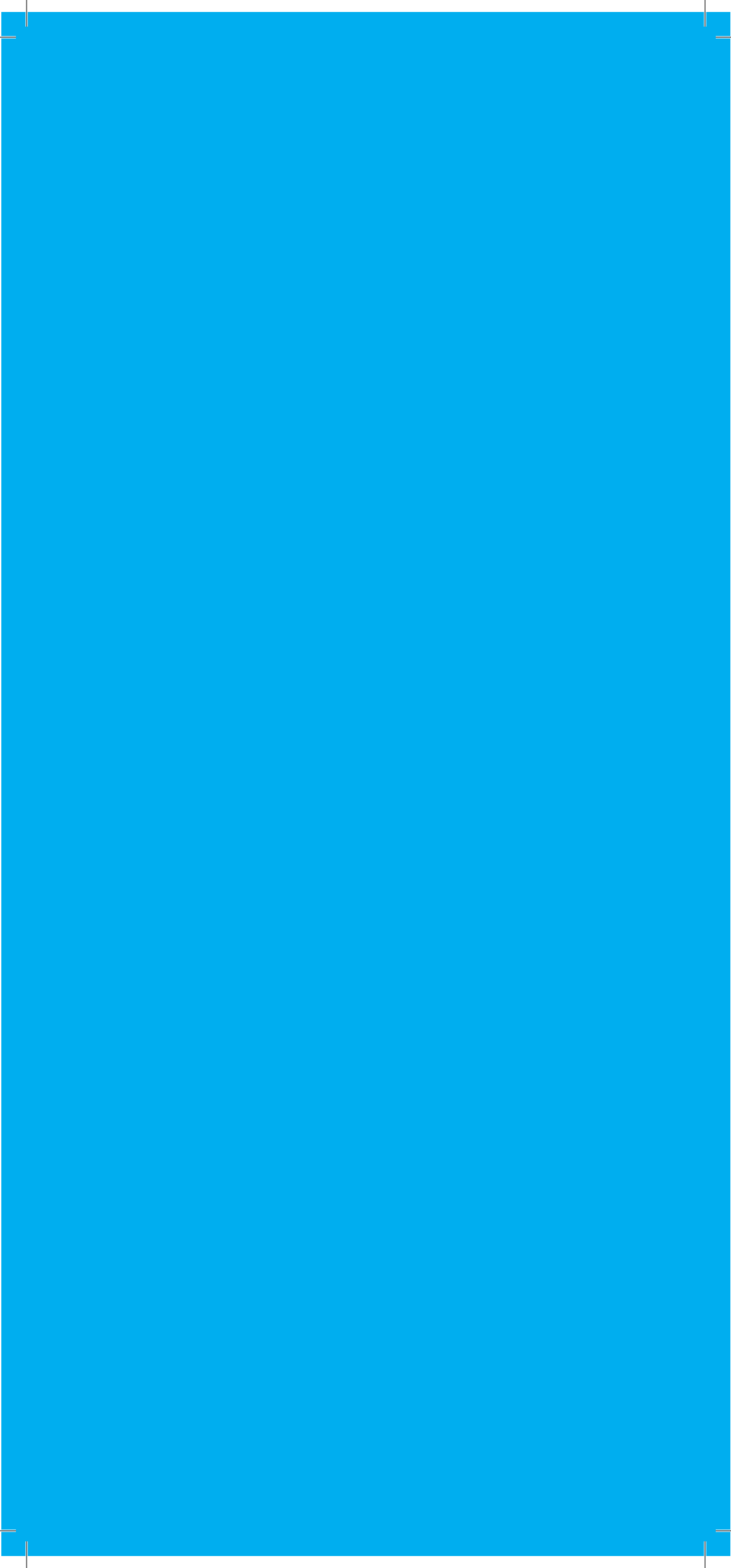


# EUROPEAN WORKSHOP ON BIOECONOMY

JUNE 28/29<sup>TH</sup> 2017, PARIS





## Context

INRA and Irstea, in partnership with Ministries of Agriculture and Research are organizing a **European workshop on bioeconomy on June 28 and 29th, 2017 in Paris**. Bioeconomy is on the agenda of many research policies. Following other European countries, including Spain and Italy in 2016, the French bioeconomy strategy was published by the French Government on January 18th, 2017. The traduction in action plans is ongoing , with a strong expectation from the Ministries of Agriculture, Economy, Environment, Research. The H2020 Bioeconomy Program is also under revision: DG Research and Innovation expects proposals to revisit the previous framework of the bioeconomy and to establish new lines of research.

