



Food and Agriculture Organization of the United Nations

IFAD
Investing in rural people

UNDP
Empowered lives. Resilient nations.


UN Women
Sustainable Development Goals
2016-2030

2ND REGIONAL WORKSHOP on integrated community development

Digital tools, as practical solutions for smallholders and vulnerable groups in rural areas

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Digital Agriculture Team Leader

22-24 June
Budapest, Hungary



2ND REGIONAL WORKSHOP ON INTEGRATED COMMUNITY DEVELOPMENT

Messaging apps & social media

-  Azerbaijan/ messaging apps
-  Kyrgyzstan and Uzbekistan/ social media for market access

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Screenshots from Market Price application from Agrinform

Free agriculture commodity prices /Tajikistan

- 5k downloads
- Features calculator for seeds and fertilizers
- Advertising, premium services

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Screenshots from OneSol mobile application

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Open agrometeorological data /Moldova





Agrobiznes Meteo - Lista stajilor meteo din Moldova

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Enablers

-  Rural connectivity
-  Mobile penetration

Challenges ahead

-  Affordability
-  Availability
-  Awareness
-  Literacy
-  Responsible use of data

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Smart Villages /Ferraria de Sao Joao, Portugal

-  40 houses, depopulation
-  Preserve, protect, value the territory
-  Village protection zone
-  Community herd, connected to ear sensors
-  FarmReal

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@Ritchie Banpal

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FAO Digital Village Initiative (DVI)

FAO Digital Village Initiative (DVI) aims at revitalizing rural areas through uptake of ICTs in agriculture and access to digital services by empowering rural communities



Increasing agricultural productivity by accelerating the **uptake of ICTs** and relevant digital solutions in **agriculture production**



Enhancing **farmers access to digital services** such as e-commerce, e-subsidies, and advisory services



Improving the delivery of **digital rural services to communities** also in e-health, e-learning, transport, energy and agrotourism

**Village' is intended as any rural community, which may comprise agglomerate of villages

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Upcoming publications

- FAO study on digital solutions and practices for smallholder farmers and rural people
- Good practice series
- Focus on impact of the war

Open inventory

- 200+ cases being mapped
- Strategic collaboration with CEU and AUCA
- Hand-in-Hand Geospatial platform
- DVI Regional Hub

Good practice series -



Download:

<https://data.apps.fao.org/>



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A definition of the Smart Village concept

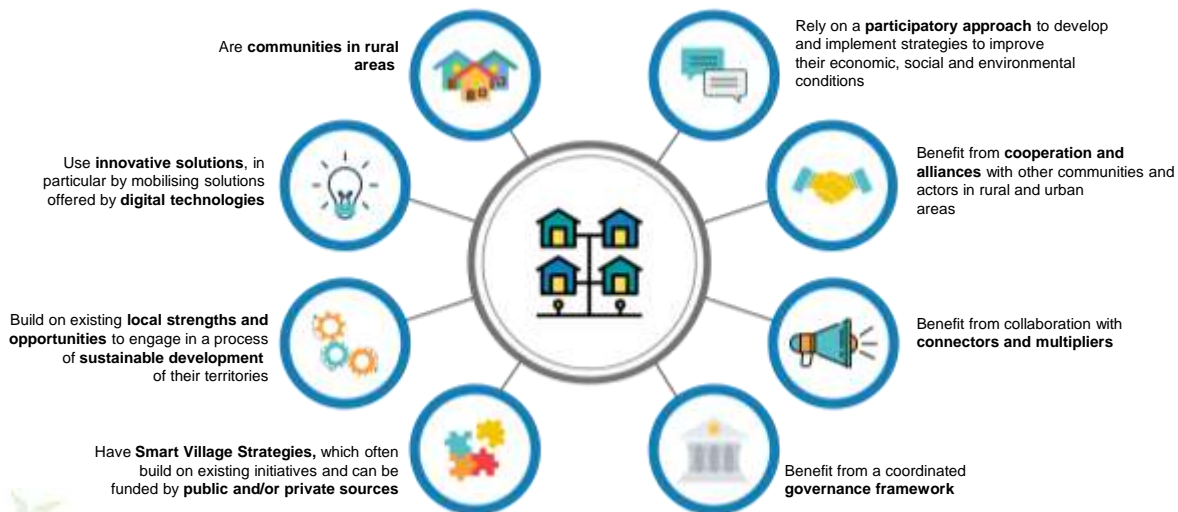
Smart villages are **communities in rural areas** that use **innovative solutions** to improve their resilience, building on **local strengths and opportunities**.

They rely on a **participatory approach** to improve their economic, social and/or environmental conditions, in particular by mobilizing solutions offered by **digital technologies**.

Smart village strategies may build on **existing initiatives** and can be funded by a variety of **public and private sources**.



Key features of Smart Villages and lessons learned



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Kosovo gender and digitalization in agriculture survey

1/2 engage dialy with **messaging apps and social media** to exchange info on agriculture

1/3 use technology to access **weather** information

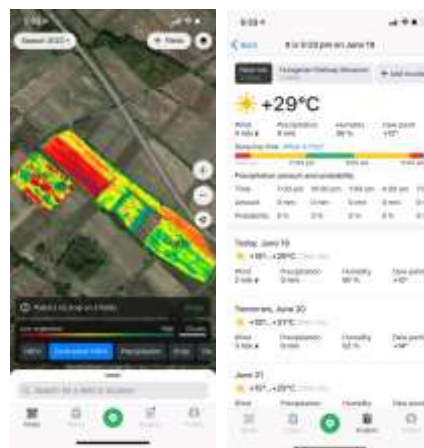
1/4 use technology to access **market prices** information

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Free precision agriculture tools

- From 0.5 hectar
- Advanced satellite images
- 5-day weather forecasts, real-time precipitation map, spray time, crop rotation, fertilizer recommendations



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Screenshots from OneSoil mobile application

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DVI: Next steps

- DVI readiness assessment tool piloted
- At least 7 countries and 20 villages by 2023
- Village-twinning



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