



Food and Agriculture  
Organization of the  
United Nations

# Towards a mapping of tools and approaches for monitoring FLR

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Drylands & Forest and Landscape  
Restoration (FLR) Monitoring Week

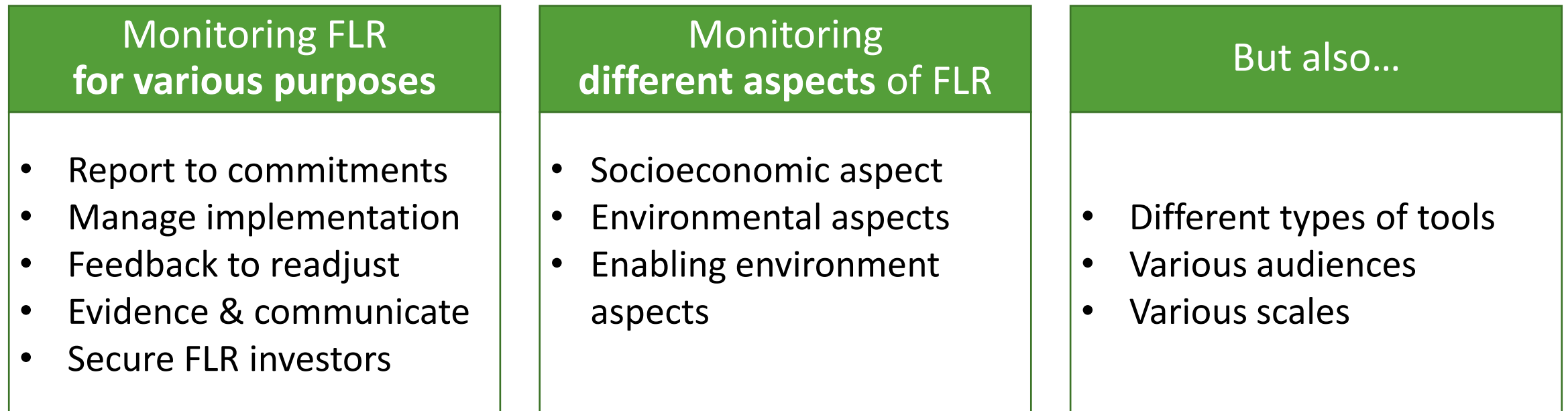
April 2016 – Rome, Italy





# How can we match the offer to the demand?

We have identified the demand in terms of **monitoring FLR** ...



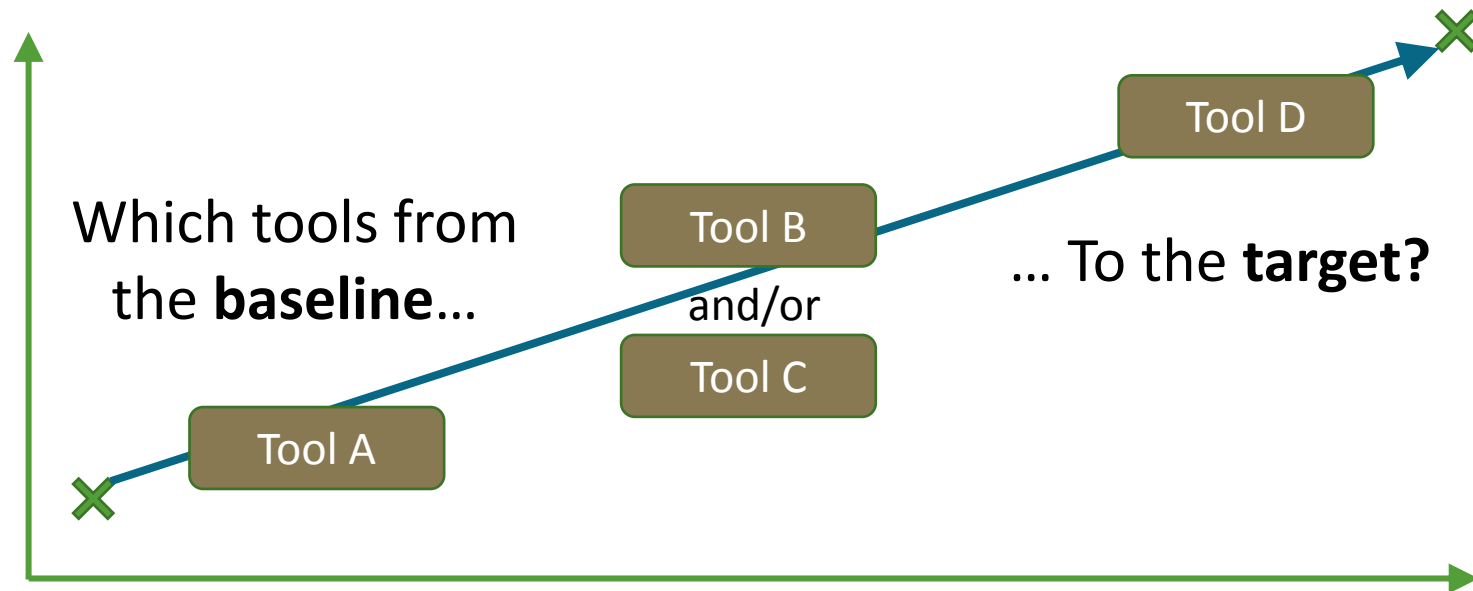
How does the offer correspond to this demand? How should we complement?



