



Incorporating Climate Change Considerations into Agricultural Investment Projects & Programmes

Guidance Document

Investment Centre Division, FAO

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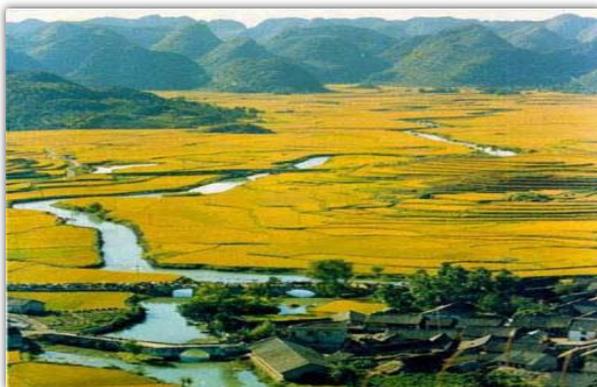
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1. BACKGROUND

Climate Change Affects all Agricultural Sectors



Crop production



Forestry



Livestock production



Fisheries

1. BACKGROUND

Climate Change Affects FS and SD



Availability

- Crop loss

Access

- Transportation, market and financial capacity

Utilization

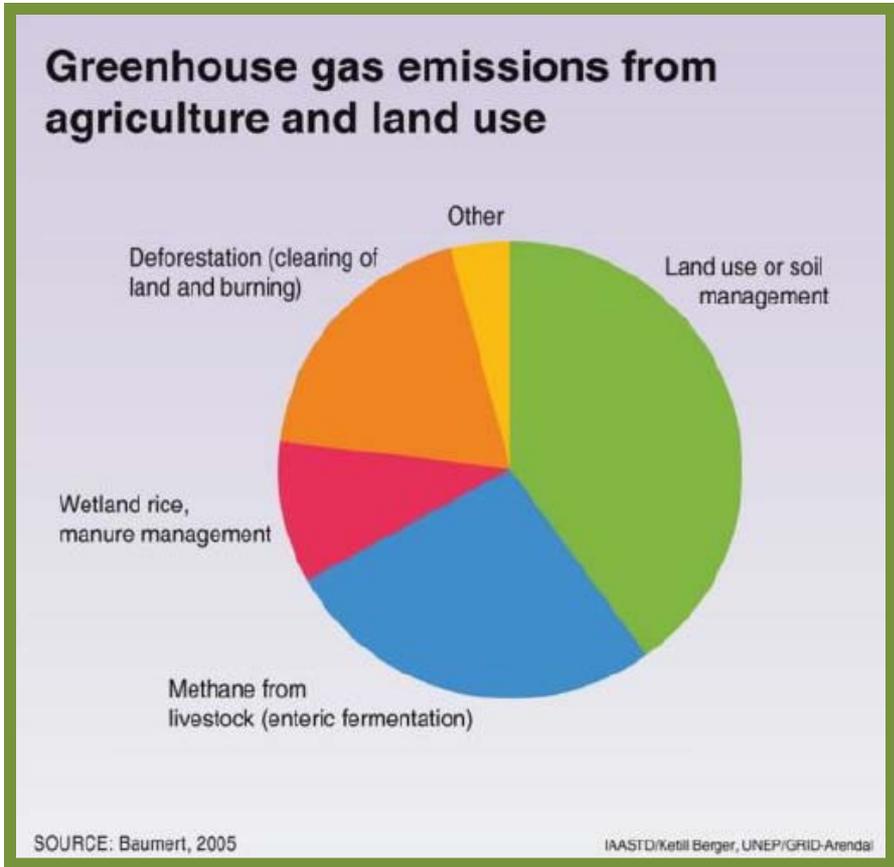
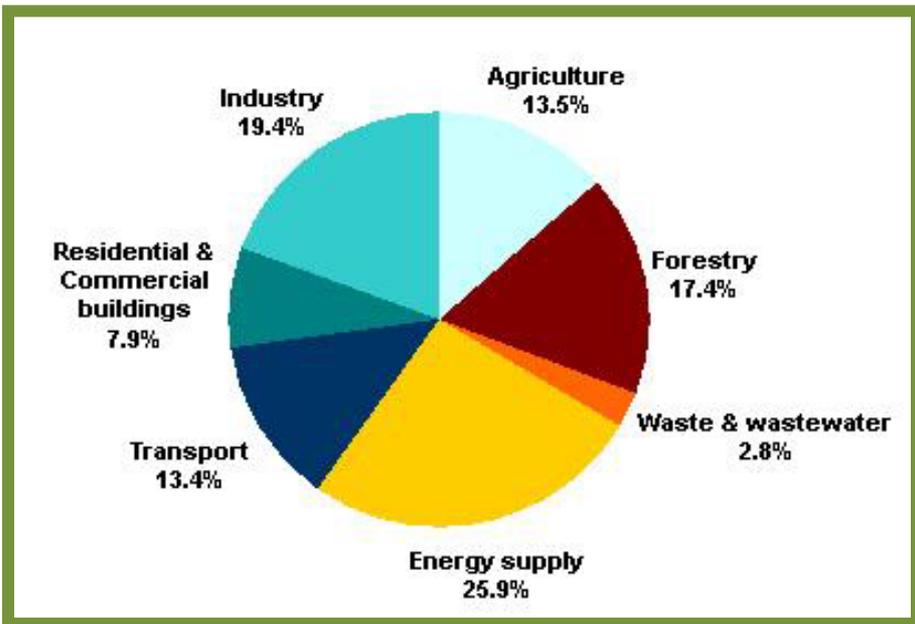
- Processing, water supply and sanitation

