



Common Sensing DRR Workshop (Vanuatu)

United Nations Satellite Centre UNOSAT

- ☐☐ : Workshop
- ☐☐ : Port Vila , Vanuatu
- ☐☐ : 11 3☐ 2019
- ☐☐ : 1 Days
- ☐☐☐☐ : Satellite Imagery and Analysis
- ☐☐ : <http://www.unitar.org/unosat>
- ☐☐ : US\$0.00
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- ☐☐ : CommonSensing Consortium Partners



IPP CommonSensing (CS) is an international project based on a partnership between Fiji,

Solomon Islands and Vanuatu, and a consortium of international partners, working together

to support and build climate resilience and enhance decision making through the use of

satellite remote sensing technology.

One of the key focus areas for the project is disaster risk reduction (DRR), where high-

resolution satellite imagery and products, hazard and vulnerability models and decision

support system will be made centrally available to the government. The project proposes to:

- Establish an integrated spatial decision support system for Disaster Risk Management

(DRR) and Climate Change Adaptation (CCA);

- Assess risk scenarios at subnational level with projection for the future;
- Assist government with disaster loss reporting to Sendai Framework Monitor and

development Subnational Disaster Risk iNFORM index;

- Support development of high-fidelity exposure database for major settlements area

utilising very high-resolution satellite imagery to be delivered through the project;

- Provide technical backstopping to different ministries in geospatial DRR topics by an

in-country officer;

- Provide basic and advanced training on the use of geospatial information, thus improving their uptake and full utilisation of CommonSensing services;

- Training technical specialists and decision makers within selected ministries to interpret

geospatial risk information and incorporate this into their planning processes;

- Utilise Open Data Cube technology and Analysis Ready Data to provide information for

CCA and DRR;

- Raise awareness about satellite remote sensing applications for DRR, with decision-

makers in government, business and community organisations;

- Map digital Data Poverty and assess its' impacts on vulnerability across partner countries and districts;

- Develop a mobile application for crowd sensed verification of hazardous terrain and vulnerable features;

- Assess the feasibility of geoinformation layers being used for Augmented Reality

visualisation of risk landscapes;

- Assess the feasibility of secondary schools becoming disseminators of geospatial

information for DRR applications, even in remote locations;



The workshop aims to bring together CS project partners from DRR expertise to:

- Present the envisioned solution/possible solutions and products to key stakeholders

and get feedback in terms of usefulness and priorities

- Gain a detailed understanding of decision-making chain around planning for disaster

resilience and pinpoint potential touchpoints with CS geospatial platform

- Scope out detailed functional and non-functional requirements for the front-end and

back-end development of the CommonSensing geospatial platform

- Scope out reporting needs for high-level decision makers

- Discuss data availability, sharing and privacy with technical staff



Who we expect to join: technical staff, especially GIS experts and researchers who use

geospatial information or maps in their day-to-day job; advisers to government agencies;

higher-level decision makers such as advisers, managers, directors who are involved in policy

making and project planning for disaster risk reduction and want to help build a decision

support platform that suits their specific needs