



# 4 p 1000 Initiative Criteria and indicators



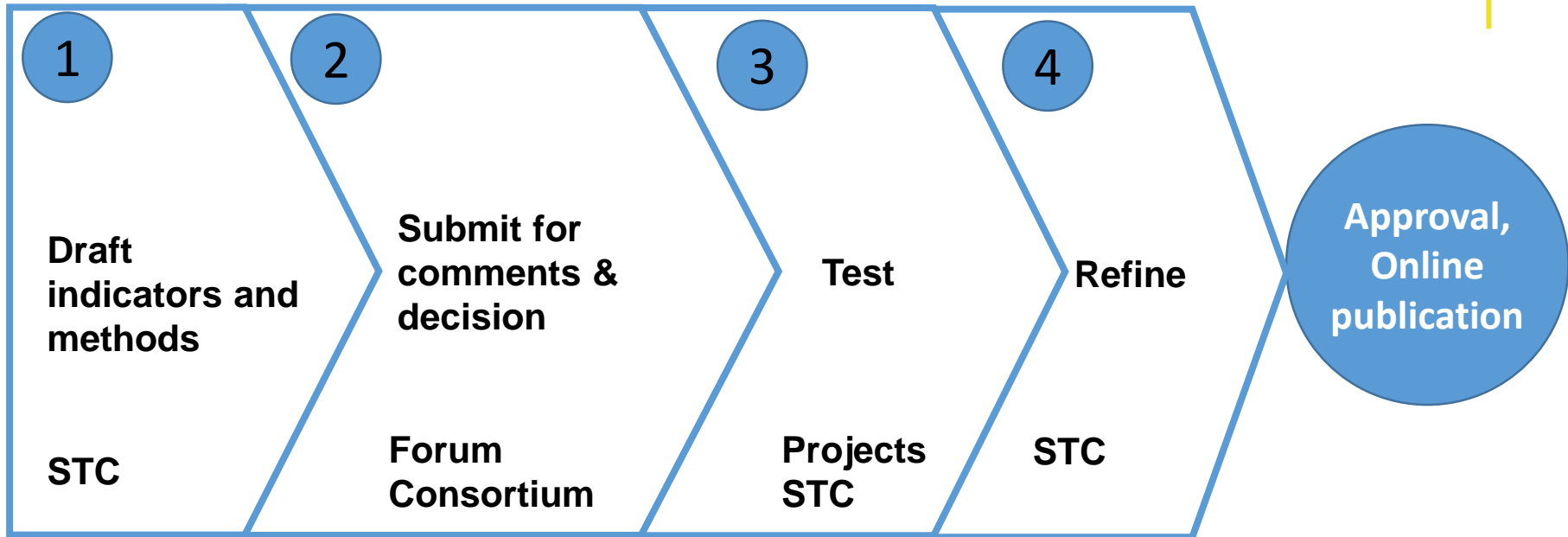
# STC's task

The Consortium requested the STC to:

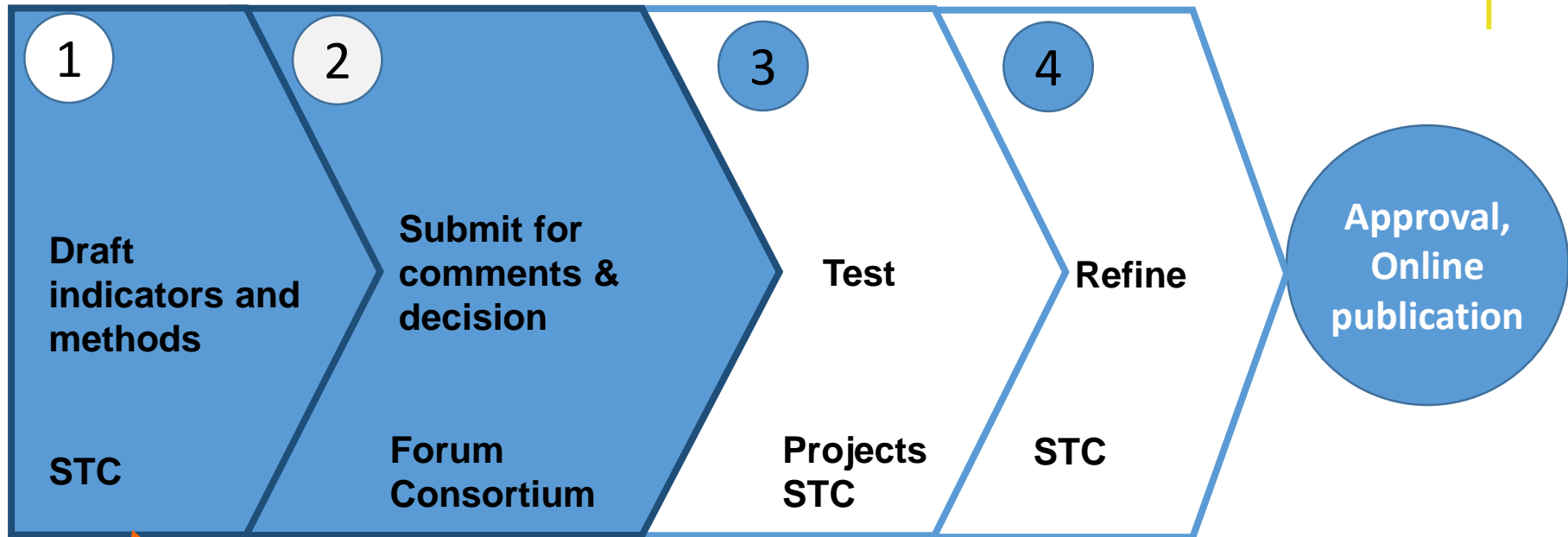
Develop a set of criteria for the formative  
assessment of projects that contribute to the  
4p1000 goal



