

CoPs: Community of Practices for Climate Advisory Services in Livestock



Turning climate information into coordinated action for resilient livestock systems

The Community of Practice (CoP) is an innovative multi-stakeholder platform in Senegal designed to provide a unified and formal system for delivering Climate Information Services to agro-pastoralists. It serves as a collaborative space where scientists, development experts, and local practitioners co-generate and co-disseminate harmonized and contextualized agro-climatic advice



This technology is **pre-validated**.

8·7



Scaling readiness: idea maturity 8/9; level of use 7/9

Inclusion assessment



STOP 12

Climate impact



Problem

- **Fragmented institutional action** is reducing the efficiency and impact of climate resilience investments.
- **Exclusion of pastoral systems** is limiting the reach and equity of climate adaptation support.
- **Low community resilience to climate shocks** is undermining sustainable livelihoods and food security outcomes.
- **Weak knowledge sharing systems** are slowing innovation and scalable impact across programs.

Solution

- The **CoP strengthens coordination across institutions**, improving efficiency and alignment of climate services investments.
- It transforms climate data into **practical, context-specific advisories** for vulnerable agro-pastoral communities.
- It enhances **climate resilience and food security** through better anticipation of drought, heat stress, and resource scarcity.
- It enables **inclusive last-mile delivery and knowledge integration**, combining science with local knowledge systems.

Key points to design your program

The Community of Practice (CoP) is a structured multi-stakeholder coordination and learning platform that enables institutions, experts, and practitioners to jointly produce, validate, and deliver harmonized climate services and actionable agro-pastoral advisories. It strengthens coordination, improves data use, and ensures that climate information is transformed into practical decision-support for livestock and farming systems, contributing to SDG 2 (Zero Hunger), SDG 13 (Climate Action), SDG 1 (No Poverty), and SDG 17 (Partnerships for the Goals).

To integrate this CoP into your project, plan and budget for the following activities and prerequisites:

- **Conduct a multi-stakeholder mapping** and formal establishment process by engaging public institutions, NGOs, private digital actors, producer organizations, and technical services, and formalize collaboration through a Memorandum of Understanding (MoU) defining roles, responsibilities, and data-sharing rules.
- **Carry out a user-centered needs assessment** in agro-pastoral communities to capture local knowledge, seasonal constraints, gender dynamics, and vulnerability factors to ensure demand-driven climate services.
- **Establish regular CoP coordination** and learning sessions (e.g. monthly meetings) where stakeholders share data, experiences, and jointly co-produce and validate agro-climatic advisories.
- **Develop a co-production and validation workflow** that transforms scientific climate data into actionable advice and ensures quality control and adaptation into local languages (e.g. Pular) for accessibility.

ILRI
INTERNATIONAL
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INSTITUTE

International Livestock
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Nadine WOROU

Technology from

PRMS

Commodities

Livestock

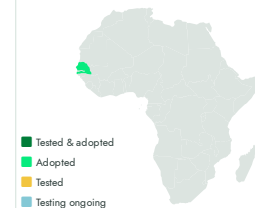
Sustainable Development Goals



Categories

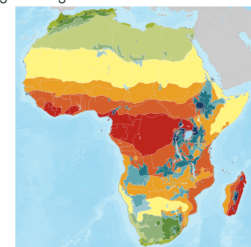
Production, Postharvest, Marketing, Pre-production, Practices, Pest control (excluding weeds), Yield improvement
+ -1 more

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Breeders, Governments, Veterinary Laboratories, Advisory and Extension Services

- **Deploy a multi-channel dissemination** system combining rural radio, SMS, IVR, and USSD tools to ensure inclusive last-mile delivery while maintaining a coordinated “single source of truth” for climate information.
- **Integrate real-time data systems** (e.g. AgData Hub) that combine satellite data, weather stations, and forecasting models to support timely and automated advisory generation.
- **Institutionalize the CoP** within national systems and public service structures to ensure long-term sustainability and integration into routine climate service delivery.
- **Collaborate with technical resource persons (e.g. ILRI)** to support facilitation, design of coordination processes, and documentation of results for learning and scale-up.



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CoPs

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