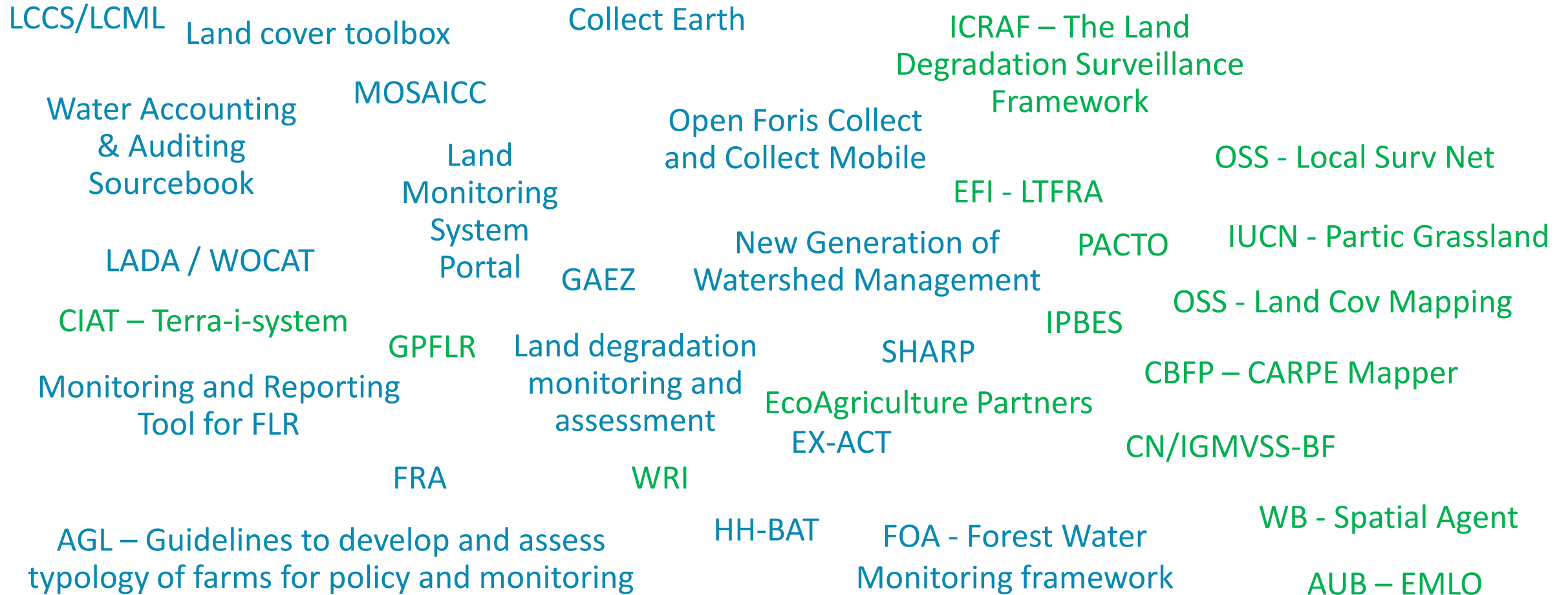
# Objectives

1. Take stock of the various tools and approaches within FAO and beyond

2. Propose a preliminary mapping to highlight gaps and opportunities



# What is the offer of tools and approaches for monitoring FLR?



**BLUE** Tools identified through FAO stock-taking

**GREEN** Other tools, identified for both assessment and monitoring

# Going beyond the stock taking: mapping available tools



## A simple survey...

<b>NAME OF THE INSTRUMENT</b>	
<b>Contact points</b>	
<b>Type of instrument</b> (Please tick where suitable)	<input type="checkbox"/> Guidelines or other normative tool <input type="checkbox"/> Methodology or approach <input type="checkbox"/> Tool for data collection <ul style="list-style-type: none"> <li><input type="checkbox"/> Web-based application</li> <li><input type="checkbox"/> Data type:                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Remote sensing</li> <li><input type="checkbox"/> Ground based collection of data</li> <li><input type="checkbox"/> Survey</li> </ul> </li> </ul> <input type="checkbox"/> Repository of data and information <input type="checkbox"/> Illustrative knowledge product (good practices, case studies...)
<b>STATUS OF IMPLEMENTATION</b>	
<b>Name of the project(s) / programme(s) in which this instrument is implemented</b>	
<b>Countries in which the instrument is used and status of implementation</b> <small>(please for each country / group of countries / region that you identify, state "to be launched", "ongoing", "final results available")</small>	<i>Example:</i> - To be launched in Turkey - Ongoing in Senegal - Final results available for South America (Brazil, Chile and Bolivia)
<b>Ongoing partnerships</b> <small>(please fill in within FAO and with other institutions)</small>	- Within FAO: <i>please detail</i> - With other institutions: <ul style="list-style-type: none"> <li><input type="checkbox"/> Governments: <i>please detail</i> _____</li> <li><input type="checkbox"/> Academia: <i>please detail</i> _____</li> <li><input type="checkbox"/> Development partners: <i>please detail</i> _____</li> <li><input type="checkbox"/> Donors: <i>please detail</i> _____</li> <li><input type="checkbox"/> International NGOs: <i>please detail</i> _____</li> <li><input type="checkbox"/> National NGOs: <i>please detail</i> _____</li> <li><input type="checkbox"/> Others: <i>please detail</i> _____</li> </ul>

- Type of instrument
- Status of implementation
- Use of the instrument
- Process of implementation
- Challenges and opportunities

24 questionnaires collected so far, mapping tools available across many organizations (FAO, OSS, IUCN, CIFOR, World Bank...), with activities in >20 countries

