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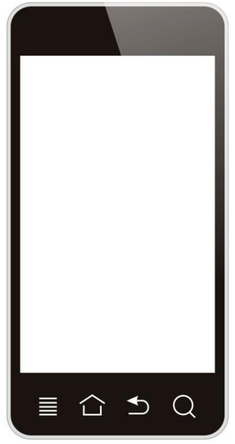
OPENKNOWLEDGEKIT

LOCAL KNOWLEDGE
LOCAL JOBS
LOCAL STEWARDSHIP

Map the Philippines

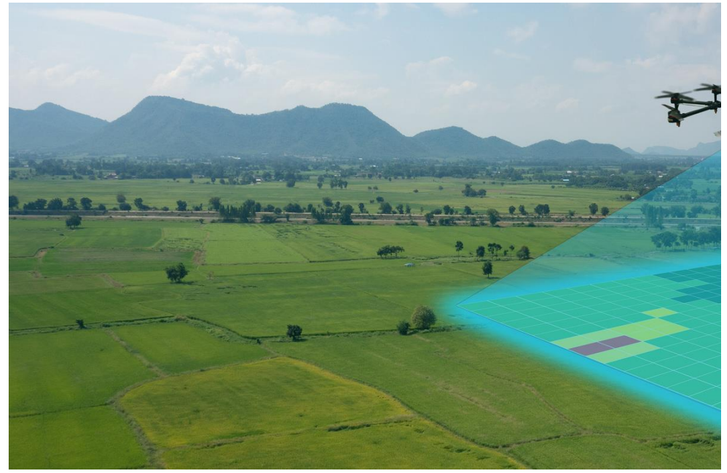
OpenKnowledgeKit is a free and open source tool kit to empower local women with digital employment and stewardship of the economic, climate, and social prosperity of their communities.

The Innovation:
Free and Open Source Software Powers Industry-Leading 3D Reconstruction Processing



