



Session 15: Carbon Sinks and Carbon Sequestration

Exhibition Hall Room 1
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environmental affairs
Department:
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INTERNATIONAL PANEL ON
CLIMATE CHANGE




Climate Action Now!
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Introduction

- **New Climate Economy Report:**
 - Global Action Plan proposes the **restoration** of at least **500 million hectares** of **lost or degraded forests and agricultural land by 2030**.
 - An initial restoration of about **150 million hectares** of degraded agricultural land as a start and this could generate additional farm **income of \$36 billion** and store **1 billion tonnes of CO₂** equivalent per year by 2030.
 - Restoration of at least **350 million hectares** of lost or degraded forest landscapes by 2030 could generate **170 billion per year** in benefits from ecosystem services and sequester **1-3 billion tonnes of CO₂e** per year.

Objective

- **To discuss the restoration of land and ecosystems to optimize carbon uptake and storage in these systems**
 - What is our understanding of carbon pools (stores) and fluxes (exchange between pools) in SA, opportunities for enhancing carbon storage on land and possible incentives to help drive this,
 - What are the best implementation models to restore/rehabilitate our ecological infrastructure towards enhancing carbon sinks given competing demands for land use.
 - **Dialogue**

