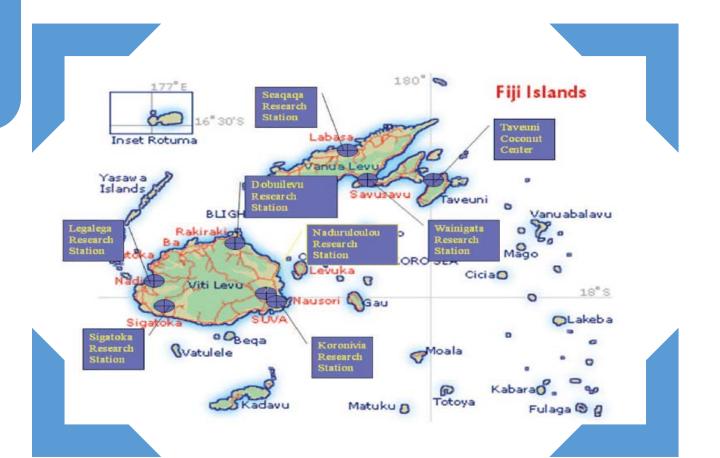
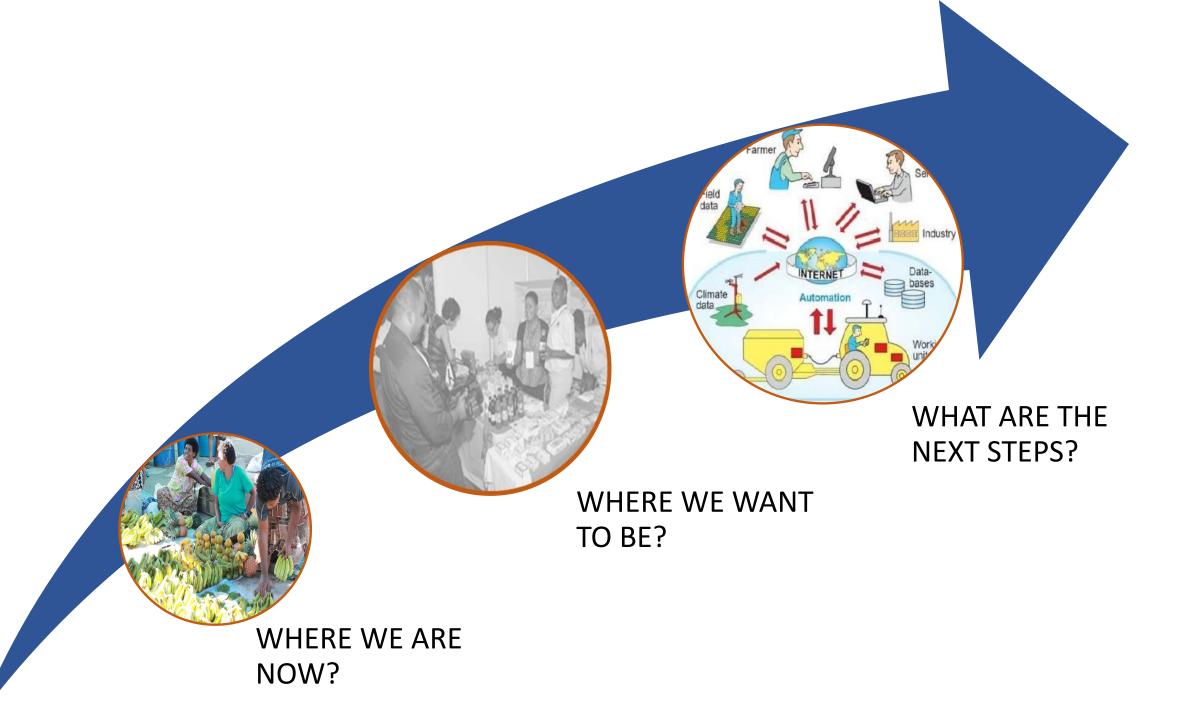




## AGRICULTURE DEVELOPMENT AND ICTs IN FIJI





## National Goal: "Build Sustainable Communities"

Establish a Diversified, Economically & Environmentally Sustainable Agriculture Economy in Fiji

Build a Modern Organized Agriculture

Improve Delivery of Support Services

#### **Policy Objectives**:

**Rural Transformation Center (RTC) Approach** 

Information on Crop and Livestock Products Information on new Technology on seeds, fertilizer & machinery

GIS based management system to be used in the integrated research, training, production & processing system

**Community Level Early Warning Systems** 

#### **Policy Objectives:**

Industry Focused
Climate Smart Agriculture
Value Adding & Marketing
Credit- Develop Financial Products
for SMEs
Research, Training, & Extension
Convergence
Innovative Business Models

### WHERE WE ARE NOW?

National ICT Policies exist

Use of GIS Technology

Online Software Assessment Tools used for IRA and Drought Monitoring

Weather & Early
Warning Capacity at
Extension Stations







#### **FIJI CROP & LIVESTOCK COUNCIL**

Farmer- oriented SMS Mobile Phone Service (Application)

