

## Climate Change and Agriculture

### Sustainable Development Goals

- **SDG 1: No Poverty**
  - **Target 1.5:** Build resilience of the poor to climate-related and other shocks.  
→ *Strengthens rural adaptive capacity through sustainable agriculture.*
- **SDG 2: Zero Hunger**
  - **Target 2.3:** Double the productivity and incomes of small-scale food producers.
  - **Target 2.4:** Ensure sustainable food production and climate-resilient practices.  
→ *Contributes directly to climate-smart agriculture for food security.*
- **SDG 13: Climate Action**
  - **Target 13.1:** Strengthen resilience and adaptive capacity to climate-related hazards.
  - **Target 13.2:** Integrate climate change measures into national policies and planning.
  - **Target 13.3:** Improve institutional and human capacity on climate change mitigation, adaptation, and early warning.  
→ *Core focus of the Chair's mission and research agenda.*
- **SDG 15: Life on Land**
  - **Target 15.3:** Combat desertification, restore degraded land, and promote sustainable land use.  
→ *Supports regenerative land management in agriculture.*
- **SDG 17: Partnerships for the Goals**
  - **Target 17.16:** Enhance partnerships across sectors and institutions.  
→ *The Chair fosters collaboration between UFS, ARC, and wider networks.*

### African Union Agenda 2063 – The Africa We Want

- **Goal 1:** A prosperous Africa based on inclusive growth and sustainable development.
- **Goal 5:** Modern agriculture for increased productivity and climate adaptation.
- **Goal 7:** Environmentally sustainable and climate-resilient economies.
- **Goal 10:** Sustainable exploitation of Africa's natural resources.
- **Goal 12:** Capable institutions and evidence-informed governance.
- **Goal 18:** Resilient communities and reduced vulnerability to climate and economic shocks.

### **South Africa's National Development Plan (NDP 2030)**

- **Chapter 5:** Environmental Sustainability and Resilience – address climate risks, promote sustainable land use, and enhance national adaptation capacity.
- **Chapter 6:** Inclusive Rural Economy – support smallholders, sustainable agriculture, and rural development.
- **Chapter 3:** Economy and Employment – stimulate green sectors and ensure long-term food production systems.
- **Outcome 7:** Vibrant, equitable, and sustainable rural communities and food security.
- **Outcome 10:** Environmental assets and natural resources that are well protected and enhanced.