3DStreetView

360 Libre



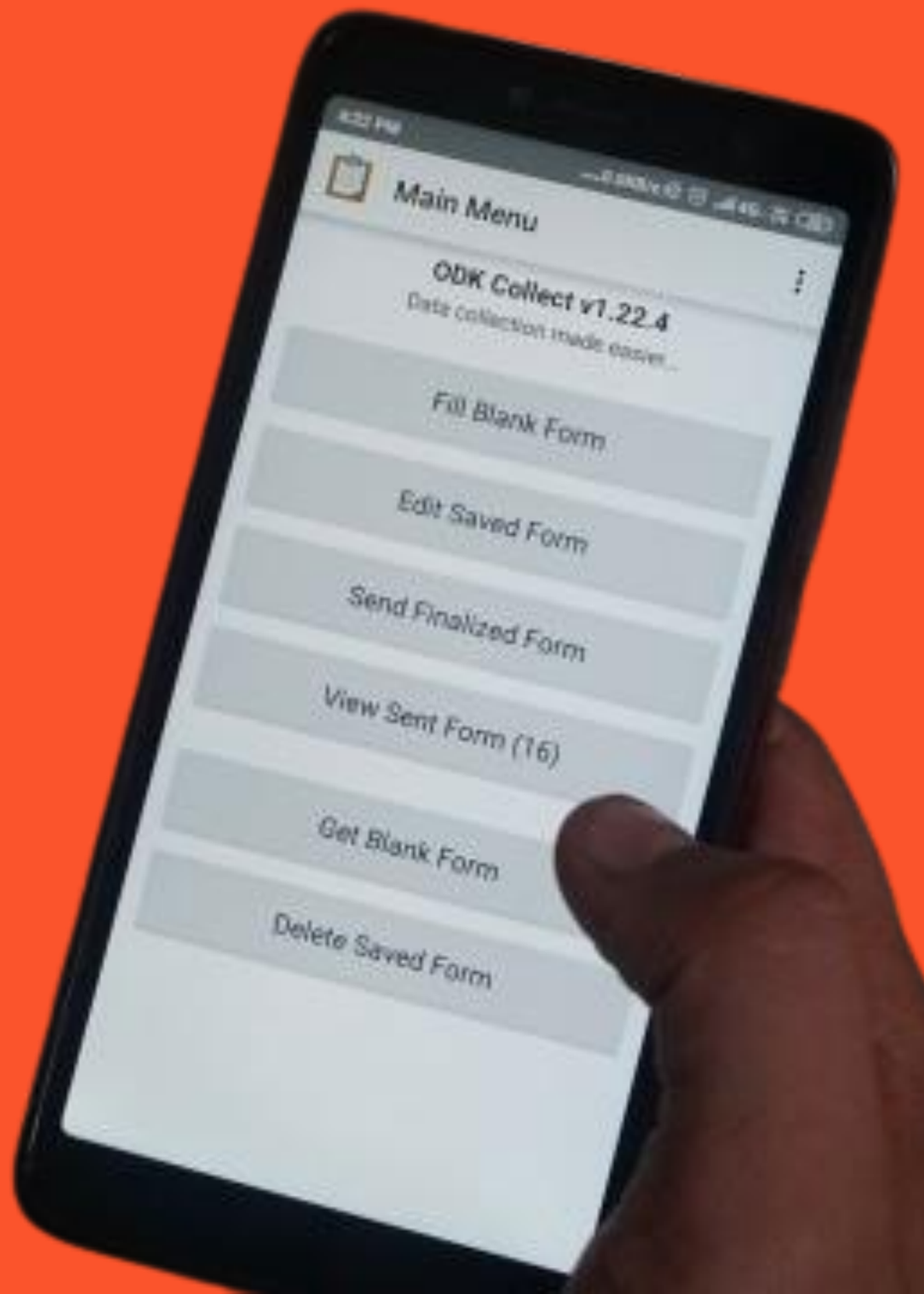
OpenDroneMap

How it Works:

OPEN DATA KIT

Free and Open Source Survey and Data Collection Tool

- Easy to learn
- One hour to set up surveys on any smart phone
- Works without internet



How it Works: 3DStreetView

Trainee: Deohana

Teduray Indigenous mother from the conflict region of the Philippines

20-Minute Video Training:

12 photos = 360 degree image capture

x 3 angles: Up, straight and down angle

36 photos each 360° set

In her first trial, Deohana completed one 360° set in 2.5 minutes, and took photos every 2 meters over a 40 meter road segment.

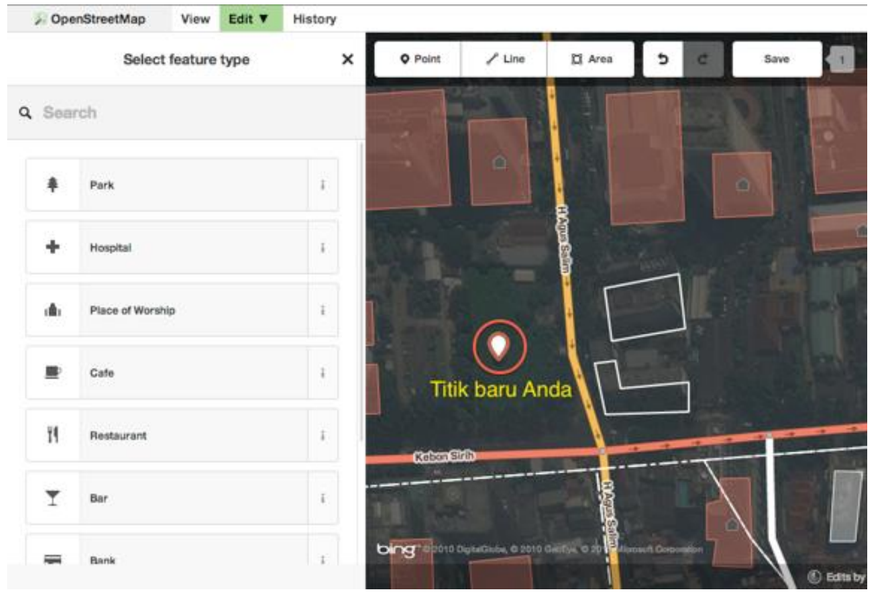
3D reconstruction technology creates accurate, geospatially referenced data used in

- **Land Titles**
- **Disaster and Climate Change Models**
- **Transportation and Logistics Planning**
- **Infrastructure Planning and Monitoring**

Interoperability with the World's Leading Free and Open Source Map Editing Platform

