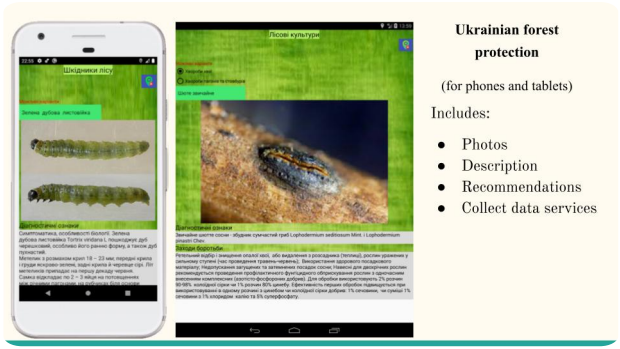
Ukrainian forest protection



UFP

Combining the capabilities of the Geoportal "Forests of Ukraine" and the mobile application UFP for collecting data in the forest on the outbreaks of pests or diseases and its diagnostics and monitoring. App aimed at professional foresters.

Mobile app Ukrainian Forest Protection for smartphones based on Android OS.

The app uses mobile devices for collection of data about pests and diseases. It has several levels of use:

- at first forestry specialists collect data about discovered cases
- this data is synchronized at all mobile devices of the enterprise and enters the database of "Forests of Ukraine" Geoportal
- furthermore, other forest specialists can review the information about the pest and disease cases, discovered in the forest enterprise
- if needed, the damaged area can be found in the field using the built-in GPS receiver, then verified or deleted.

For the diagnostics of the damaged area, the built-in digital handbook can be used, which includes information about all pests and diseases found in the forests of Ukraine, structured with the visual materials, data on diagnostic features and protection/management measures.

After introduction of any of changes in the app, all the information become accessible at the "Forests of Ukraine" Geoportal, which allows to:

- print out reports for the enterprise level and regional level,
- review of identified and verified cases on the map,
- see the dynamics by pest and disease types, by the time,
- define and identify the location, distribution features and development of pathological processes in the forests of Ukraine.

MORE DETAILS

CHALLENGE ADDRESSED

1.- Improve forest resilience and adaption to climate change

DOMAIN

Inventory, monitoring

Forest management, ecosystem, resilience

Forest disturbances, risks

TYPE OF SOLUTION

Data platforms, data hubs

KEYWORDS

pests and diseases

mobile app

data management

DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

Ukraine

SCALE OF APPLICATION

National

START AND END YEAR

2019 -

CONTACT DATA

OWNER OR AUTHOR

URIFFM

Prof. Viktor Tkach

xalekter@uriffm.org.ua

https://uriffm.org.ua/uk/contacts

REPORTER

FORZA NGO

Lesya Loyko

lesya.loyko@forza.org.ua

REFERENCES AND RESOURCES

MAIN WEBSITE

https://forestry.org.ua

PROJECT WEBSITE

--

PROJECT REFERENCE

--

RESOURCES

Video review of selected possibilities of the system

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

--

POST DATE

21 Dec 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY