



Quick Scan Myanmar

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Outline of presentation

- Assessment of Myanmar with a focus on agricultural issues
- Assessment of status and problems of information supply in the agricultural sector
- Relevant organisations and initiatives
- Needs assessment and inventory of potential solutions using geo-ICT



Assessment of Myanmar with a focus on agricultural issues (1)

Main challenges Myanmar's agriculture sector:

- Climate change
- Access to finance
- Labour availability and access to machinery
- Access to knowledge
- Access to inputs
- Quality and marketing of products



Assessment of Myanmar with a focus on agricultural issues (2)

Government policies:

- **Agriculture:** Agricultural Policy (Second Short Term Five Year Agriculture Policies and Plans) and Agricultural Development Strategy (ADS)
- **Food security:** National Plan of Action on Food and Nutrition (NPAFN)
- **Climate change:** Myanmar Climate Change Strategy and Action Plan (MCCSAP) 2016-2030



Assessment of status and problems of information supply in the agricultural sector (1)

- Government extension services under-resourced and in need of reform
- Private sector extension services linked to inputs have a wide reach, but not always giving sufficient advice to farmers for responsible and efficient use
- NGOs and IOs extension services only active in limited areas of the country



Assessment of status and problems of information supply in the agricultural sector (2)

- Farmers also use information from radio, television, printed materials, peer learning, and since recently mobile applications
- Mobile applications still in early stage of development, farmers in need of more personalized advice



Assessment of status and problems of information supply in the agricultural sector (3)

Government:

- Weak infrastructure and capacity of human resources
- Data often scattered, not digitalized, and inaccessible
- Regulatory framework for crop insurance not ready



Assessment of status and problems of information supply in the agricultural sector (4)

Telecom sector:

- MPT, Telenor and Ooredoo had already licenses, in January a fourth license was given to MNTC
- Mobile penetration 85% in 2016 (46 million subscribers)
- Smartphone adoption 70% in 2016 (global average 49%)
- Ooredoo and Telenor have also launched 4G, MPT is testing



Relevant organisations and initiatives (1)

Government

Ministry of Agriculture, Livestock and Irrigation (MoALI) (including DoA, DALMS, DIWRUM, and ITC)

Ministry of Natural Resources and Environmental Conservation (MoNREC)

Ministry of Transport (MoT), Department of Meteorology and Hydrology (DMH)

Ministry of Planning and Finance (MoPF), Department of Financial Regulation



Relevant organisations and initiatives (2)

International Organisations

FAO

IFAD

WFP

ADB

World Bank

OCHA/MIMU

IWMI



Relevant organisations and initiatives (3)

Private sector
Myanmar Rice Federation (MRF) and its company Myanmar Agribusiness Public Corporation Limited (MAPCO)
Myanmar Pulses, Beans & Sesame Seeds Merchants Association (MPBSMA)
Myanmar Fertilizer, Seed and Pesticide Entrepreneurs Association (MFSPEA)
Awba
Arcadis
Fresh Studio
East West Seeds
SoilCares



Relevant organisations and initiatives (4)

Farmers Organisations

Local and international NGOs

Food Security Working Group (FSWG)

Cordaid

ICCO

SNV



Relevant organisations and initiatives (5)

Mobile providers

MPT

Telenor

Ooredoo



Relevant organisations and initiatives (6)

Farmer application providers

Impact Terra

Green Way / Greenovator

Miaki

Blue Ocean



Relevant organisations and initiatives (7)

Satellite information providers

Mandalay Technologies

SUNTAC

SarVision

Terrasphere

Satelligence



Relevant organisations and initiatives (8)

Donors/bilateral projects
Netherlands' VEGCAP and VEGImpact projects
USAID's SERVIR Mekong
SDC's OneMap project
Norway's IWRM project
KOICA
JICA



Relevant organisations and initiatives (9)

Foreign universities

Delft University of Technology

Wageningen University and Research (WUR)



Needs assessment and inventory of potential solutions using geo-ICT

- Strong need for agricultural information and advisory services tailored to needs of individual farmers, e.g. on use of pesticides or fertilizers, and localized weather forecasting services, but should preferably be embedded in broader package of agricultural advisory services
- Crop forecasting through remote sensing could be relevant for Myanmar government and traders, but not directly beneficial for farmers, so proposal would have to demonstrate interest for smallholder farmers
- Index based crop insurance and insurance of credit schemes is relevant, but apart from technical challenges, regulatory framework is considered not ready, which will make it hard to roll out within 3 years project period



Questions?





Thank you for
your attention

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