# The process



# The process



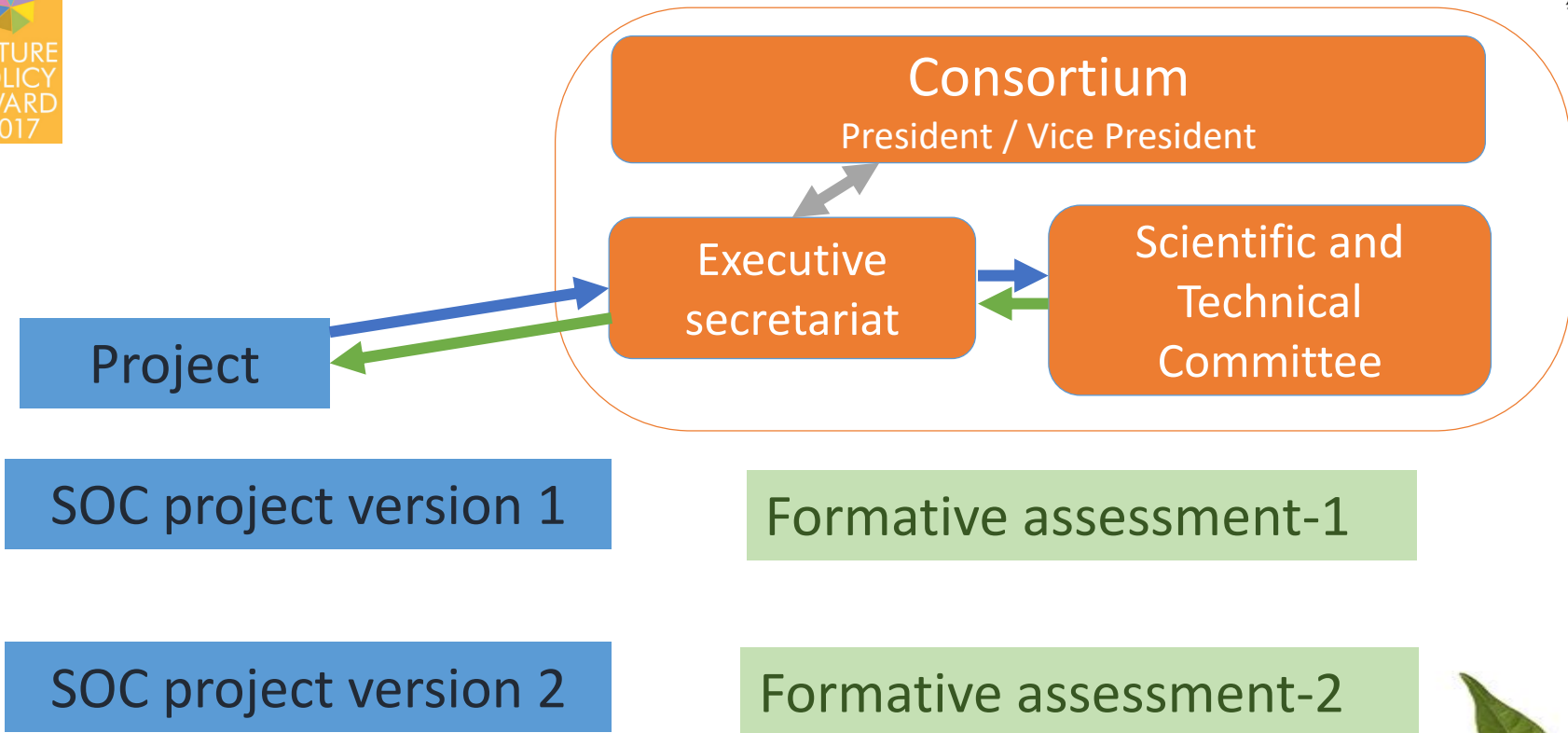
↑ We are here

*Technical paper on indicators available  
on the conference internet site*





# Proposed assessment procedure



- **Project description**
- **Criteria and indicators**
- **Code of conduct**



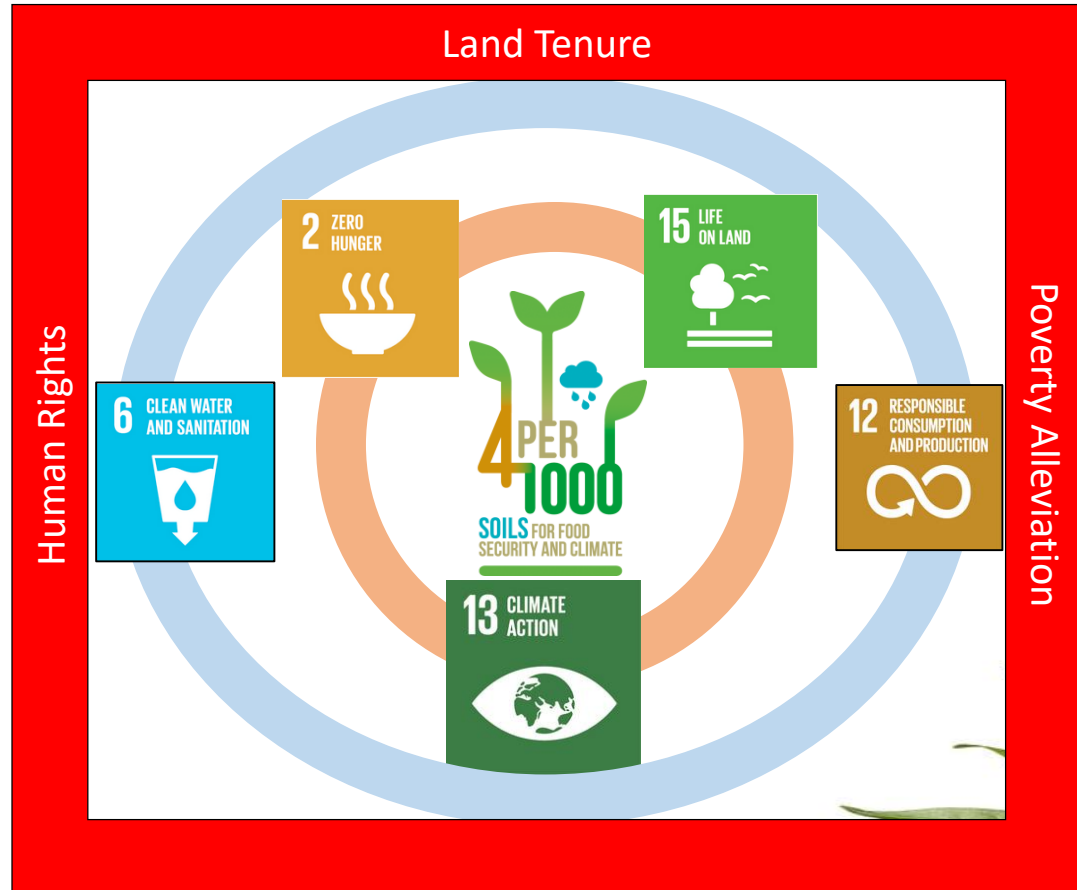
# Assessment Framework



Direct targets

Indirect targets

Safeguard targets: avoid harmful impacts



# Four sequential steps for project assessment

## Step 1: Safeguard Criteria

## Step 2: Direct Criteria

## Step 3: Indirect Criteria

## Step 4: Crosscutting Criteria

### Contents

Does not compromise

- human rights
- land rights
- poverty alleviation

- SOC stocks and land degradation neutrality (SDG 15)
- Climate change adaptation
- Climate change mitigation (SDG 13)
- Food security (SDG 2)

- Welfare & well-being (SDG 12)
- Biodiversity & ecosystem services (SDG 15)
- Water and nutrients cycles (SDG 6)

- Training and capacity building
- Participatory and socially inclusive approaches

### Requirements

Need to meet all criteria

SOC + doesn't compromise others

Narrative advice to improve the quality of the project **before and during implementation**