Instrument	Guidelines, normative work	Methodology or approach	Tool for data collection	Web-based application	Remote sensing / GIS	Ground-based	Survey	Repository of data & info	Illustrat. knowledge product	Assessment	Monitoring	Land-use planning	Implementation	Upscaling (KM, CD, PS)	Policy support / Decision making	Actions against deforestation & land degradation	SLM	ILM	FLR
DDN - Land Cover		X	X		✓					X	X					X			
DDN - LCCS/LCML		X	X		✓	✓	✓			X <sub>2</sub>	X <sub>1</sub>	X <sub>3</sub>				X			X
DDN - GAEZ	X	X	X	✓	✓	✓	✓	X		X <sub>3</sub>	X <sub>2</sub>	X <sub>1</sub>		X			X		
AGL - LADA / WOCAT	X	X	X	✓	✓	✓	✓	X	X	X	X	X	X	X		X	X	X	X
AGL - Farm	X	X	X			✓		X	X	X				X	X				
FOA - Collect Earth		X	X	✓	✓		✓			X	X	X				X	X	X	X
FOA - SLMS Portal			X	✓	✓			X		X	X					X			
FOA - Collect / Collect Mobile			X	✓		✓	✓	X		X <sub>1</sub>	X <sub>2</sub>					X		X	
FOA - Water Mngmt PP	X								X	X	X	X					X		
FOA - For Wat		X	X	✓	✓	✓	✓	X		X	X	X	X	X	X		X	X	X
NRC - MOSAICC	X	X	X		✓	✓	✓					X <sub>2</sub>	X <sub>3</sub>	X <sub>1</sub>					
AGL - Water A&AS	X	X	X		✓	✓	✓			X	X						X		
AGA - Biod Ass Liv	X	X							X	X									
FOA - HH-BAT			X				✓			X	X					X	X		
FOA - Mon & Rep FLR	X									X <sub>3</sub>	X <sub>1</sub>			X <sub>2</sub>		X			
FOA - FRA	X	X	X	✓	✓	✓	✓	X		X	X				X	X			X
AGP - SHARP			X			✓				X	X				X		X		
ESA - EX-ACT			X	✓	✓	✓	✓			X	X	X	X	X		X	X		X
AGP - LD monit &		X	X		✓	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X
IUCN - Partic Grassland		X								X					X		X		
OSS - Local Surv Net		X	X			✓	✓	X	X	X	X	X			X	X	X	X	X
OSS - Land Cov Mapping		X	X		✓			X		X	X	X			X	X	X	X	X
WB - Spatial Agent								X	X	X	X	X	X	X	X	X	X	X	X
CIFOR							✓				X				X				X
CN/IGMVSS-BF		X	X		✓	✓			X	X	X	X			X	X	X	X	X

