

Global Bioeconomy Summits and International Bioeconomy Forum

IEA Bioenergy workshop

Governing sustainability in biomass supply chains for the bioeconomy

A. Camia

EC Joint Research Centre, Directorate for Sustainable Resources

23.05.2019, Utrecht

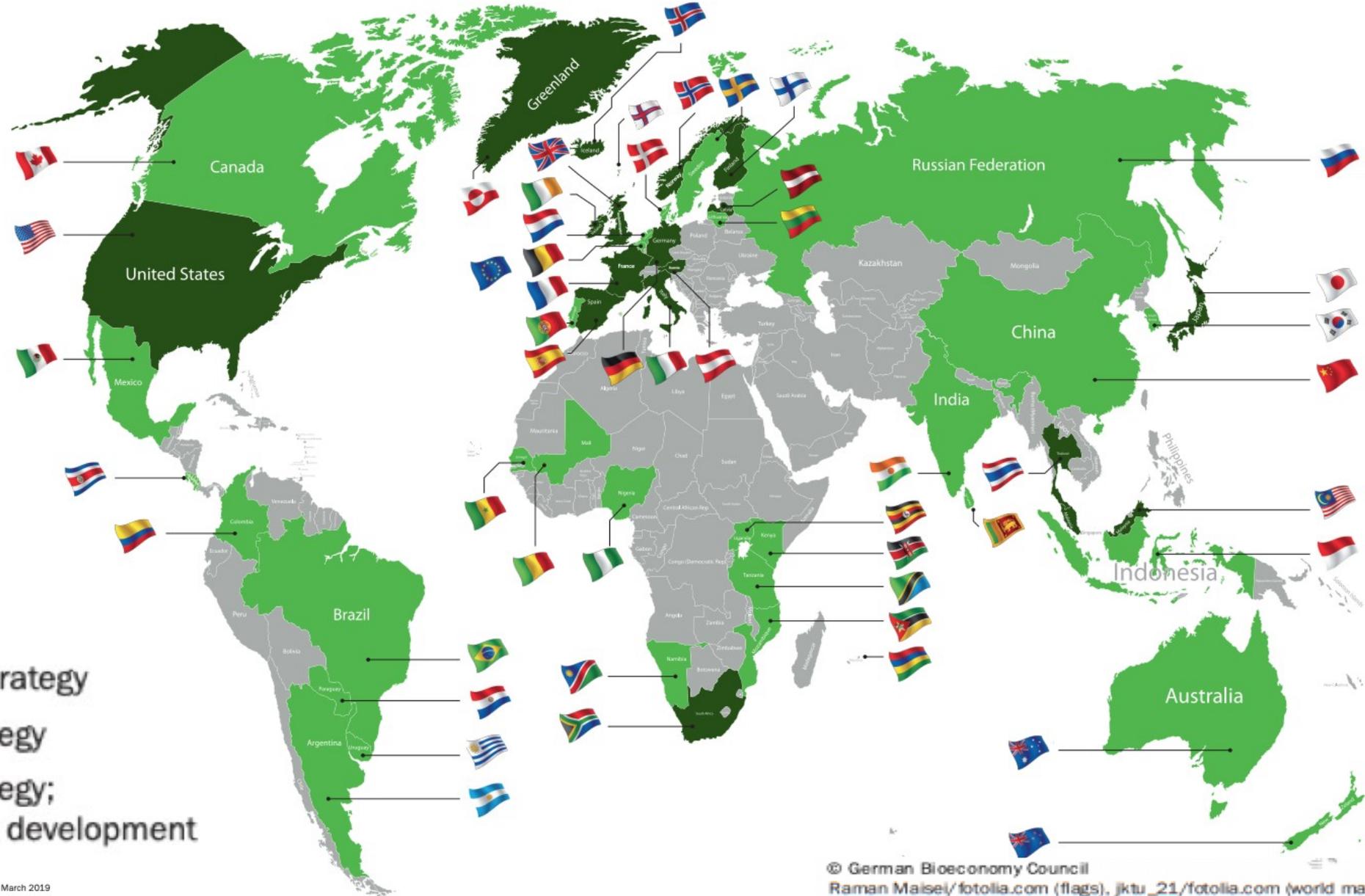


Global Bioeconomy Summits



Bioeconomy policies around the world

Exploring options for the design and establishment of an international mechanism for knowledge exchange and coordination on global bioeconomy





