

VANUATU CUSTOMIZED CLIMATE INFORMATION SERVICES-BASED DECISION SUPPORTING SYSTEM (DSS)

- #Resilient Development Planning
- #Climate Change Adaptation
- #Disaster Risk Reduction



Van-KIRAP PROJECT

OSCAR SYSTEM

4 Main Climate Services

<p>Agro-Met Service</p>	<p>Decision Support for Farming</p>	<p>Crop Climate Diary</p>	<p>Agro-Met Bulletin</p>
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Rationales

Reducing potential damages from climate events	Adaptation to climate change and variability using modeling tools
Supporting climate sensitive agriculture policies via state-of-the-art scientific results	Increasing resilience to climate variability in every day farming activities

Contributing PARTNERS

- Vanuatu Meteorology and Geohazards Department (VMGD)
- Secretariat of the Pacific Regional Environment Programme (SPREP)
- Green Climate Fund (GCF)
- Department of Agriculture and Rural Development (DARD)
- APEC Climate Center (APCC), Korea
- EPINET.co.,Ltd.



OSCAR

tailored System of Climate services for Agriculture



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SUPPORT FOR STABLE AGRICULTURAL ACTIVITIES

IMPROVING THE PRODUCTIVITY OF FIELD CROPS

FARM CUSTOMIZED CLIMATE SERVICE

Web-based DSS
Mobile device-compatible DSS



Crop Climate Diary (CCD)

Just take photo to collect crop growth and yields

#machine learning
#computer vision

Farming Advisory

Decide crop modeling and traditional knowledge-based optimal farming practices

#APCC mme seasonal forecasts
#crop modeling and decision trees



Conversion



Vanuatu Digital Soil Map

Access digitized soil map and data online. A simple yet powerful way to utilize soil data

#more than 20 soil properties
#essential data for agricultural decision making

Interactive Weather Map

Explore high-quality near real-time weather data where you are now

#gap-filling
#quality-control



Climate Extremes & Agromet indices

Get early warning information for agricultural practices

#satellite image-based high resolution data
#monitoring and forecasting



Automatic Weather Station