# Example of criteria

Direct criteria	Dimensions	Indicator	Default method
2.1 Soil conservation and land restoration	<ul style="list-style-type: none"> <li>Land restoration</li> <li>Agricultural practices</li> <li>Forestry practices</li> </ul>	Fraction of land under recognised conservation/ restoration practices	Land use and management survey; nature and duration of practices
<b>2.2 Soil organic carbon stock increase</b>	<ul style="list-style-type: none"> <li>Baseline</li> <li>Soil depth</li> <li>Time scale</li> <li>Reversibility</li> <li>Leakage</li> <li>Additionality of practices</li> <li>Indirect accounting</li> </ul>	Change in SOC stock per year compared to baseline (0-30 cm).	<ul style="list-style-type: none"> <li>IPCC Tier 1-3</li> <li>Validated MRV methods</li> </ul>
2.3 Climate change mitigation	<ul style="list-style-type: none"> <li>N<sub>2</sub>O and CH<sub>4</sub> emissions</li> <li>Fossil energy use</li> <li>Life cycle assessment</li> </ul>	Positive CO <sub>2</sub> e balance Reduction in productivity	IPCC Tier 1-3; validated MRV methods





# Next phase: Testing the method

- 3 - 5 projects
- Criteria for selection
  - Geographic, climatic and agroecological diversity
  - Size of project (regional to local)
  - Mix of proposed and existing projects
  - Mix of private and public funding
  - Strong interest of project holder
- Desk assessment + project consultation
- Report and feedback to projects



# Questions

- Strengths and weaknesses of the approach?
- Who should we engage as primary users?
- Would you submit your project(s) to the STC for assessment?
- Other suggestions?



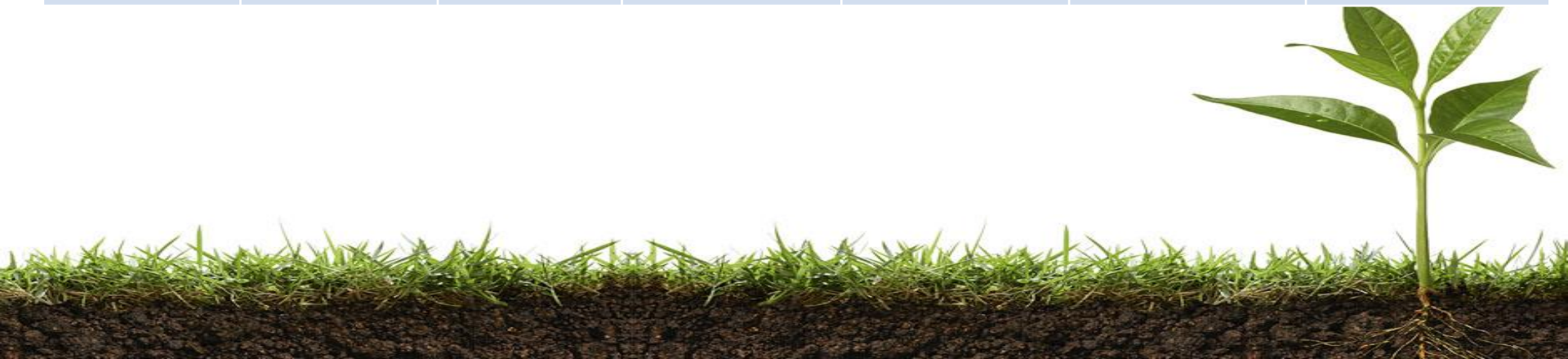
**Thank you for your attention.**

**Looking forward to discussion.**



# Step 1- Safeguards criteria

Safeguard criteria	Main dimensions to be covered				Default indicator	Default method
1.1 Human rights	Children	Gender	Minorities	Forced/unpaid work	Size and fraction of local population affected (negative, neutral, positive)	The project holder needs to provide elements of evidence before the project begins
1.2 Land tenure rights	Land grabbing	Conflicts	Population displacement	Litigation Equity		
1.3 Poverty alleviation	Farmers income distribution	Subsidies and taxes distribution	Other revenues distribution	Employment rate		





