DART

Digital Agriculture and Rural Transformation

UN Joint Programme

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ILO Representation in Albania
In collaboration with FAO and ITU colleagues

DART's UN implementing partners

Food and Agriculture Organization of the United Nations

International Labour Organization

International Telecommunication Union

3 components:

Strategy
Gender-responsive, smallholder farmer centric and EU-aligned strategy & action plan

Services
Analysis, upgrade and promotion of the Albania's Farmer Portal via co-design process

Skills
Capacity building of TVET schools and centres, students, farmers and public-workers

Duration:

3 YEARS

Funding:

3,3 MILLION USD

Expected co-financing

10 MILLION USD

Inception workshop – November 2024

UNITED NATIONS ALBANIA

JOINT SDG FUND

MINISTRIA E BUJQËSISË DHE ZHVILLIMIT RURAL

Farmer's portal shortcomings – initial assessment

https://agroalbania.al/

- Product prices listed and production collection points
- Good starting point for centralizing growers and stakeholders' data;
- Documentation for financial support and production policies;
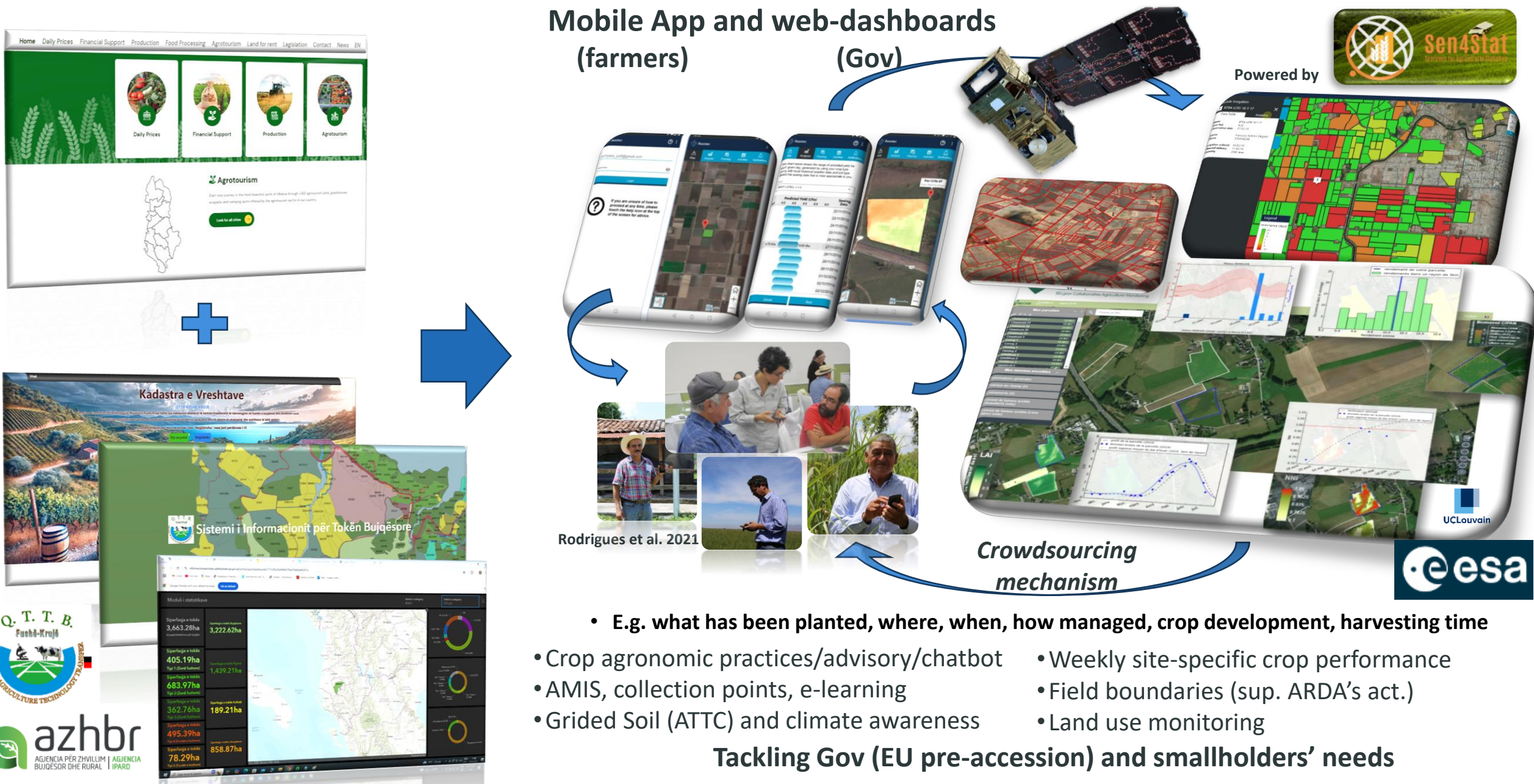- Listening of gov & third-party services – production & agritourism

Are farmers making use of it? For what specifically? Which data is fed back to the portal and how is it used for?

- UX/UI design enhancement.
- Site-specific crop monitoring/services to farmers
- Weather forecast / advisory services
- e-learning
- Remote sensing open-source data
- Link to administrative services

New Farmers' Portal - from field towards national scale

Mobile App and web-dashboards (farmers) (Gov)

Powered by Sen4Stat

Rodrigues et al. 2021

UCLouvain

esa

Crowdsourcing mechanism

- **E.g. what has been planted, where, when, how managed, crop development, harvesting time**

- Crop agronomic practices/advisory/chatbot
- AMIS, collection points, e-learning
- Grided Soil (ATTC) and climate awareness

- Weekly site-specific crop performance
- Field boundaries (sup. ARDA's act.)
- Land use monitoring

Tackling Gov (EU pre-accession) and smallholders' needs

Digital skills & Equipment Needs Assessment – Ag oriented VET Schools and Centres

Round Table Activity – 6 schools + 3 VTCs

- <u>Common need of technology, tools and knowledge</u> - enhance the learning/skills development

- Needs assessment for <u>digital tools and technologies</u> is under way, to provide first procurement to schools

Common Equipment Needs

- Laptops
- Projectors
- Tablets
- Thermometers
- Endoscopes
- Soil probes

- Automated Irrigation system
- Drone
- VR tools

Infrastructure Gaps
- Lack of basic digital tools despite having land, greenhouses, or livestock
- Unused or underdeveloped spaces (e.g., greenhouses, terraces)

Identified Catalysts
- Active student participation showing visionary leadership (e.g. Cerrik, Golem) - impactful digital investment **– future leaders**

Thank you!

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