### Aims and scope

In the domain of bioeconomy encompassing foods, bioenergies and biobased chemicals, this workshop will address three issues:

- > What are the priority research needs for the next 10 years....?
- > Which tools for research and development are lacking today?
- > Which types of partnerships are necessary for the development of bioeconomy ? Which new stakeholders ?

Two position papers, a first general one, a second from a young scientist panel will be published at the end of this workshop.

**28 presentations and 3 roundtables** will give us the opportunity to fill our mind with new ideas and share your perspective with participants coming from 21 countries.




# Program

## European workshop on bioeconomy

June 28-29th 2017, Paris

### The workshop will be structured in four sessions:

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- 1 Gathering, overcoming disciplinary silos and building a system approach
  - 2 Accompanying players on the paths of transition
  - 3 Identify the relevant territorial scales for organizing value creation
  - 4 Measuring, analyzing and improving the implementation of the bioeconomy

*The main working language will be English.*

## Position Paper

A position paper will be prepared from the different contributions received before and inputs during the workshop. From all positions on the different issues, the rational for each issue should collect authoritative references or primary resources quotations, examine strengths and weaknesses of European research and development system, evaluate possible solutions and suggest courses of action on the three issues:

- > What are the priority research needs...
- > Which tools for research and development are lacking today?
- > Which types of partnerships are necessary for the development of bioeconomy ?
- > Which new stake holders ?

This position paper will be sent after the workshop to DG AGRI, DG RTD in Brussels and research policy-makers of the countries participating in this workshop.

## Youth scientist Panel

Students and young researchers will be tomorrow's leading actors in research in this field. A panel of students and young researchers will be invited to this workshop. This panel will formulate reactions on the proposals / issues heard during this workshop.

Building on their training course, their first experience (s) of research, they will be invited to participate in this colloquium to:

- > Advise on research issues in the bioeconomy field: How to deal with interdisciplinary/ disciplinary approaches ?
- > How to think otherwise «out of the box » ?
- > What reactions to the projects of society that emerge ?

Their oral contributions during the round tables will be followed by the drafting of a specific position paper.

## Program

# June 28th

9h

**Registration, coffee, tea (room Centenary)**

Chairpersons : Monique Axelos, Michel Beckert

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## Introduction

9h45 > 9h55

**Jean-Marc Bournigal (President IRSTEA)**

9h55 – 10h

**Philippe Vinçon (DGER, Ministry Agriculture and Food)**

10h00 – 10h15

**Presentation of the workshop**

**Paul Colonna (Scientific Committee)**

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**1**

## **Gathering, overcome sectors and co-build a system approach**

10h15 > 10h40

**1.1 - A system is more than the addition of sectors.**

**Case of food systems.**

Henk Westhoek (PBL Netherlands Environmental Assessment Agency)

10h40 > 11h05

**1.2 - Foresight exercise AgrimondeTerra at world scale.**

Hervé Guyomard (INRA)

11h05 > 11h30

**1.3 - Foresight exercise Negawatt at France scale.**

Christian Couturier (Solagro)

11h30 > 11h55

**1.4 - What are the relationships between the design of cropping systems and the biomass requirements needed to meet the objectives of the bioeconomy ? Interplay with agroecology.**

Antoine Messean (INRA)

11h55 > 12h20

**1.5 - In a market economy, how is implemented the priority « Food first »?**

Sébastien Treyer (IDRI)

12h20 > 12h45

**1.6 - From sustainable diets to sustainable food systems: putting nutrition at the heart.**

Nicole Darmon (JRU Moisa Montpellier SupAgro, Inra and CIHEAM-IAM)