TYPE OF INSTRUMENTS / TOOLS

APPLICATION OF INSTRUMENTS / TOOLS

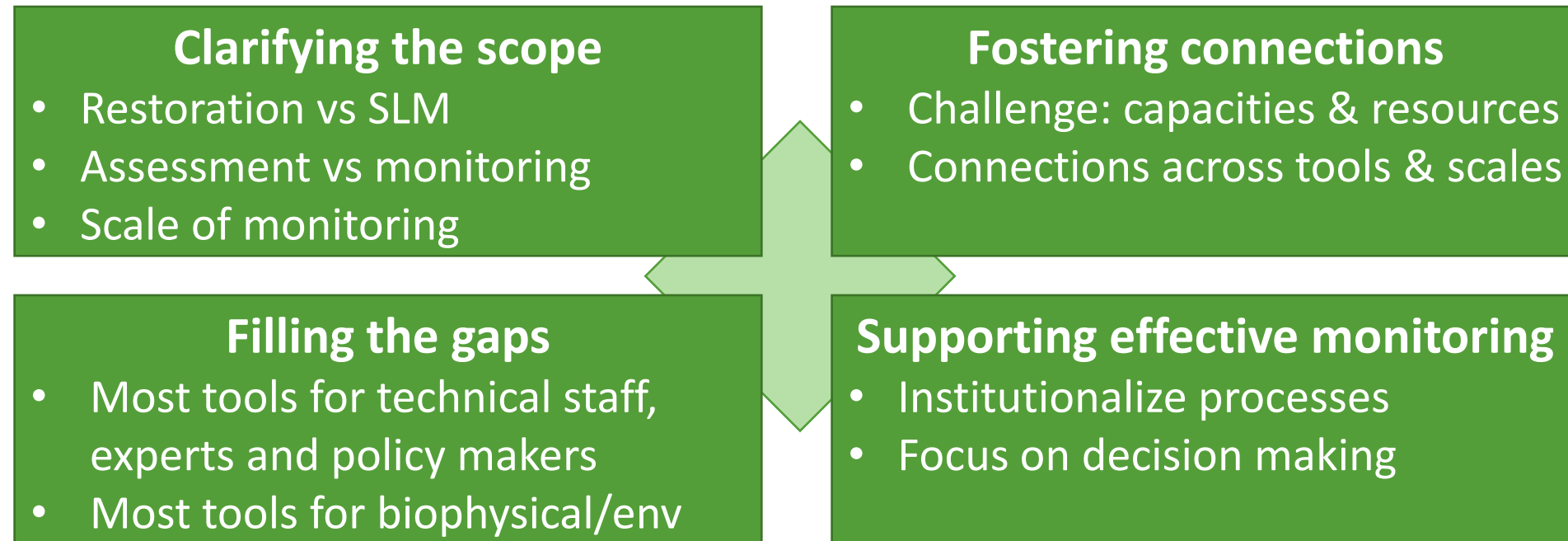
SCOPE OF THE INSTRUMENTS / TOOLS

Instrument	Farm/Household/Forest unit	Microcatchment	Landscape	Subnational	National	Regional / International	Global	Biophysical	Ecological	Socioeconomic	Management	Governance & Participation	Local communities	Technical staff / Experts	Project managers (NGOS...)	Policy makers	Donors	Existence of data	Accessibility of data	Cost of data	Quality of data	Political buy in	Data collection	Human capacities	Onsite technical capacities	Financial resources
DDN - Land Cover							X		X														X			
DDN - LCSS/LCML			X	X	X	X	X		X													X	X			
DDN - GAEZ						X	X	X	X					X		X	X								X	
AGL - LADA / WOCAT		X		X		X																X		X		X
AGL - Farm	X		X	X	X	X	X	X		X	X			X		X	X	X <sub>1</sub>	X <sub>3</sub>	X <sub>1</sub>						
FOA - Collect Earth							X																			
FOA - SLMS Portal																						X	X	X		
FOA - Collect / Collect Mobile	X																						X	X		
FOA - Water		X	X	X	X									X	X							X		X		X
FOA - For Wat	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X		X <sub>4</sub>	X <sub>3</sub>	X <sub>3</sub>	X <sub>2</sub>	X		X		X
NRC - MOSAICC																										
AGL - Water																										
AGA - Biod Ass Liv																										
FOA - HH-BAT	X																									
FOA - Mon & Rep							X																			
FOA - FRA	X				X	X	X		X	X	X	X		X		X	X	X <sub>3</sub>	X <sub>3</sub>	X <sub>3</sub>	X <sub>3</sub>		X	X		
