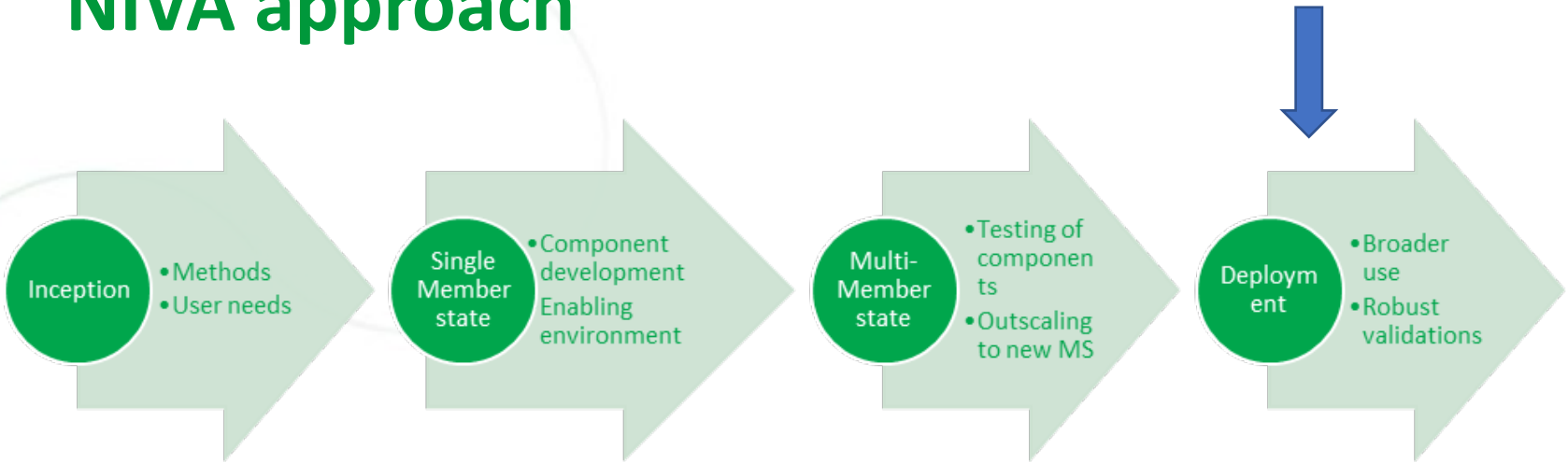
Integrated Administration and Control System (IACS) Evolution



Progress on NIVA main challenges

Challenge	M0-baseline situation	M18 NIVA achievements
Absorbing innovations to simplify the governance	• Innovations implemented separately in the 41 different IACS systems in Europe • only 2 to 3 open source solutions covering small parts of IACS systems	• More than 30 components have been developed and are being tested in cross-boundary collaboration • Working modes to learn from each other in an active way, and start relying on developments implemented in different PA systems. • Methodologies for Multi-Actor development and innovation deployment in IACS specified
Reducing socio-economic and administrative burden to farmers	• Digital innovations offer potential to reduce the burdens to farmers and PA's, • Digital innovation being tested in some research projects	• Different aspects of implementing digital solutions have been aligned through an 'As-is' analysis • Wider adoption of research products in innovations and field testing ongoing • Pilots being tested specifically focused on lowering administrative burden through technology
Reducing the gap between IACS data use and potential broader uses	• IACS derived data are shared in some member states on an 'As-is' basis • lack of standardization across claim years and common lists of relevant attributes (e.g. parcels, crops, vegetation types)	• Operational testing of IACS data use in pilots for other purposes ; • Standardization issues in IACS highlighted and recommendations provided in a stakeholder oriented way