Stability

- Seasonal shortage

1. BACKGROUND

Agricultural Sectors Contribute to GHG Emissions





1. BACKGROUND

The Need for Mainstreaming

Mainstreaming

Process by which actions to address the causes and consequences of CC are implemented as part of a broader suite of measures within existing development processes and decision cycles

(UNDG 2010)

Available Tools

- UNDG guidance note on integrating CC considerations in CA and UNDAF
- UNDP and UNEP guide on mainstreaming CC adaptation into development planning
- WB guidance note on mainstreaming adaptation to CC in agriculture and NRM projects



2. PURPOSE OF THE GUIDANCE DOCUMENT

Purpose:

To assist agricultural investment formulation practitioners in incorporating CC considerations into agricultural investment projects.



Audience:

National and international staff and consultants, as well as core government staff involved in mobilizing investment for agricultural and rural development.





2. PURPOSE OF THE GUIDANCE DOCUMENT

How can the Guidance Document help you?

By using the Guidance Document, you will:

Improve your knowledge of the **basic concepts of CC**

Understand the **relevance of CC** to your project

Identify **concrete entry points** to incorporate CC considerations into your project

Find useful information to help you **incorporate CC considerations into every stage** of the project cycle

Have readily available practical **checklists, best practices** and further **references**

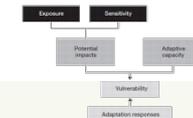
Find useful guidance on how to carry out a **Rapid Assessment**.



3. STRUCTURE OF THE GUIDANCE DOCUMENT

General Structure:

- A concise, main document (basic concepts and checklists)
- 8 Annexes (more detailed guidance and “gateways”)



Content Outline:

I. Introduction

II. The basics of CC Adaptation and Mitigation in the Agricultural Sectors

III. Entry Points and Checklists for incorporating CC considerations into agricultural projects

IV. Annexes

1. Overview of Selected Possible Regionalized Impacts
2. Rapid Assessments of impacts
3. Checklist for Incorporating Climate Change Considerations in the Project
4. Tools and Information Sources for CC Adaptation and Mitigation
5. Options and Good Practices
6. Framework and Options for Disaster Risk Reduction
7. Identification of Climate Change Related Indicators
8. Finance Options





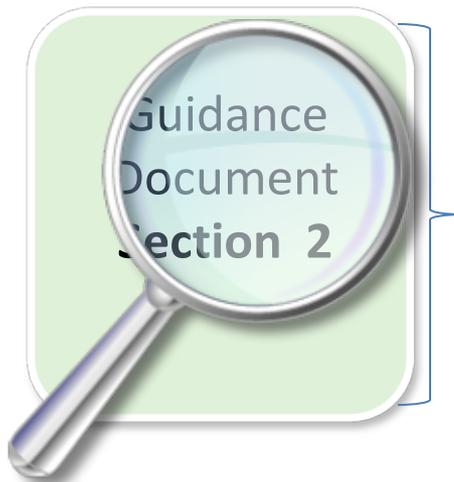
4. Section II. The basics of CC Adaptation and Mitigation

What type of support will you find here?