## Step 2 : direct criteria - a

Direct criteria	Dimensions	Default indicator	Default method
2.1 Soil conservation and land restoration	<ul style="list-style-type: none"> <li>Land restoration</li> <li>Agricultural practices</li> <li>Forestry practices</li> </ul>	Fraction of land under recognised conservation/ restoration practices	Land use and management survey; nature and duration of practices
2.2 Soil organic carbon stock increase	<ul style="list-style-type: none"> <li>Baseline issues</li> <li>Soil depth</li> <li>Time scale</li> <li>Reversibility</li> <li>Leakage</li> <li>Additionality of practices</li> <li>Indirect accounting</li> </ul>	Change in SOC stock per year compared to baseline (0-30 cm).	<ul style="list-style-type: none"> <li>IPCC Tier 1-3</li> <li>Validated MRV methods</li> </ul>
2.3 Climate change mitigation	<ul style="list-style-type: none"> <li>N<sub>2</sub>O and CH<sub>4</sub> emissions</li> <li>Fossil energy use</li> <li>Life cycle assessment</li> </ul>	Positive CO <sub>2</sub> e balance No production leakage (reduction in productivity)	IPCC Tier 1-3; validated MRV methods



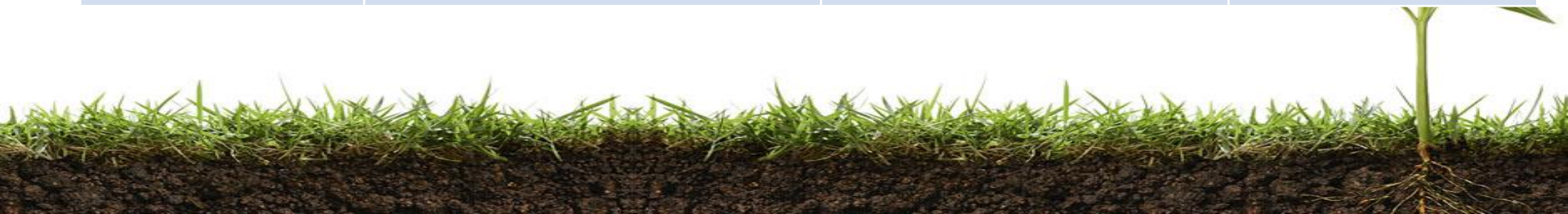
# Step 2- Direct criteria-b

Direct criterion	Main dimensions to be covered	Default indicator	Default method
2.4 Climate change adaptation	<ul style="list-style-type: none"> <li>• Production stability</li> <li>• Resilience to extreme events</li> </ul>	<ul style="list-style-type: none"> <li>- inter-annual yields/production variability</li> <li>- Production losses upon extreme events</li> <li>- Irrigation needs</li> </ul>	Space for time (documented examples)
2.5 Food security	<ul style="list-style-type: none"> <li>• Supply and stability</li> <li>• Access</li> <li>• Safety and quality</li> </ul>	<ul style="list-style-type: none"> <li>- Yields and agricultural productivity increased or maintained.</li> <li>- Micro-nutrients contents and food safety preserved or improved.</li> </ul>	Space for time (documented examples)



# Step 3- Indirect criteria

Direct criterion	Main dimensions to be covered	Default indicator	Default method
<b>3.1 Biodiversity</b>	<ul style="list-style-type: none"> <li>• Landscape biodiversity</li> <li>• Plant functional diversity</li> <li>• Protected, patrimonial species</li> <li>• Crop and animal genetic diversity</li> </ul>	<ul style="list-style-type: none"> <li>• Diversity indices</li> <li>• Habitats of protected, patrimonial/endangered species maintained</li> </ul>	Space for time Surveys
<b>3.2 Water resources</b>	<ul style="list-style-type: none"> <li>• Soil infiltration</li> <li>• Annual evapotranspiration</li> <li>• N and P losses</li> <li>• Pesticide losses</li> </ul>	<ul style="list-style-type: none"> <li>• Water balance</li> <li>• N, P, pesticide loads to water bodies</li> </ul>	Space for time Surveys
<b>3.3 Welfare and well-being</b>	<ul style="list-style-type: none"> <li>• Access to education</li> <li>• Access to health</li> <li>• Access to sanitation</li> <li>• Access to communication</li> </ul>	<ul style="list-style-type: none"> <li>- Potential changes compared to business as usual</li> </ul>	Space for time Surveys



# Step 4- Cross-cutting criteria

Direct criterion	Main dimensions to be covered	Default indicator	Default method
<b>4.1 Inclusive and participatory approach</b>	<ul style="list-style-type: none"> <li>• Participatory approach</li> <li>• inclusiveness</li> </ul>	Fraction of stakeholders engaged in the project, inclusiveness of participation	Surveys (reference to be provided)
<b>4.2 Training and capacity building</b>	<ul style="list-style-type: none"> <li>• Technical training</li> <li>• Socio-economic capacity building</li> </ul>	Fraction of stakeholders trained or provided opportunities for capacity building	Surveys (reference to be provided)

