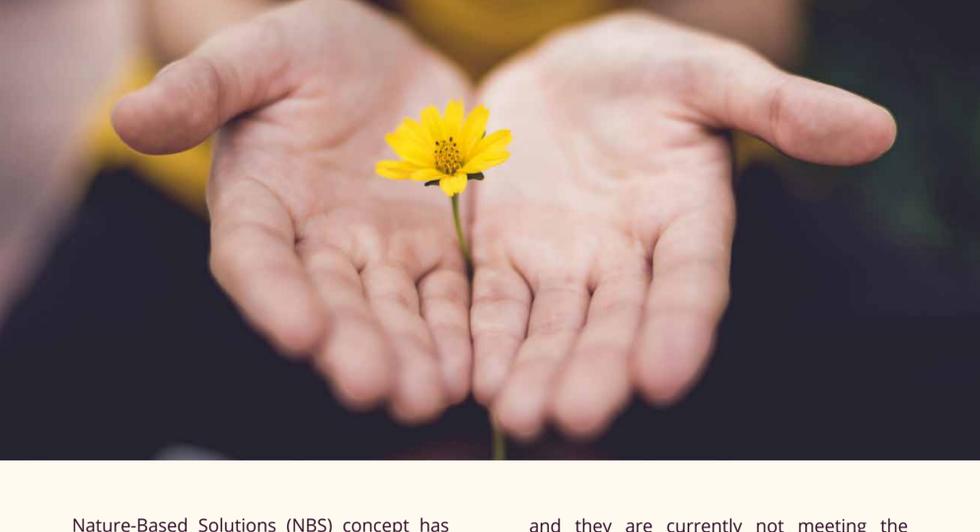


HAND IN HAND WITH NATURE: UNDERSTANDING NATURE-BASED SOLUTIONS IN AGRICULTURE THROUGH GIAHS

DECEMBER 1 2020, 12:00-13:30 CET



Nature-Based Solutions (NBS) concept has gained strength at a time when many voices are warning of the profound environmental problems our current development entails. Moreover, social, economic, and health dimensions are at risk if we trespass the limits of nature in our actions. Agriculture plays a key role in environmental impact as it relies on ecosystem services to deliver food and other agricultural products. However, natural resources and biodiversity have been severely threatened by agricultural activities worldwide.

Nature-based solutions are actions to protect, sustainably manage and restore natural and modified ecosystems in ways that address societal challenges effectively and adaptively, to provide both human well-being and biodiversity benefits. Therefore, how can agriculture drive the delivery of Nature-Based Solutions?

NBS in agriculture maintain and provide ecosystem services to reach food security and livelihoods while preserving biodiversity, landscapes and natural resources. Thus, these solutions are an opportunity to translate the five conceptual principles defined by FAO for a resilient and sustainable agriculture into practices and policy.

Global agri-food systems are at a crosscut

and they are currently not meeting the world's expectations for sustainability, nutrition and zero hunger. This has been marked during the current Covid-19 crises. For this reason, eyes are now turning towards a way of producing food supported on nature-based solutions to solve current societal challenges. Local communities and indigenous people have stewarded these technologies that still exist in every region worldwide. This is showcased in the Globally Important Agricultural Heritage Systems (GIAHS) recognized by FAO, which represent reservoirs of Nature-Based Solutions in Agriculture (Ag NBS). Nevertheless, they are extremely threatened, and it is our turn to rediscover and recognize them hand in hand with science and innovation, bringing us closer to the transformative agriculture that our time demands.

Europe and Central Asia (ECA Region) is the most diverse among the FAO's regions. As such, it represents a treasure trove of Ag NBS created and preserved for centuries by its fishers, farmers, herders and forest people. On the other hand, scientific evidences, technological advances, social organization and policy commitment are essential to apply these solutions to manage agroecosystems in a better way.



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OBJECTIVE OF THE WEBINAR

This is the first in a series of webinars about Nature-Based Solutions in Agriculture launched by the **FAO Regional Office for Europe and Central Asia**. It is organized under the Regional Initiative 3: *Managing natural resources sustainably under a changing climate*. The aim is to generate a multi-stakeholder's platform to upscale Ag NBS in the ECA Region, based on real cases, tools and science-based evidences.

Through this first webinar, FAO provides a revision of the Ag NBS with real and time-tested examples coming from Globally Important Agricultural Heritage Systems (GIAHS). The objective of the webinar is to open a debate on the potentialities of NBS to support the agri-food systems of the ECA countries.

TARGET AUDIENCES

Europe and Central Asia national stakeholders including public and private sectors, such as policymakers, NGOs, CSOs and academia. FAO's staff and other cooperation agencies at national and international level interested in the topic. GIAHS communities, and other practitioners and experts on NBS, climate-smart agriculture, agroecology, GIAHS and resilient agriculture in general.



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AGENDA

DECEMBER 1 2020, 12:00-13:30 CET

Moderators:

Marta Arnés García, FAO NBS and GIAHS Specialist, REU

Clelia Puzzo, FAO GIAHS Specialist



12:00 - 12:05

OPENING REMARKS

Tania Santivanez, Delivery Manager of Regional Initiative 3 FAO-REU

12:05 - 12:15

NATURE-BASED SOLUTION IN AGRICULTURE: AN OVERVIEW FROM FAO

Amani Alfarra, FAO

12:15 - 12:30

GIAHS: BUILDING SCIENTIFIC EVIDENCES ON RESILIENCE AND VULNERABILITY TO CLIMATE CHANGE

José Damian Ruiz Sinoga, Málaga University

12:30 - 13:00

GIAHS AS RESERVOIRS OF AG NBS

Moderator: Clelia Puzzo, FAO GIAHS Specialist

The guettayas: Ramli agricultural system in the lagoons of Ghar El Melh, Tunisia
Bochra Jaouani, UNDP Tunisia

Biodiversity conservation through transhumance and other traditional techniques in Serra do Espinhaço, Brazil
Fernanda Monteiro, São Paulo University

Landscape resilience in the Hani Terraces, China
Ma Nan, University of Chinese Academy of Sciences

Engaresero Maasai Pastoralist Heritage Area, Tanzania
Arpakwa M. Sikorei, NCA

Sawtooth Oak forests for Shiitake production in the Kunisaki Peninsula Usa, Japan
Hayashi Hiroaki, Charmain Kunisaki GIAHS Association

13:00 - 13:30

Q&A

CLOSING REMARKS

Sylvie WabbesCandotti, FAO

With the technical support of



The Food and Agriculture Organization (FAO) is a specialized agency of the United Nations that leads international efforts to defeat hunger. Our goal is to achieve food security for all and make sure that people have regular access to enough high-quality food to lead active, healthy lives. With over 194 member states, FAO works in over 130 countries worldwide. We believe that everyone can play a part in ending hunger.

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