NIVA approach



- Iterative development
- Learning approach
- Time: June 2019 – Nov 2022

Focus development areas in June 2022-Nov 2022

- **Continue the focus on cross Member State collaboration and co-design** as done in the first 18 months, while grasping the opportunity to involve outside-NIVA PAs and other partners;
- **Focus on active implementation of the NIVA innovations and components in PA systems**. Within PA's there are many different departments and those departments deciding on adoption of innovations might not be involved in NIVA. Hence an PA Adoption group was started over the past months of NIVA to facilitate uptake of innovations;
- **Continue to further engage a wide range of stakeholders** through the Stakeholder Forums, building on a good virtual presence with webinars and whenever possible engaging 'in-person' for dedicated topics. A stakeholder analysis will be used to further broaden the involved stakeholder groups and achieve a better coverage;
- **Develop more accessible knowledge products (through policy and technical briefs)**, alongside a unique open source approach, providing the stakeholder network with the required insights and sense-making;
- **Solidify the network in a future oriented exploitation plan**

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NIVA - Innovations

Glimpse at some Use Cases

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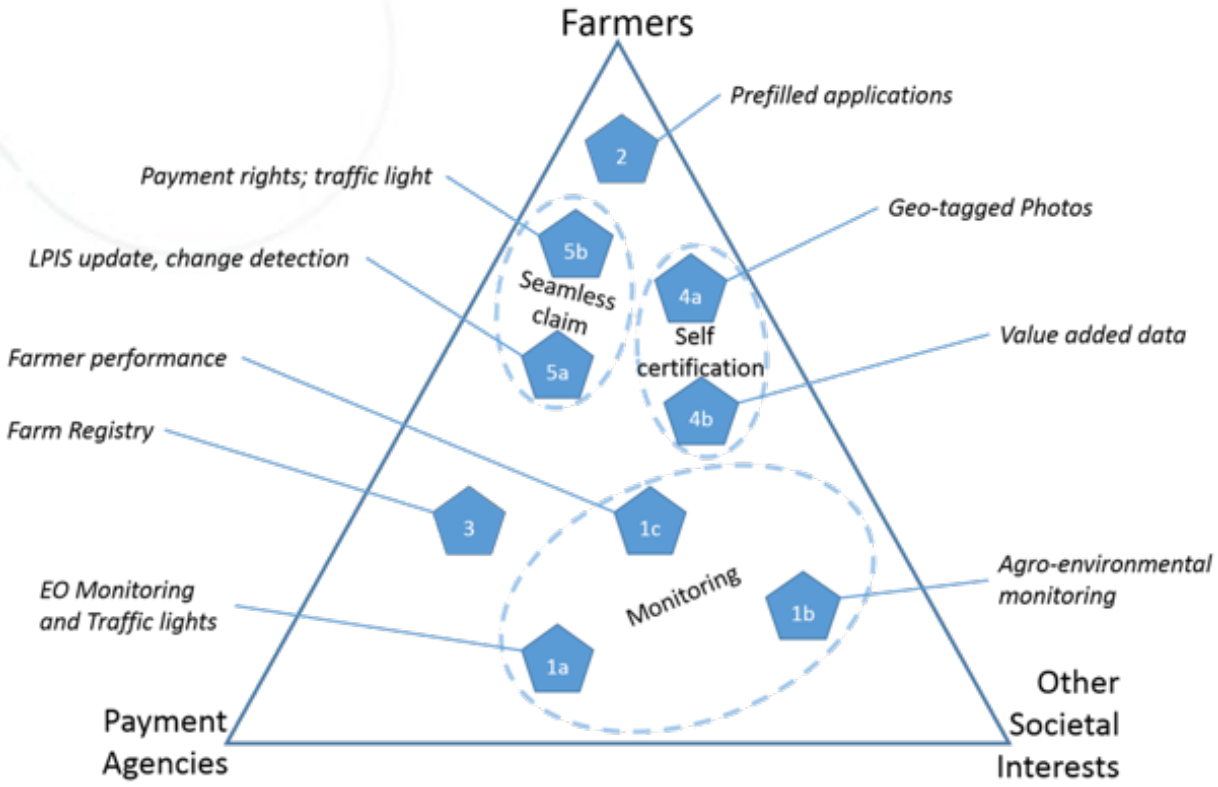
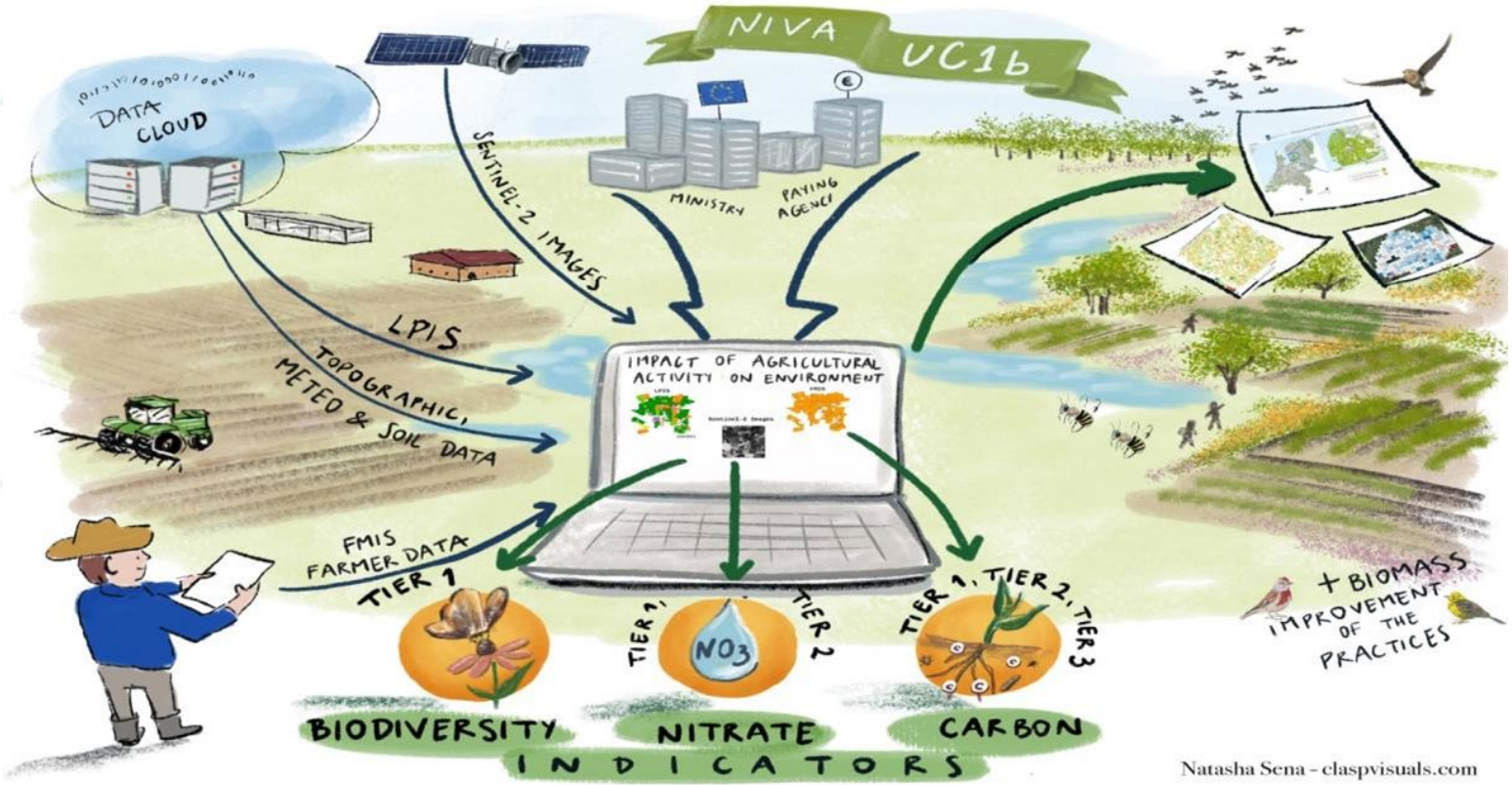
NIVA Innovations



