

## **Initiating Systemic Change**

## **Regional Expert Consultation on Climate-Smart** Agricultural Policies, Strategies and Programmes

APN creates the enabling environment for transformative change by promoting system-wide learning, bringing scientists, policymakers and practitioners together to share experience and consider future interventions.

# **From Individual to** Collective

**Climate-Smart Agriculture: Three pillars** 

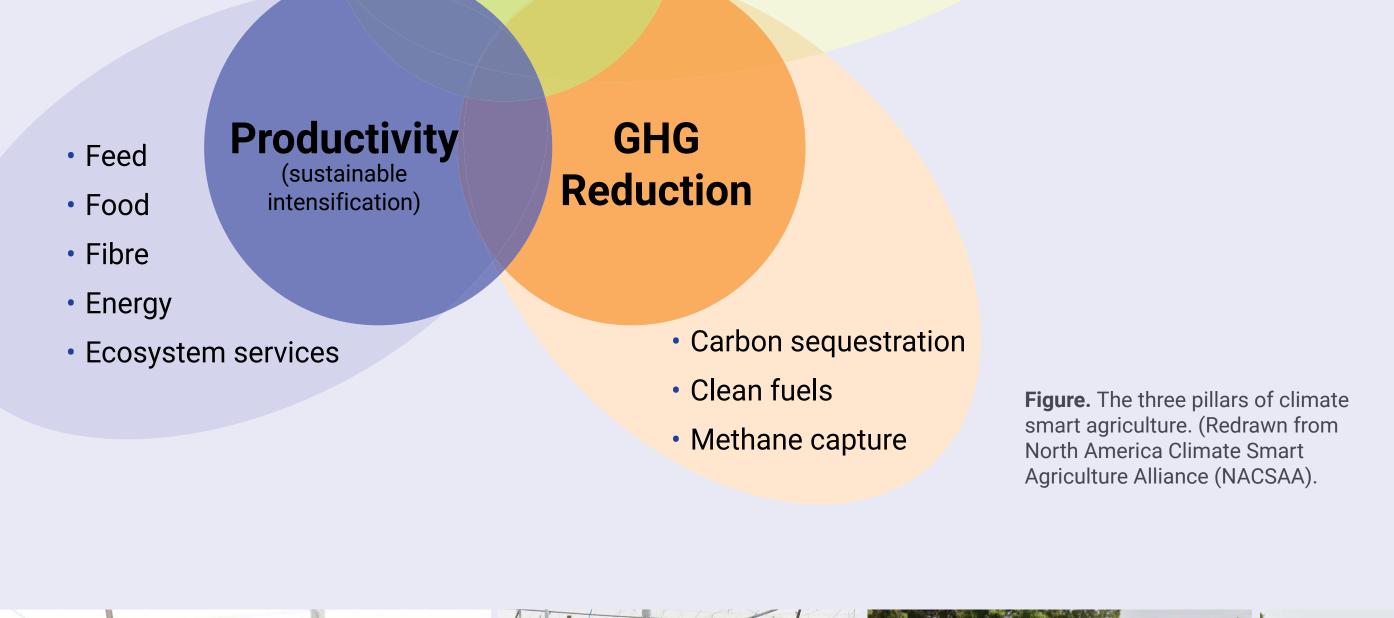
> Adaptation & Resiliency

- Crop & livestock hardiness • Erratic weather Mitigation of environmental impacts
- Water use efficiency
- Pests & invasive species management

#### Promoting Participatory Adaptation and Community-Based Tools

The following areas were identified as key to enhancing community resilience.

- Bottom-up and multi-stakeholder processes  $\mathbf{\epsilon}$
- Gender sensitivity  $\mathbf{\epsilon}$
- Communities' sense of ownership  $\mathbf{\epsilon}$
- Institutional capacity development  $\mathbf{\epsilon}$
- Human security concerns  $\mathbf{\epsilon}$
- Indigenous knowledge for policymaking  $\mathbf{\epsilon}$
- Power dynamics  $\mathbf{\epsilon}$







# Promoting Shared Learning for Transformative Adaptation in the Asia-Pacific Region

Initiatives by the Asia-Pacific Network for Global Change Research

## **Towards Science-Based Adaptation Actions:**

APN launched a Climate Adaptation Framework in 2013 to enhance science-based adaptation activities in the Asia-Pacific. These activities focus on actionable research and adopt a partnership and integrative approach, many of them look at the linkages between adaptation and disaster risk reduction.

> Addressing non-economic losses and damages associated with climate change: Learning from the recent past extreme climatic events for future planning

> > Climate change risk assessment and adaptation for loss and damage of urban transportation infrastructure (UTI) in Southeast Asia (SEA)

Enhancing capacity of policy makers and practitioners in India, Sri Lanka and Nepal on L&D related to slow onset events in the region

Capacity building for national, provincial stakeholders and local communities on L&D related to DRR and CCA

Building capacity for reducing loss and damage resulting from slow & rapid onset climatic extremes through risk reduction and proactive adaptation within the broader context of sustainable development

Can traditional livelihoods and mining co-exist in a changing climate: strengthening public-private partnerships in Mongolia to reduce risk and address L&D

Capacity building for resilience planning in Fiji: Bridging the science-policy-practice interface in CCA, DRR and L&D

## **Climate Adaptation**

Framework

Developing and promoting a people-centred approach to assess and address impacts of climate change induced loss and damage

Developing climate inclusive potential L&D

assessment methodology for flood hazards

Integrating CCA, DRR and L&D to address emerging challenges due to slow onset processes

An analysis of longer-term (5-10 years) recovery following major disasters in the Asia-Pacific region: Lessons for resilient development

> Assessing the linkages between CCA, DRR and L&D: Case studies in the floodplains of Cambodia, Indonesia, Philippines, Thailand and Viet Nam

> > Integrated flood modeling and pre-disaster loss estimation in Asian countries

Methods toolbox for assessing L&D at the local level