International Bioeconomy Forum

Launched by EU Commissioner Moedas in **2016**, to guide international cooperation on specific R&I priorities crucial for the development of a global, sustainable bioeconomy

Objectives

- Align research funding programmes
- Identify emerging needs and future research trends
- Raise international awareness of the central role of bioeconomy to reach global policy targets (SDGs; COP21)
- Knowledge exchange
- Develop policy dialogue

Members

- EU Commission, Canada, New Zealand, USA, Argentina, China, India, South Africa

Observers/contributors

- Australia, South Korea, BIOEAST Initiative, FAO, Standing Committee on Agricultural Research delegate, Inter-American Institute for Cooperation on Agriculture, EFI, FACCE, HDHL etc.



Established Working Groups



Microbiomes

Focus on **food system** microbiome:

- understand complexity and benefits of microbiome in food systems
- Explore microbiome potential across the whole food supply chain
- Link different research communities (plant, environmental, animal, marine, human etc.)



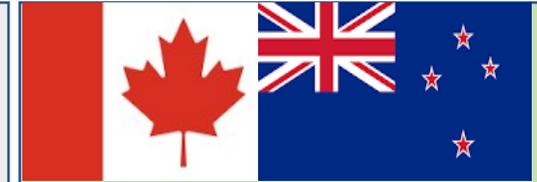
ICT in Precision Food Systems

- Development and implementation of smart, digitally-driven science and technology, targeted at **food production**
- Identify barriers/gaps in technology development
- Engage with non-food systems (e.g. forestry) already advanced in technology (remote sensing...)



Plant Health

- Coordinate, share information and increase our capacity to respond to plant health threats in a changing environment
- Focus on biovigilance, plant security, tools and best practices (e.g. rapid detection systems,...), research in plant biotic interactions, data and information exchange etc.



