

Supporting Implementation of the Global Biodiversity Framework

Agriculture and Biodiversity

Biodiverse terrestrial landscapes enhance the resilience of vulnerable small-scale producers and indigenous peoples to climate change and other disturbances and provide for greater food security for a growing global population.

Yet, agriculture, forestry and other land use practices are associated with all five primary threats to biodiversity, as identified in the 5th Global Biodiversity Outlook report and contribute about 23% of current greenhouse gas emissions annually. Still, farming and biodiversity are not inevitably incompatible.

To realize global ambitions on, for instance, reduction of pesticide use or protection of 30% of the world's marine and land habitats by 2030, local capacity and knowledge are needed. Solutions rely on major shifts in policy, practice, behaviors, and knowledge both in the smallholder as well as the commercial sector.

Agroecological and community-led approaches provide a pathway to conserve and live in harmony with nature, while managing agriculture in ways that enhance the richness of biodiversity and restore the ecosystem functions of degraded systems.

PANORAMA Agriculture & Biodiversity is the global forum for accessing and sharing good practice in sustainable land use and farming for biodiversity. It enables practitioners to learn from each other, exchange experiences, and get inspiration for effective conservation and sustainable use.

With more than 240 adaptable cases, PANORAMA showcases the implementation of local solutions to farming and biodiversity related challenges.



Linking de facto but uncertified organic farmers to growing urban markets

By Himalaya Organic Garden, Nepal

Himalaya Organic Garden, an integrated organic farm operating near Kathmandu, has been producing organic vegetables, salads and dairy products for more than six years. It has been growing its own products, designing its own brand, and selling its products in farmers markets, which have been established by the Himalaya Organic Garden itself.

The practice of organic production is a boon to help maintain biodiversity as it is free of harmful chemical pesticides. Through local behavior adoption campaigns, the farm has reached out to the village of Jasrame in Arghakhachi, district in the western part of Nepal. For generations, the majority of farmers have been de facto organic producers. However, lacking certification and access to markets, they were so far not able to tap into the growing urban market for organic products. By supporting the farmers in production, certification and establishing farmers markets in the nearby urban areas, Himalaya Organic Garden helps farmers realize their potential.



Using biointensive agriculture to improve nutrition, income and food security

By Manor House Agricultural Centre, Kenya

Over 70% farmers in Kenya are Small-scale farmers practicing conventional farming and use fertilizers. This is unsustainable and produces most greenhouse gases causing high temperatures and low soil P.H. which have adversely reduced yields of maize and beans thus threatening food security in Trans-Nzoia County.

Due to drought, farmers are cultivating riparian land for food resulting in silting and rivers pollution. Biointensive Agriculture is the solution. It produces 2-4 times more food, improves nutrition, promotes biodiversity and protects the environment.

Manor House Agricultural Centre creates awareness on the dangers of conventional agriculture through training, research and extension on Biointensive agriculture (BIA). BIA is a low cost way of farming which uses locally available resources. This has improved biodiversity and sustainability of food production by smallholders with fewer resources while conserving the environment.



What is PANORAMA?

PANORAMA – Solutions for a Healthy Planet is a global partnership that will support both the long-term strategic framework for capacity development and the knowledge management component of the new Global Biodiversity Framework, by providing examples of what “implementation” looks like in practice. PANORAMA documents and promotes verified, replicable solutions across a range of conservation and sustainable development topics, enabling cross-sectoral learning and inspiration. It supports peer-to-peer knowledge exchange between practitioners through an online platform and further face-to-face and virtual formats.

Current Communities of PANORAMA include:

- PANORAMA Blue (marine and coastal)
- PANORAMA Restoration
- PANORAMA Cities
- PANORAMA Species Conservation
- PANORAMA Nature-Culture
- PANORAMA Conservation Areas
- PANORAMA EbA
- PANORAMA Business Engagement
- PANORAMA Agriculture & Biodiversity
- PANORAMA One Health
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