

Science and Sustainable Food: How Scientific Instruments Can Help Food and Biodiversity Issues for the Planet and its Inhabitant's Health



22 - 23 February 2023
An ICTP Hybrid Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/10161/>
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The workshop aims to deepen the knowledge on how scientific instruments can help food and biodiversity issues for the planet and its inhabitants health, also considering the costs and the opportunities of the ecological transition and the importance of the use of technology in a more organic agriculture. As the road towards sustainable food and agriculture goes through the most advanced technologies in the genetic and agronomic fields, it also needs an efficient legislation to allow innovations to reach markets without unnecessary constraints and/or restrictions, while building the public's trust in science and acceptance of innovations.

In particular the workshop will tackle key challenges such as:

- Sustainability and science: communication, economics of sustainability, genetic innovation
- Sustainability and society: consumers and marketing, agri-food systems, food security and the climate crisis, pathways to sustainability with digital agriculture: towards carbon-negative crop production.
- Sustainability and health: biodiversity and nutrition, adult nutrition problems, adolescence nutrition problems, sustainable food: between reality and false myths.

The ultimate aim is to shed light on the scientific and technological progress that could lead us to have plants and animals able to use better the environmental factors (such as water and fertilizers, and to better defend themselves against pathogens) and to answer to the triple challenge of agriculture today: producing more, consuming less and improving the nutritional characteristics of food.

The workshop will bring together scientists from different disciplines (genetics, applied genomics, microbial sciences, medicine, economy, agricultural technology, chemistry, communication) in order to promote a wider integration of methods across disciplines.

Directors:

S. FANTONI, FIT, Italy
E. GREGORIC, OGS, Italy
J. GRILLI, ICTP, Italy
R. KAISER, ICTP, Italy

Local Organiser:

R. KAISER, ICTP, Italy

Speakers include:

I. ANGELES AGDEPPA, Food and Nutrition Research Institute, Philippines
B. BASSO, Michigan State University, USA
G. CARRADA, Consultant, Italy
N. CASAGLI, University of Florence and OGS, Italy
S. FANTONI, Trieste International Foundation for progress and freedom of science, Italy
A. ILLY, illycaffè, Trieste, Italy
C. MAFFEIS, University Medical School, Verona, Italy
G. MARCHESINI, University of Bologna, Italy
M. MORGANTE, University of Udine, Italy
N. PELLEGRINI, University of Udine, Italy
V. SERGO, University of Trieste, Italy
C. TIRIBELLI, Italian Liver Foundation, Trieste, Italy

How to apply:

Online application:
<http://indico.ictp.it/event/10161/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries.

There is no registration fee.

Deadline:

19 January 2023

For applicants requesting financial and/or visa support

20 February 2023

For all other applicants



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