Key information on CC adaptation and mitigation in the agricultural sectors.



Structure of Section II



- Basic elements
 - Integrated planning at ecosystem level
 - Adaptation and mitigation options
- Core Principles
- Priority areas



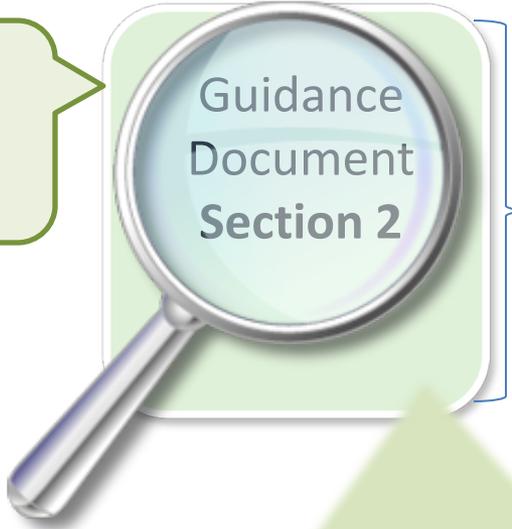
4. Section II. The basics of CC Adaptation and Mitigation

What type of support will you find here?

What are some of the options for CC adaptation and Mitigation?

What does “Climate smart” Agriculture mean in practice?

What can be considered an example of good practice?



- Basic elements
- Core Principles
- Priority areas

	Increased Productivity	Increased Resilience	Reduced GHG Emissions
Win-win Adaptation	✓	✓	
Win-win Mitigation	✓		✓
Climate-smart agriculture	✓	✓	✓

Table 2.1 Capturing the Synergies



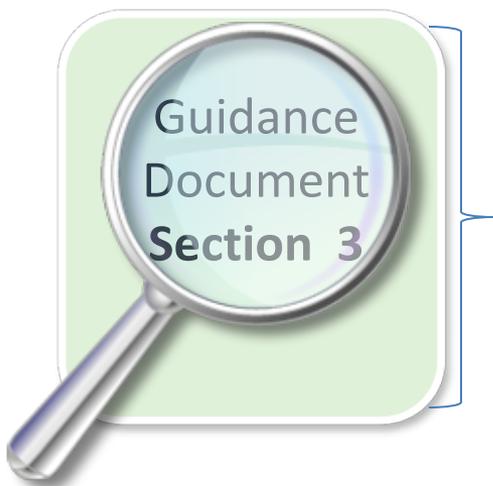


5. Section III. Entry Points and Checklists for incorporating CC

What type of support will you find here?

Guidance and procedures - including entry points and checklists - for incorporating CC considerations **in each phase of the project cycle.**

Structure of Section III



This section is modeled on the four phases of the project cycle, providing detailed guidance for each of them.

It provides general advice (e.g. working with partners and stakeholders), and also practical suggestions (e.g. incorporating CC in the project concept note, or a “key questions” checklist).



5. Section III. Entry Points and Checklists for incorporating CC

Example:

How can I assess potential climate risks? How can I incorporate CC in the concept note?

Project
Conceptualization

What should be assessed during mid-term and final evaluations in terms of CC?

Evaluation

What are the potential challenges I will face? How can I ensure the delivery of climate change-related outputs?

Project
Formulation

What are the key elements that I need to re-examine to ensure that climate-change issues are properly addressed?

Appraisal and
Approval

Implementation
and monitoring

What should I consider at the project launching stage?