NIVA Innovations



NIVA Innovations

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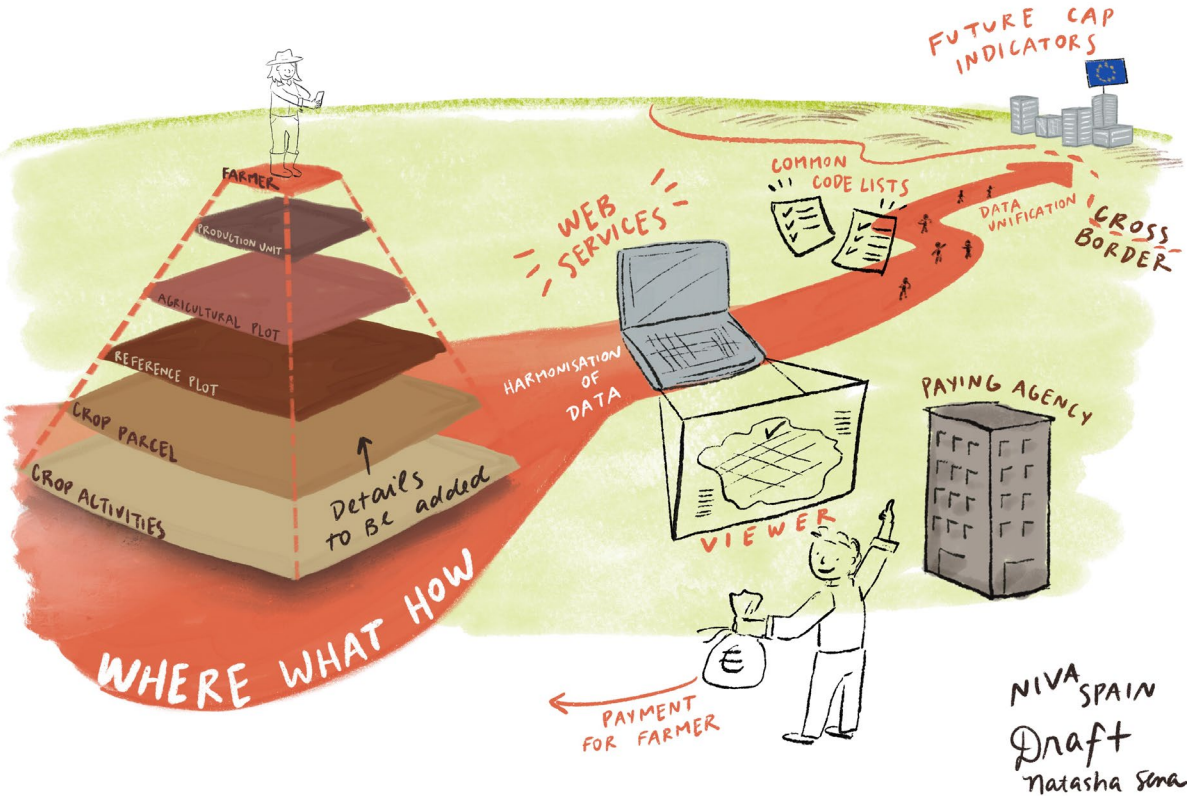
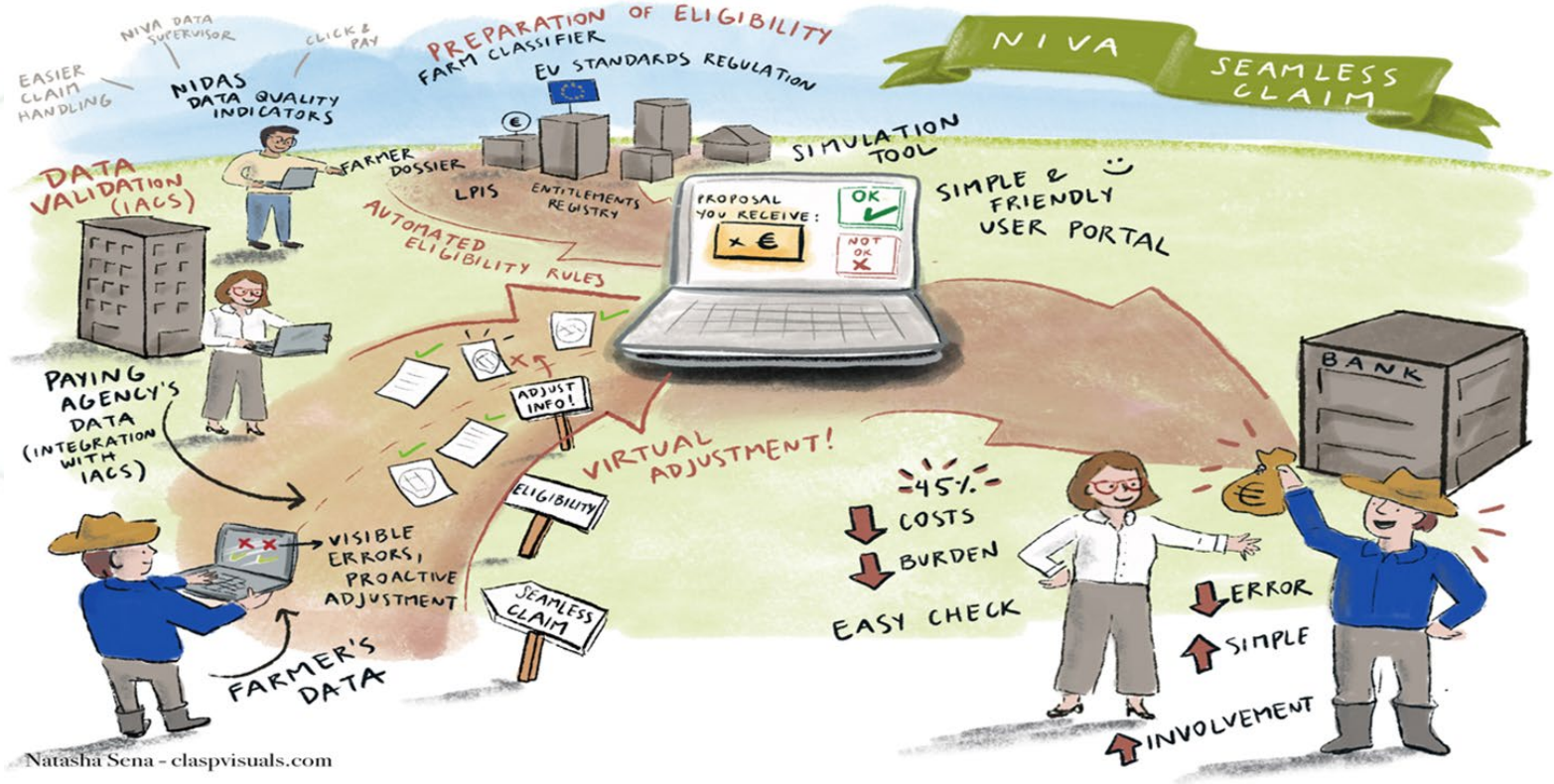


