

EU Microbiome Research and Innovation

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#EUGreenDeal
#EUFarm2Fork
#FOOD2030EU

European Union



FOOD SYSTEM MICROBIOME R&I - TIMELINE

October 2017

- Food system microbiome call H2020
- Microbiome study
- Microbiome workshop

October 2016

- 1st IBF WG Microbiome workshop

September 2016

- European Microbiome R&I portfolio and mapping analysis

December 2018

January 2019

- Food System microbiome IA project kick off meetings

November 2018

- 2nd IBF WG microbiome meeting in Ottawa Canada.
- Launch of Microbiome support action.

October 2018

- Adoption of Bioeconomy Strategy includes a Microbiome Action

January- November 2020

- Drafting of HE microbiome topics

October 2020

- 4th IBF WG microbiome meeting - virtual

February 2020

- 3rd IBF WG microbiome meeting New Zealand

September 2019

- EU R&I days Microbiome exhibition



Microbiome projects for EUR €130 M 2018-2020

Horizon 2020

Projects	Description
<u>MicrobiomeSupport</u> (2018-2022), CSA, EUR 3.5 M	Platforms for collaboration and coordination of microbiome-related R&I programmes in Europe and worldwide. Carry out a mapping exercise at international level.
<u>CIRCLES</u> (2018-2023), IA, EUR 10 M	Controlling Microbiomes Circulations for Better Food Systems. CIRCLES will establish a new integrated economic system of products and services, proposing new food value chains based on microbiome knowledge.
<u>HOLOFOOD</u> (2019-2022), IA, EUR 10 M	Holistic solution to improve animal food production through deconstructing the biomolecular interactions between feed, gut microorganisms and animals in relation to performance parameters.
<u>MASTER</u> (2019-2023), IA, EUR 10 M	Microbiome Applications for Sustainable food systems through Technologies and Enterprise
<u>SIMBA</u> (2018-2022), IA, EUR 10 M	Sustainable innovation of microbiome applications in food systems. Providing innovative microbiome solutions to increase food security, nutrition, and help address key societal challenges





FOOD SYSTEM MICROBIOME R&I - HOW CAN IT MEET GREEN DEAL OBJECTIVES UNDER HORIZON EUROPE

- Safe, nutritious and healthy diets
- Prevention and treatment of NCDs
- Towards “zero” pesticides and fertilisers
- Climate change mitigation
- Reduced food waste
- Improved soils
- Better understanding definition standardisation of human/animal/soil/plant microbiomes