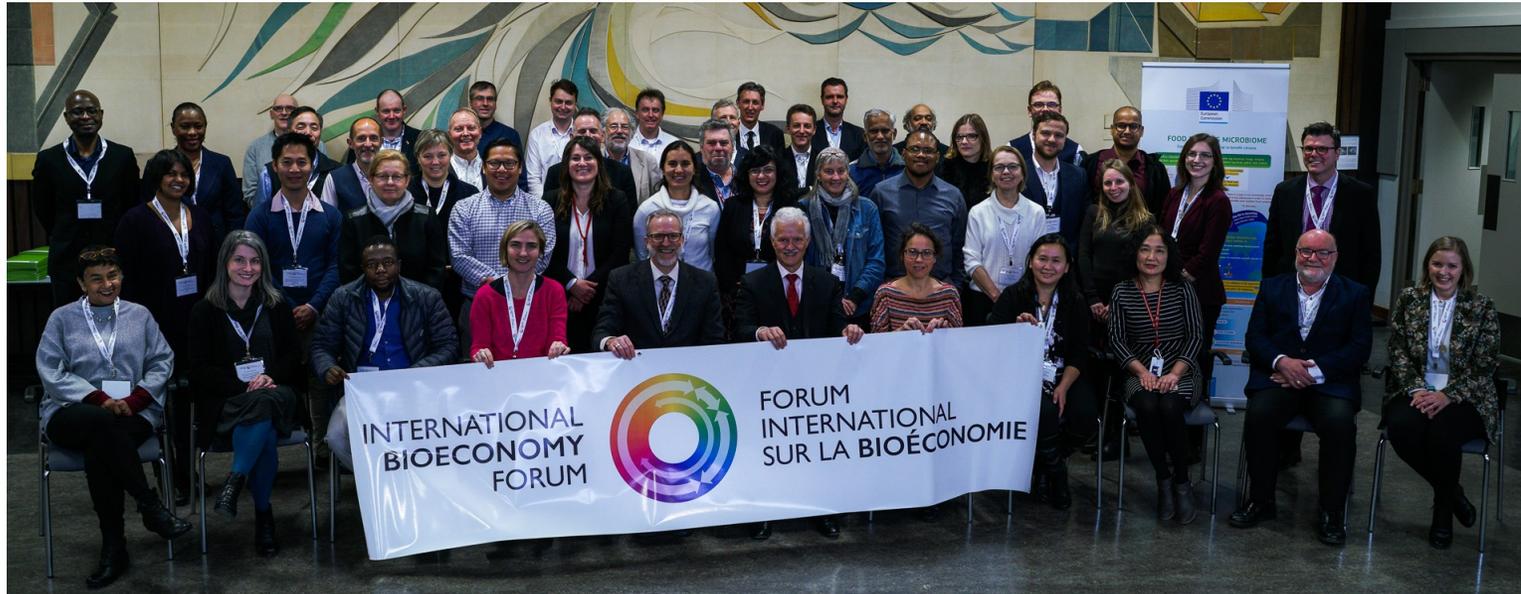
Forest Bioeconomy

- Facilitate the development of a global, sustainable forest bioeconomy
- Three focus areas:**
- Communication strategies;
 - Data and monitoring (**JRC leading**);
 - Identifying and addressing bottlenecks (including natural resources, environment, trade and market etc.) and risks



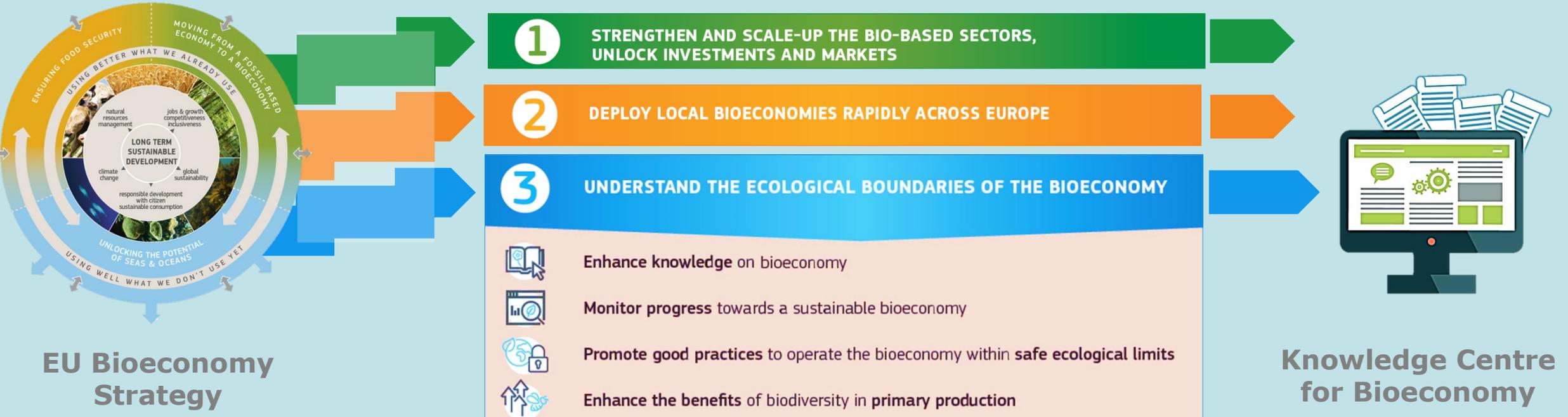
INTERNATIONAL
BIOECONOMY
FORUM

IBF Meetings



- 1st Plenary meeting: 28-29 November 2017, Brussels
- Working groups meeting 27-30 November 2018, Ottawa
- **2nd Plenary meeting: 27-28 May 2019, Vancouver**

EU Bioeconomy policy context



EU Bioeconomy Strategy

- 1** STRENGTHEN AND SCALE-UP THE BIO-BASED SECTORS, UNLOCK INVESTMENTS AND MARKETS
- 2** DEPLOY LOCAL BIOECONOMIES RAPIDLY ACROSS EUROPE
- 3** UNDERSTAND THE ECOLOGICAL BOUNDARIES OF THE BIOECONOMY
 -  Enhance knowledge on bioeconomy
 -  Monitor progress towards a sustainable bioeconomy
 -  Promote good practices to operate the bioeconomy within safe ecological limits
 -  Enhance the benefits of biodiversity in primary production



Knowledge Centre for Bioeconomy

Building a bioeconomy monitoring system for the EU: tracking economic, environmental and social progress towards a sustainable EU bioeconomy

Action of the EU strategy led by JRC

Workshops

- Setting the scene (Nov 2018)
- First discussion on indicators (June 2019)
- ...more to come

Questionnaire on stakeholders expectations launched