NIVA Innovations



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NIVA – Architecture and Components

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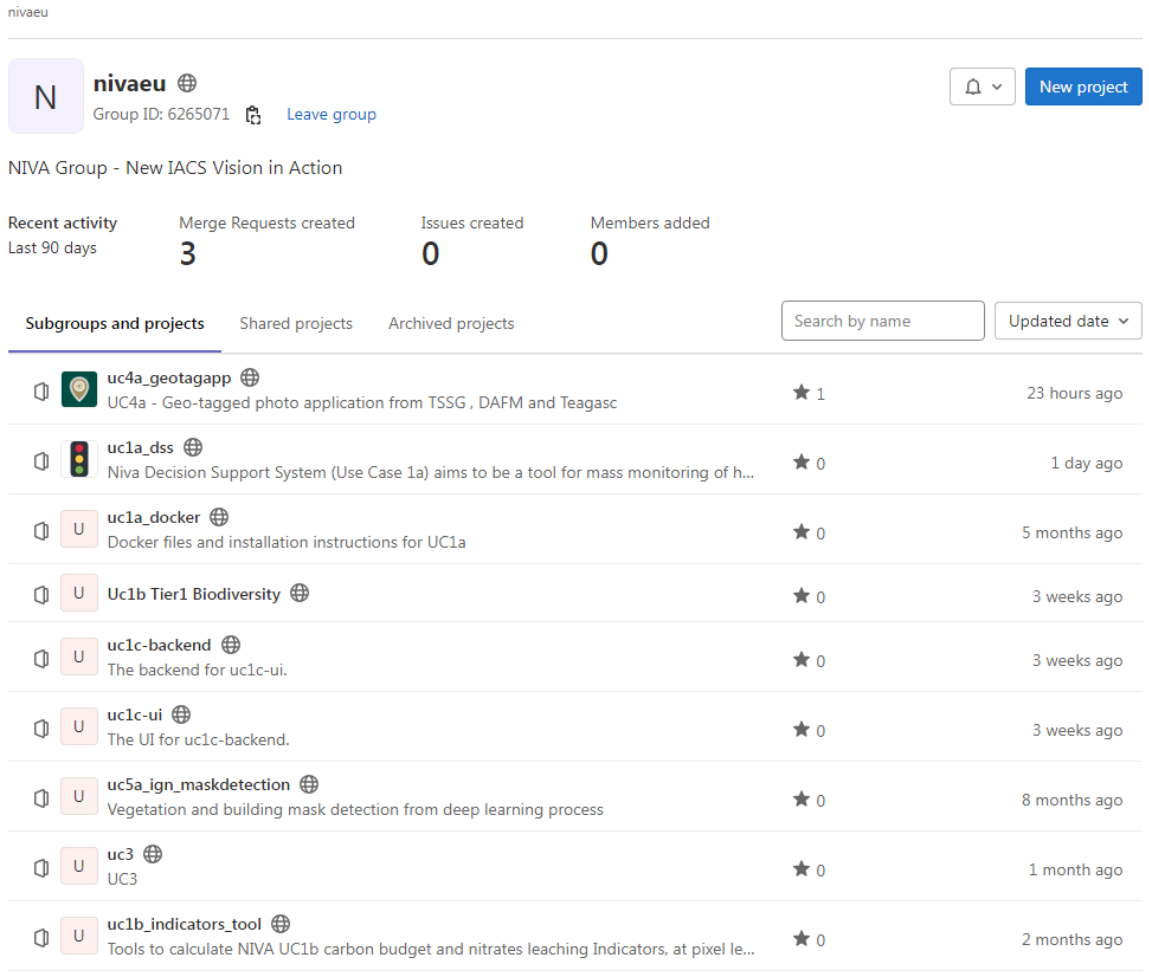
NIVA architecture V2.0

- Current List of Components at [Gitlab/nivaeu]



NIVA architecture V2.0

- Description of the components in NIVA D2.3 (M24) :

