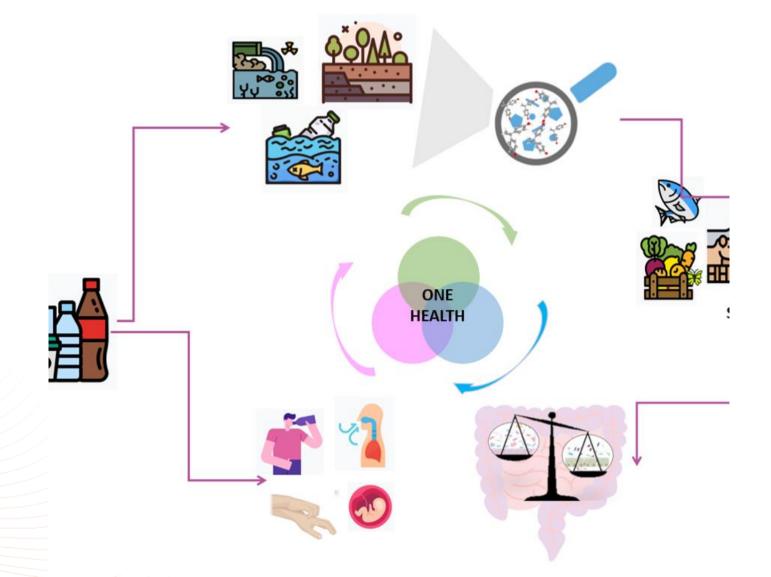


Human Microbiome metrics is key for One Health

Human microbiome become key informative for evaluating the impact of contaminants under the One Health concept The human microbiome plays a crucial role in the context of the One Health concept, especially when assessing the impact of contaminants (including pollutants, plasticizers, pesticides, and heavy metals). The One Health approach recognizes the interconnectedness of human, animal, and environmental health. Human microbiome metrics could provide insights for promotion of strategies to safeguard public health.



Microbiome-pollutant dynamics on health

- Monitoring microbiome dysbiosis can serve as indicator of environmental exposure.
- Exposure to contaminants may influence the microbiome-immune system interactions, potentially exacerbating the health effects of environmental exposures.
- Transmission of contaminants between species from different part of the ecosystem and can impact microbiomes:
- Microbiome can be a reservoir of resistance genes, including antibiotic resistance genes could be spread within microbial communities.