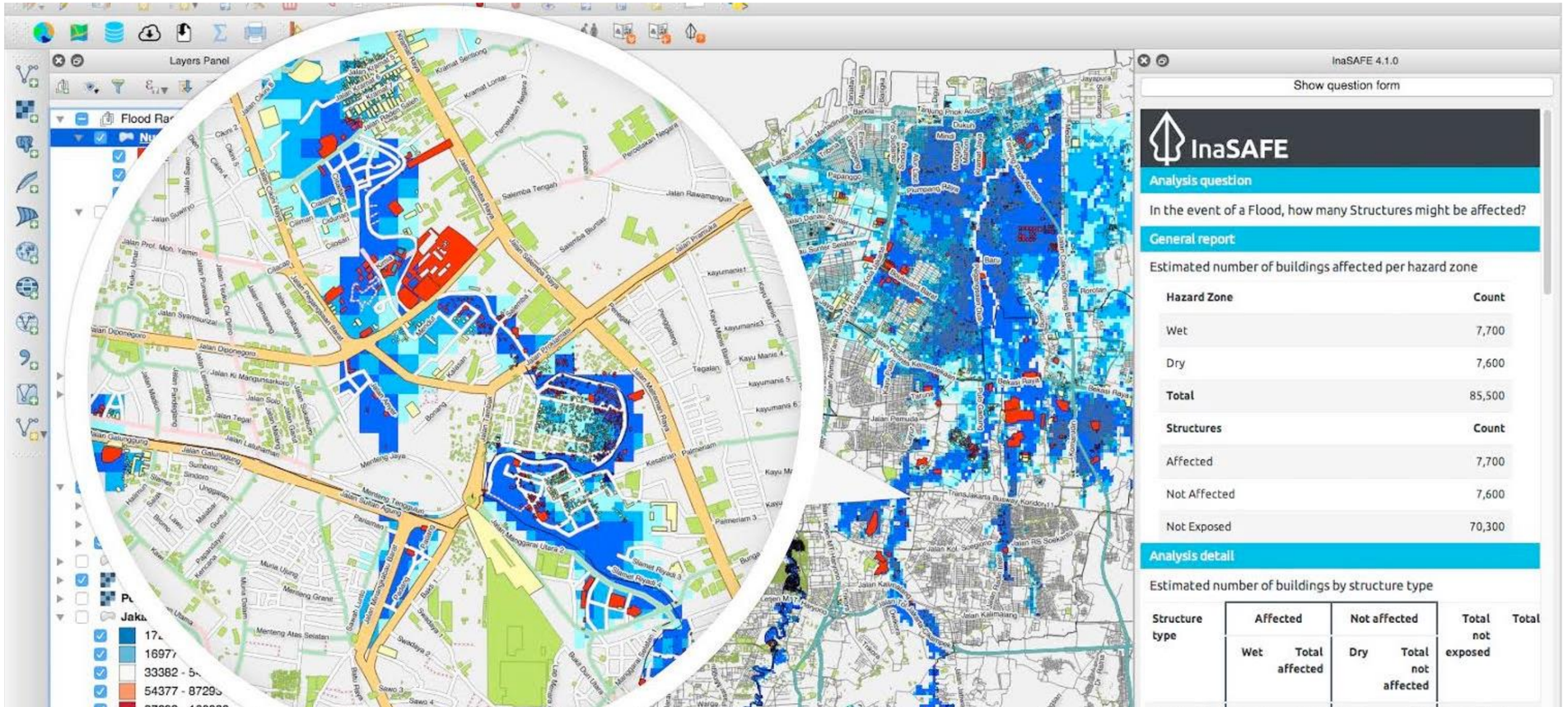
OpenStreetMap

- 7 million global users
- 6 free satellite imagery sources for remote mapping and validation
- 1-minute, 30 minutes and up to 3-day remote mapping tutorials



Interoperability with the QGIS, the World's Leading Free and Open Source Mapping Analytics Platform

QGIS



OpenKnowledgeKit Founding Organizations

United States

Netherlands

Tanzania

Authonomous Region of Tanzania

Map the Philippines

Philippines

Map the Philippines
PILIPINAS
MNLA

OpenMap
Development
Tanzania

Empowering women through entrepreneurship, freelancing and remote work

CONNECTED
women

Immediate Digital Employment Opportunities in Marginalized Communities 100m at a Time

Global Initiatives: 2021 UN Decade of Action for Road Safety

Bloomberg Philanthropies

iRAP

International Road Assessment Programme

WORLD BANK GROUP

GRSF

Global Road Safety Facility

Immediate Opportunities for Women-Led Local Survey and Map Data Collection for Global Covid-19 Recovery Efforts

The Ability to Complete Accurate Disaster and Climate Change Risk Mapping After Decades-Long Delays

178 Country Indigenous and Community-Conserved Areas (ICCAs)

UN environment
United Nations Environment Programme

TOGETHER WE ACHIEVE
THE UNITED NATIONS PERMANENT FORUM ON INDIGENOUS ISSUES
#WEAREINDIGENOUS
#GLOBALGOALS
UN.ORG/INDIGENOUS

The ICCA Consortium

UNDP

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Map the Philippines