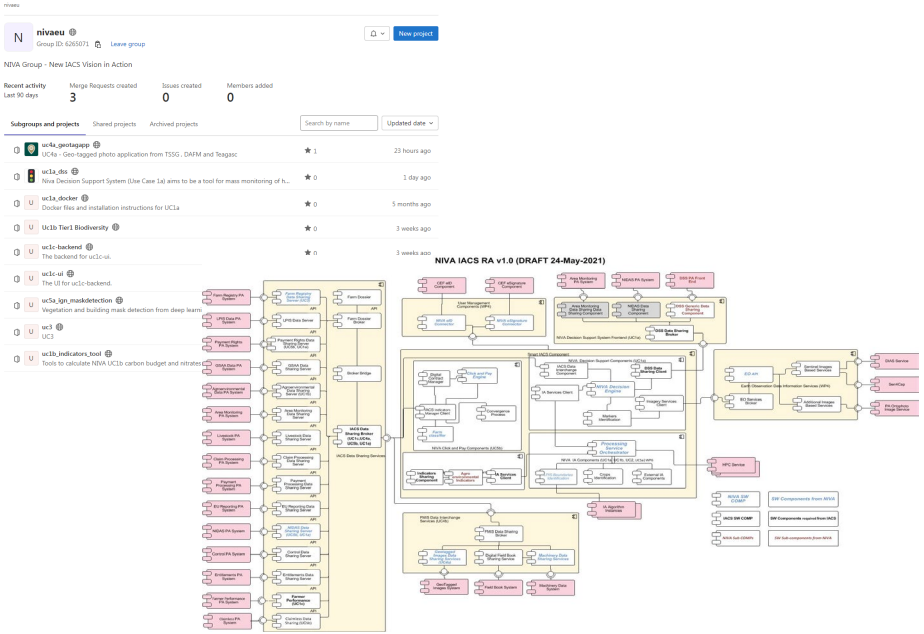
I. Status of development

II. Inputs

III. Outputs

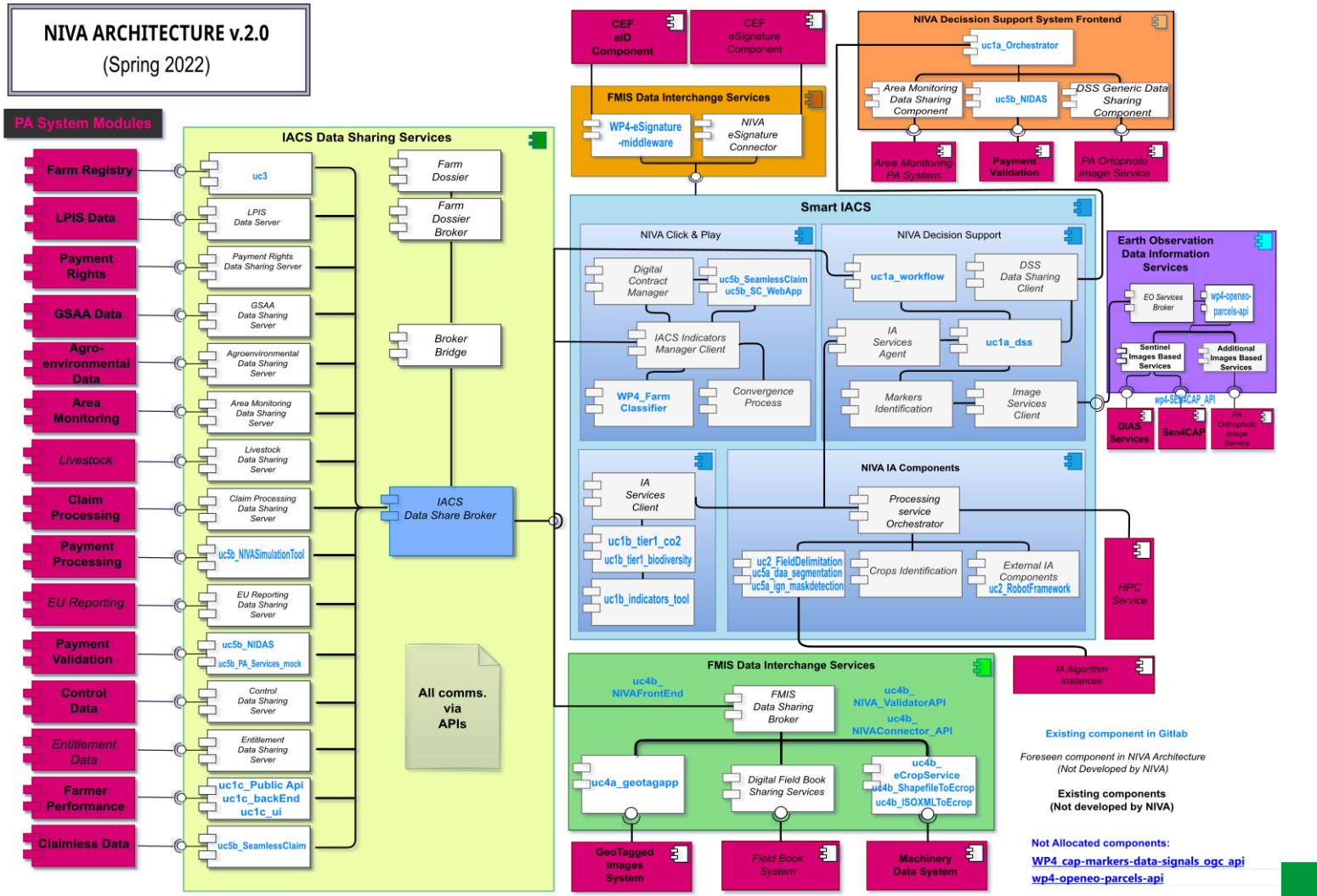
IV. Progress

- NIVA Architecture general analysis in NIVA D2.3 (M2.4) section 3.3



NIVA Architecture

Mapped with Gitlab Components



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NIVA - communication

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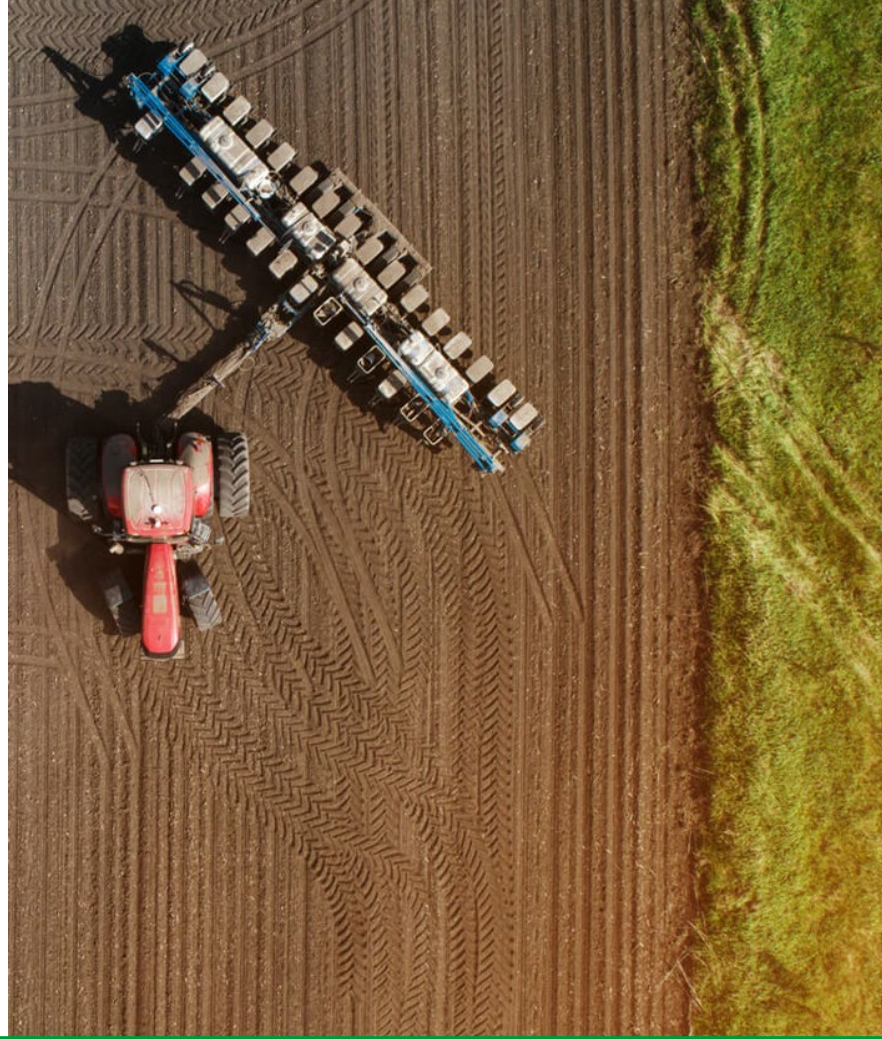
Want to know more?

- Info on our website www.niva4cap.eu
- Sign up for the newsletters and invitations for events and webinars: info@niva4cap.eu
- Updates on our socials: Twitter @niva4cap and LinkedIn https://ie.linkedin.com/in/niva-4cap-947501197
- Source code of our innovations: https://gitlab.com/nivaeu



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THANK YOU

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