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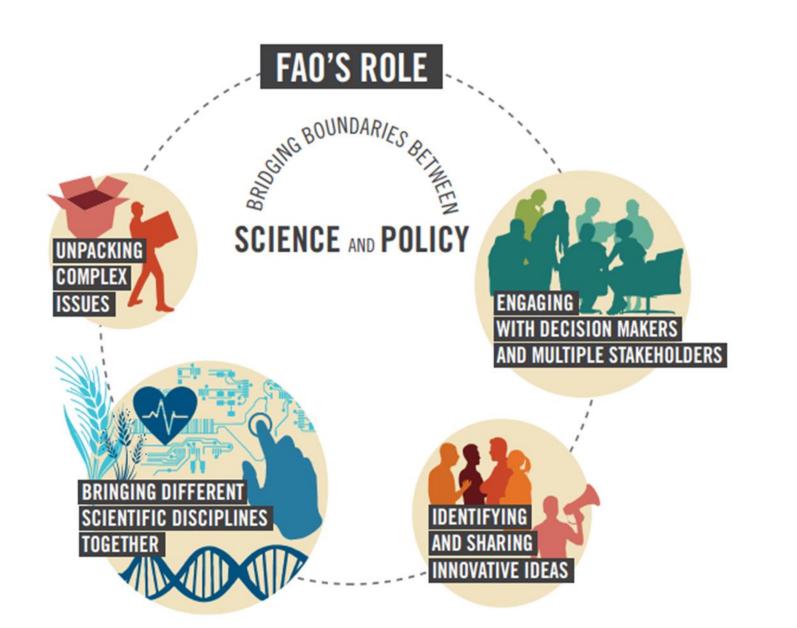
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26 November 2020

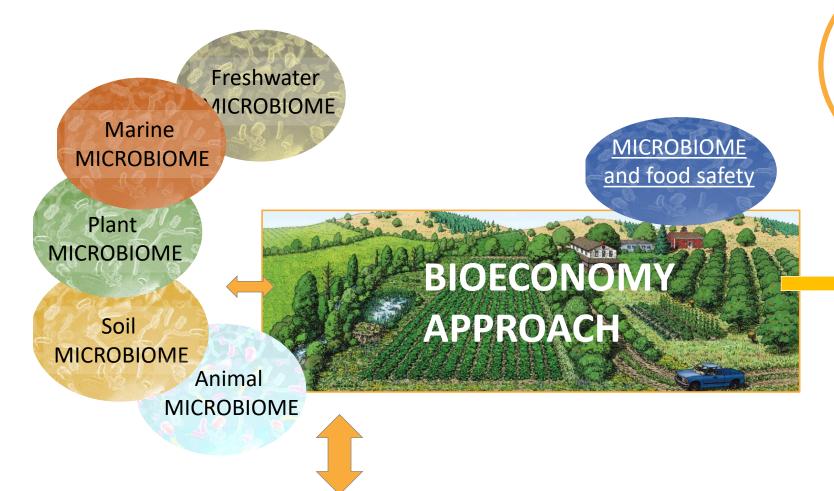
Presentation of the Action Plan for the industrial implementation of the Italian microbiome initiative for improved human health and agro-food production





Microbiome Network

Technical work









CLIMATE CHANGE

Technical work – Literature reviews

Opportunities for innovations and food system transformation: towards a sustainable and circular bioeconomy

Soils, Plants and Climate Change

"The soil microbiome controls greenhouse gas fluxes and mediates multiple Ecosystem Services."

Food Safety

"There are associations between certain compounds in food and impacts on the gut microbiome."

Human Gut Microbiome, Diets and Human Health

"Diet is one of the main factors shaping the gut microbiome.

Recent microbiome research provides explanations and strengthens what we know about healthy/ unhealthy diets."

Microbiome Network - Highlights

1 – 24 July 2020

Microbiome: The Missing Link? Virtual Learning Pathway

10 November 2020
Reconvening of
Microbiome Network

Continued growth:

- Technical work, state of the art
- Partnerships

5 bold gaps

- 1. Scaling up innovations
- 2. Co-developing knowledge
- 3. Microbiome literacy
- 4. Informing the future of research
- 5. Science-policy linkages

FAO: closing gaps and building bridges related to the microbiome

and sustainable and circular bio-economy in agri-food systems transformation.



Active and vibrant global learning network

FAO and the IAP for the Italian Microbiome Initiative

- Common understanding of the contribution of microbiome science and innovation for agri-food system sustainability, i.e.
 - Agri-food systems role in obesity/NCDs (linked to COVID19 morbidity and mortality)
 - Agricultural production, productivity, innovative microbiome-based solutions to old and new problems
 - Climate change, biodiversity loss and environmental degradation
- Commonality in actions, esp. around IAP actions related to:
 - Cooperation and partnership
 - Regulatory and policy implications
 - Public understanding
- Opportunity for sharing and partnership with other microbiome initiatives
- Looking forward to discussing collaboration between Italy, the EC and FAO sharing our common understanding and concrete actions with other FAO member countries in the Global South and the International Bioeconomy Forum.