10,000 registered farmers

Apps include:

mRegistration, mAlerts & mPolling (for farmer registration and support),

AgriTips, mPrices (market information),
mCollect,
Fiji Makete

#### **GIS TECHNOLOGY**

Farmers Baseline Survey – GPS Locators

District Boundaries – Agriculture Locality Officers Boundaries

Agriculture Risk Mapping – Using Agriculture Data to produce Risk Maps

AGROMET INFORMATION and ONLINE ASSESSMENT TOOLS

Weather Forecasting capacity in Agriculture Research Stations – Use of the Stevenson Screen, Rain Gauge

Online Assessment Capacity used for Initial Rapid Assessments and Drought Monitoring Surveys - Kobotoolbox



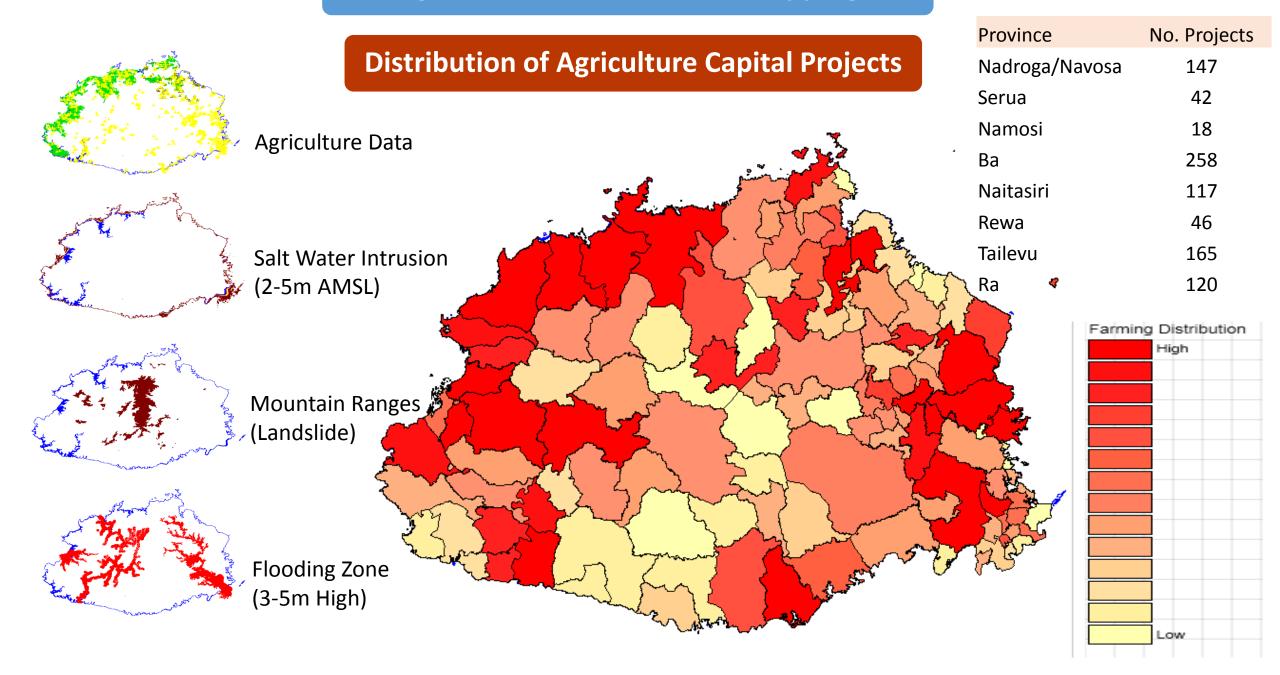
INCREASING ACCESS
TO MARKET
ANALYSIS & TRADE
INFORMATION

Benefits: Alternative way to market produce,
Inexpensive (e.g. Buyers do not have to run around looking for produce),
Establishes a relationship between buyers & sellers (farmers/producers), Price of produce is known – Enables Good Decision Making

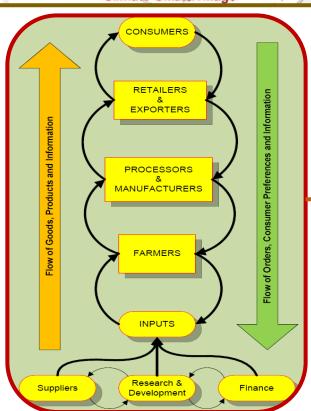
Challenges: Farmers
do not have access
to internet, Cost of
txt message,
Availability of
Experts.



#### **Agriculture Risk Informed Mapping**







WHERE WE WANT TO BE?

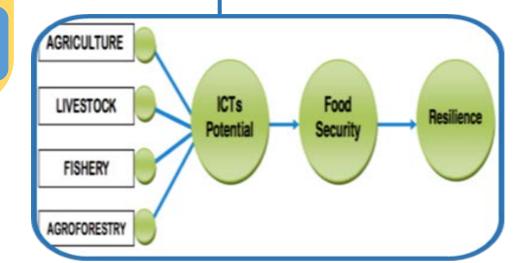
**Precision Agriculture** 

Climate Smart Agriculture

Sustainable Agriculture Development

Value Chain and Market Accessibility





## WHAT ARE THE NEXT STEPS?



Institutional Arrangements & Politics





Information
Management &
Sharing



**Finance** 



**Localising ICTs** 



ICT
Infrastructure
& Literacy



Understanding the Potential for & Adapting to E-Agriculture



# Thank you