AHMEDNADHIR.COM
*Where global change meets public authority.*
GOVERNANCE | CLIMATE | PUBLIC SYSTEMS

CLIMATE ACROSS SYSTEMS · NO. 11

# The farms behind the climate plan

Food, fuel and carbon storage can make competing claims on the same land and water.

18 November 2026 · Reporting 11–17 November

GLOBAL LAND-USE MODELLING

# Land can make the transition less costly

1.3% with full land mitigation

3.5% without land mitigation

Discounted consumption loss for a 1.7°C peak-warming objective

Merfort et al. · 11 November 2026

2025–2100 · 5% discount · damages excluded

GROUNDWATER

# A dry year can leave a lasting storage loss

Pumping can compact susceptible sediments. Recovering water levels may not restore the lost space.

Shirzaei et al. · Comment · 17 November

Physical background: United States Geological Survey, 2018

UNITED STATES · MAIZE

# The hybrid has to fit the changing season

Five Corn Belt states, 1991–2024. Modelled climate contributions shift from southern losses to northern gains.

Wan et al. · 12 November 2026

Retrospective modelling; no African yield forecast

NORTHWEST ETHIOPIA · DAIRY

# Dairy support needs room for different choices

734 households in Northwest Ethiopia

Three adoption profiles

More adoption is no guarantee

Hussen et al. · 13 November 2026

Cross-sectional associations; no causal effect established

WATER INSTITUTIONS

# The rules must reach the water people use

Informal and decentralised supplies are part of the system. Changing formal rules can alter who retains workable access.

Borgomeo and Garrick · Perspective · 17 November

Institutional argument and editorial interpretation

THE CROSS-SYSTEM ARGUMENT

# A contract can commit more than a harvest

A biomass buyer wants supply.
A grower wants a dependable price.
Other users need the water.
The terms have to accommodate all three.

Illustrative case · Independent analysis

Not a reported project or a common measured effect

A NEGOTIABLE CLIMATE OFFER

# Compare real choices on actual holdings

Production and restoration options.

Water, labour and income implications.

Independent advice and representation.

Terms for a dry-year restriction.

Proposition within existing agricultural programmes

Not an announced or approved programme

READ THE COMPLETE EDITION

# The farms behind the climate plan

Complete edition

Three-minute briefing

Designed PDF

ahmednadhir.com/climate/no-11

Climate Across Systems | Ahmednadhir | No. 11