

Climate-smart Agriculture Partnership

Two Long-term Goals of Our Time

1. Achieving Food Security

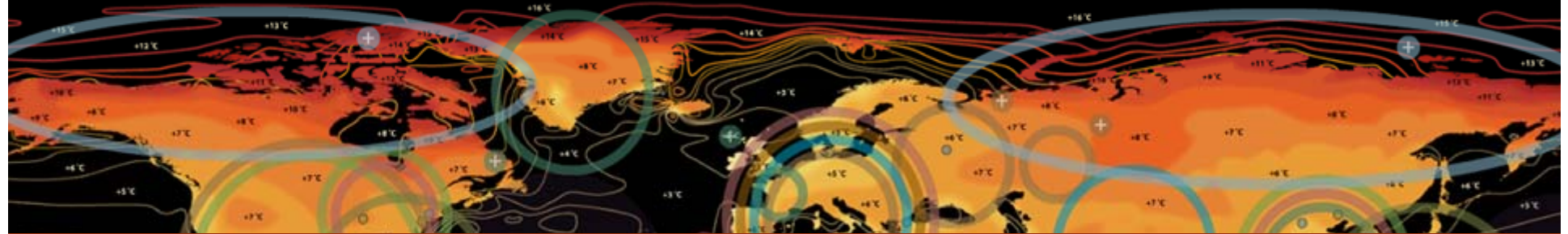
- 1 billion hungry
- Food production to increase 70% by 2050
- Adaptation to Climate Change critical

2. Avoiding Dangerous Climate Change

- "2 degree goal" requires major emission cuts
- Agriculture and Land use = 30% of emissions..
- ..and needs to be part of the solution



ice The impact of a global temperature rise of 4°C (7 °F)



We need Climate-smart Agriculture!



The Amazon Forest ▲

Agriculture ▲

Water availability ▲

Sea-level rise ▲

Carbon cycle ▲

Tem ▲



+ °Celsius

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2	4	5	7	9	11	13	14	16	18	20	22	23	25	27	29

+ °Fahrenheit

Source: UN Statistics Division Demograph

Climate-smart Agriculture - 3 pillars

SUSTAINABLY INCREASES
FARM PRODUCTIVITY AND INCOME



STRENGTHENS RESILIENCE
TO CLIMATE CHANGE AND VARIABILITY



REDUCES AGRICULTURE'S
CONTRIBUTION TO CLIMATE CHANGE

- greenhouse gas emissions
+ carbon storage on farmlands



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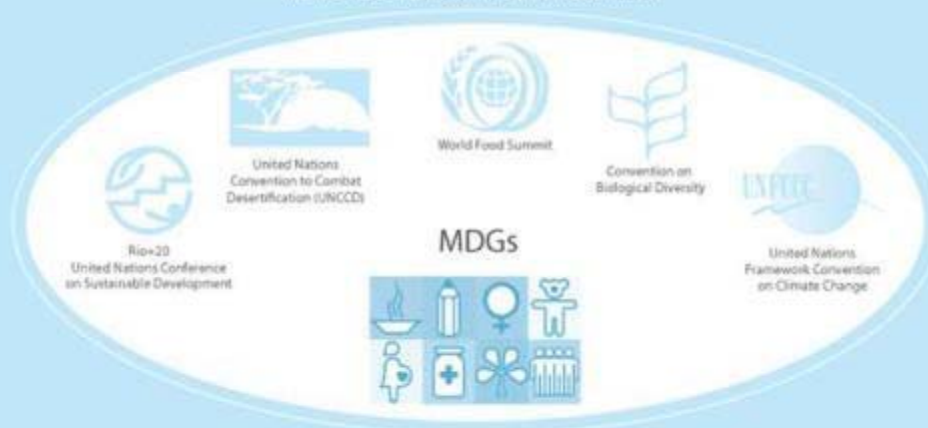
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ENHANCES THE ACHIEVEMENT OF NATIONAL FOOD SECURITY
AND DEVELOPMENT GOALS



Nutrient management

Bangladesh



Rain water harvesting



Conservation Agriculture



Crop-livestock systems



Learning from Shinyanga,
Tanzania: Restoring 500,000
ha of degraded grasslands

to higher productivity by adapting traditional
Ngitili agro-pastoral management



Agroforestry



Partnership

- initiated in July 2011
- FAO, WB, IFAD, WFP, UNEP, GM, CCAFS



Initial key activities:

- Sourcebook
- Web-based clearinghouse of experiences
- Shared events e.g. at UNFCCC COP-17 in Durban

Sourcebook

- Makes the case for Climate-smart Agriculture
- Illustrates how it can be developed and implemented
- Target audience: practitioners, planning and project managers, including country program leaders
- Three sections:
 1. The case for climate-smart agriculture
 2. Sustainable CSA production systems
 3. Enabling framework
- Will be developed in 2012, authors identified

Agriculture, Forestry and Fisheries that sustainably:

1. increases productivity
2. increases resilience (adaptation)
3. reduces/removes greenhouse gases

AND THEREBY:

- enhances achievement of national food security and development goals

⇒ADDRESSES MULTIPLE OBJECTIVES!