

Resilience Landscapes as a Vehicle Of Change In Local Food Systems

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The CGIAR network of Centers, CIMMYT among them, has decadal experience in operationalizing living landscapes, translating research results into adapted innovations; practices, products, and policies.

Resilience Labs is a novel approach CIMMYT is using to systematically evaluate sustainable innovations across variable agricultural landscapes to ensure relevance and rapid throughput of agri-food systems technologies.

Living Resilience labs complement imperial and participatory agricultural research experiments

These include Living Labs, Long Term Trials and Geo-nutrition Labs.

Resilience Landscapes in 2022-24 CGIAR Portfolio of Research Initiatives

Long Term Trials for Science-based Scaling and Climate Adaptation



- CIMMYT leads a global network of 17 long-term experiments (LTEs) in Latin America, Africa, and Asia.
- The focus is on conservation agriculture and sustainable intensification within staple cereal-based cropping systems.
- LTEs offer insights for science, policy, and development, steering resilient investments.
- They have become hubs for knowledge co-creation, where linked to farmer communities with surveys, participation action research and public-private-civil society partnerships

Agroecology Living Labs in Zimbabwe: Community Visioning and Transitional Pathways



- In Zimbabwe, Living Landscapes (ALLs) are used to localise, co-design learn and test sustainable strategies.
- Starts with communities defining a vision for the future for agriculture, socioeconomics natural resources
- Involves local food system actors and engages in participatory action research co-learning

Geonutrition Living Lab in Ethiopia



- The Geonutrition Lab aims to realize food and nutrition secure communities through the active participation of local food system actors
- The lab takes various approaches including: diversification of farming systems, agronomic & genetic biofortification, digital agro-advisory services, nutrition education and market enhancement for nutrition-dense products