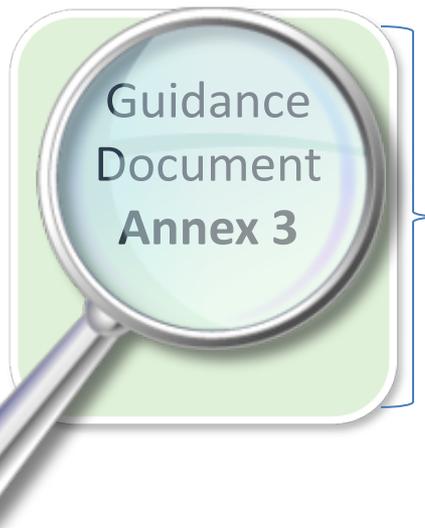


6. Annex 3: Checklist for Incorporating Climate Change Mitigation and Adaptation

What type of support will you find here?

- Crisp, hands-on detailed advice and guidance on the most important issues to consider, at every stage of the project cycle (including Policy and Institutional aspects);
- Gateway to relevant sources of information and tools.

Structure of the Annex:



The information is conveniently organized according to the project stages, and refers to both mitigation and adaptation

Subject	Question	Guidance	Sources of information
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6. Annex 3: Checklist for Incorporating Climate Change Mitigation and Adaptation

Example 1

A.4. Mitigation

Subject	Question	Guidance	Sources of information
<p>Mitigation potential of the project</p>	<p>Which activities/practices/technologies proposed by the project have mitigation potential?</p>	<ul style="list-style-type: none"> •Based on government willingness, the PT should identify opportunities to adjust the proposed interventions to reduce GHG emissions and increase carbon sinks in pursuing the productivity and adaptation objectives. •There are models available (and others being developed) to estimate the mitigation potential of changes in agricultural production systems (and in land use) such as the FAO EX-Ante Carbon-balance Tool –EX-ACT. You can use the model during the project design process, to refine components and activities to increase, whenever possible, the mitigation benefits of the project. •You will need the following information in EX-ACT: (i) current land use together with land use changes in the “without project” and “with project” scenarios; and (ii) land management options which will be promoted within every sub-sector (forests, cropland, grasslands, etc.). If such data is not available, you should discuss the possibility to obtain data later on during the preparation phase. 	<ul style="list-style-type: none"> -FAO ex-ante carbon-balance tool (EX-ACT): www.fao.org/tc/exact . - See more information on ExAct and other models on section 2 of Annex 2, under sub-section on “emissions, mitigation options and potentials” -Cool Farm Tool: http://www.unilever.com/aboutus/supplier/sustainablesourcing/tools/?WT.LHNAV=Tools - ENCOFOR Carbon Accounting and Project Design Tool: http://www.ioanneum.at/encofor/tools/tool_demonstration/download_tools.htm



6. Annex 3: Checklist for Incorporating Climate Change Mitigation and Adaptation

Example 2

A.5. Project Preparation

Subject	Question	Guidance	Sources of information
<p>Project results framework and M&E arrangements</p>	<p>Have CC considerations been incorporated in the project's Results Framework?</p> <p>Have CC-related indicators been identified?</p>	<ul style="list-style-type: none"> • See main text section 3.2.3 for general guidance on incorporating CC aspects in the Results Framework (RF); and Annex 7 for an illustrative list of CC-related indicators for each agricultural sector or theme, and a list of indicators collected from project documents of FAO and (mainly) from other development partners. • Once activities have been identified (see row below), ensure that they are properly “placed” (or clustered) into the various project components/outcomes foreseen by the project, following the logic of the Project’s RF. • Determine tools and arrangements to monitor climate change-related indicators included in the project’s results framework. Based on the final project’s RF, incorporate CC considerations in the project’s M&E Plan. • The PT must ensure that the targets and indicators for monitoring the CC outcomes and outputs are clearly defined in the project monitoring plan. 	<p>Annex 7</p> <p>Main text section 3.2.3</p>



7. Document Formulation

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7. Document Formulation

Schedule:

- First week of July 2011: Establishing the team
 - July-August 2011: Drafting the document
 - September 2011: Reviewing & consultation meeting
 - September-November 2011: Document revising
 - 14 December 2011: Presenting revised document
- 
- January-February 2012: Finalization



8. Contact details

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