AGP - SHARP	X							X	X	X		X	X		X	X		X <sub>4</sub>	X <sub>5</sub>	X <sub>1</sub>	X <sub>3</sub>			X		X
ESA - EX-ACT		X		X	X			X			X			X	X	X	X	X <sub>3</sub>	X <sub>2</sub>	X <sub>1</sub>	X <sub>2</sub>					X
AGP - LD monit & assmnt		X	X	X	X	X	X	X	X	X	X	X	X	X				X <sub>3</sub>	X <sub>2</sub>	X <sub>1</sub>		X	X			X
IUCN - Partic Grassland			X	X				X	X				X	X	X	X	X	X <sub>1</sub>	X <sub>1</sub>	X <sub>3</sub>						
OSS - Local Surv Net	X	X	X	X				X	X	X			X	X	X			X <sub>2</sub>	X <sub>4</sub>	X <sub>3</sub>			X	X		X
OSS - Land Cov Mapping					X	X			X		X	X		X	X	X		X <sub>1</sub>	X <sub>1</sub>	X <sub>1</sub>			X			X
WB - Spatial Agent	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X <sub>2</sub>	X <sub>1</sub>	X <sub>1</sub>				X	X	X
CIFOR							X	X			X	X		X	X	X	X									
CN/IGMVSS-BF	X		X	X	X			X	X	X	X	X	X	X	X	X		X <sub>1</sub>	X <sub>5</sub>	X <sub>3</sub>	X <sub>2</sub>	X		X		X

# Building on the mapping to identify opportunities and gaps



- **A strong ground for action:** various types of tools, relevant at different scales , from assessment to implementation and feedback. Many tools with high potential to be used.
- **Opportunities and gaps:**







# How can we move forward?

*FAO internal consultation 03/2016*

## A roadmap on monitoring FLR for FAO...

1. Build the FLR toolbox
2. Collaborate at country level to put tools in action
3. Contribute to other initiatives
4. Support countries in reporting to their commitments



That could grow bigger and  
become shared with others?



Can we build collaboratively and strengthen that roadmap?