REPUBLIC OF ESTONIA
AGRICULTURAL REGISTERS AND INFORMATION BOARD

NIVA
NEW IACS VISION IN ACTION

UC1c – Farmer Performance

ESTONIA

Jane Jäger

23 Nov 2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 842009

Agenda

- UC1c – components overview
  - Description of the tool
  - Further steps (measuring Farmer Performance)
- UC1c – Multi Member State testing
- Questions & Answers

General overview – prototype tool

- Microservice for exchanging data between IACS and FMIS type of software
- Data exchange protocol based on eCROP standard (some modifications)
- REST API with 2 endpoints:
  - GET /api/v1/ecrop/crop-plot
  - POST /api/v1/ecrop/crop-plot

General overview – components offered

- REST APIs source code & README file in GitLab
  - Node.js and Typescript application, run in Docker.
  - User interface → Swagger
- Additional supporting documentation in Sharepoint UC1c folder

General overview – functionality

- FMIS can request data about agricultural parcels from IACS
  - Data about agricultural parcel from IACS to FMIS. Requests made based on beneficiary's personal ID code or business registry code.
- FMIS can send data about agricultural parcels to IACS
  - Data about agricultural parcel from FMIS to IACS. Update data about existing parcel, send data about new parcel

General overview – prototype scope

- Purpose of the prototype → to test suitability of the eCROP standard for exchange of data
- No authentication component
  - ➢ very country specific
- POST requests → FMIS dataset is validated but acceptable data not actually saved to IACS
  - ➢ Very specific to particular IACS system where and in what format to save this data
  - ➢ UC3 Farm Registry data model analysis → recommendations

General overview – further steps

- Farmer performance → set of indicators
  - Measuring farmer „footstep“
  - Important consideration – not to overlap with UC1b
  - Testing FADN classification → possible synergy
- Analysis on:
  - FMIS data in IACS infrastructure (UC3 data model?)
- Prototype improvements, based on testing feedback

General overview – indicators

- Indicators for measuring farmer performance
  - Farmer scoreboard
  - Changes over time, comparison with average
  - Comparison with comparable (size and type)
  - Combining IACS and FMIS data
  - Part of IACS infrastructure (e.g. via PA e-service)
  - …? Proposals/ideas welcome

Multi-MS testing & timeline

- Testing country: Italy/AGEA
- Webinar on testing: 29 Oct 2020
- Testing country notified: 19 Nov 2020
- Multi-MS testing period: Nov 2020 – May 2021
- Webinars to be held, as needed (instructions on running the Docker, etc)

Multi-MS testing – resources

1. NIVA GitLab → source code, documentation, reporting issues/bugs
2. NIVA Sharepoint → documentation
3. ARIB contact points → help and support ☺
   - UC1c Multi Member State pilot testing instructions

Multi-MS testing – general steps

1. Getting familiar with documentation, guidelines and code repository
2. Preparing and setting up local testing environment:
   - Preparing test data and services for UC1c IACS-FMIS data sharing API (including mapping local dataset into eCROP format);
   - Running and validating the IACS-FMIS data sharing API Docker (Swagger UI).
3. Testing both endpoints, reporting results/observations/bugs using the template for test report and NIVA GitLab

Discussion

Questions & Answers

NIVA
NEW IACS VISION IN ACTION

THANK YOU!

Jane.Jager@pria.ee

REPUBLIC OF ESTONIA
AGRICULTURAL REGISTERS AND INFORMATION BOARD

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