12h45 > 13h15

**Round table : Which society for tomorrow ?**

Dominique Dron (Ministère de l'économie et des finances, Conseil général de l'économie) and a representative of youth panel

----- *Break - Buffet (room Centenary)* -----

Chairpersons : Jean-Marc Callois, Paul Colonna

14h30 > 14h40

**The French Bioeconomy Strategy.**

Catherine Geslain-Lanéelle (Ministry of Agriculture)

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**2**

**Accompanying players on the paths of transition**

14h40 > 15h05

**2.1 - A shift from sustainable development to transition to sustainability ?**

Nicolas Buclet (University Grenoble Alpes)

15h05 > 15h30

**2.2 - EIP Agriculture, Focus Group 20: Sustainable Mobilisation of Forest Biomass – SMFB in Europe.**

Andreas Kleinschmit (Institute of Technology for Forest-based and Furniture Sectors)

15h30 > 15h55

**2.3 - Link between economy, energy and growth. How to combine development and reduction of energy consumption ?**

Gaël Giraud (CNRS, Agence Française de Développement, ParisTech School Ecole Nationale des Ponts et Chaussées).

15h55 > 16h20

**2.4 - Which plant innovations to ensure transition in bioeconomy ?**

Carole Caranta & Norbert Rolland (INRA)

----- *Break (room Centenary)* -----

Chairpersons : Julien Dugue, Catherine Esnouf

16h45 > 17h10

**2.5 - What will be the contributions of digital agriculture to the transition to bioeconomy?**

Véronique Bellon-Maurel (IRSTEA)



17h10 > 17h35

**2.6 - Industrial biotechnology: progress and future RDI needs.**

Sophie Duquesne and Michael O'Donohue (INRA and INSA-Toulouse)

17H35 > 18h

**2.7 - What education and training are needed to support this transition ?**

Gilles Trystram (AgroParisTech)

18h00 > 18h20

**Round table : balance between technology-push and society-driven innovations ?**

Elisabeth Verges (Ministry Higher Education, Research and Innovation) and a representative of youth panel

## June 29th

8h15

**Registration, coffee, tea (room Centenary)**

Chairpersons : Jean-Marc Callois, Egizio Valceschini

8h45 > 9h10

**Presentation of the report Towards a sustainable bioeconomy.**

Jean-David ABEL et Marc BLANC, (Economic, Social and Environmental Council, ESEC)

3

**Identify, organize and add value to the relevant scales of the territory**

9h10 > 9h35

**3.1 - Project MELISSA: an ultimate bio economy system with a complete circular economy of water and part of organic materials, within an open energy system.**

Christophe Lasseur (European Space Agency, NL)

9h35 > 9h50

**3.2 - Increasing the license to operate in forestry. and overcoming conflicts of representations with new narrative options.**

Jean-François Dhôte (INRA)

9h50 > 10h15

**3.3 - Interplays and local policies in forests: The case of North Karelia in eastern Finland.**

Jyrki Kangas (University of Eastern Finland's School of Forest Sciences)

10h15 > 10h40

**3.4 - Does one model fit for all regions in matter of bioeconomy: case of mediterranean regions.**

Fabio Fava (University of Bologna)

----- Break -----

Chairpersons : Monique Axelos, Michel Beckert

11h05 > 11h30

**3.5 - The moral economies of biogas production in France.**

François-Joseph Daniel (ENGEES-IRSTEA, Strasbourg)

11h30 > 11h55

**3.6 - How does a bioeconomy company design a specific sustainable development? The case of Avril group.**

Kristell Guizouarn et Clément Tostivint (Avril)

11h55 > 12h20

**3.7 - How to design the governance in the bioeconomy ?**

Joachim von Braun (U. Bonn and Chair Bioeconomy Council of German Federal Government)

12h20 > 12h45

**3.8 - Achievements and outlooks of public-private partnerships at European level.**

**The case of the Biobased industry consortium BIC for the biobased industries in Europe.**

Dirk Carrez (Bio-based Industries Consortium, EU)

12h45 > 13h20

**Table round**

Thierry Stadler (Industry and Agro-resource Cluster, IAR)

And a representative of youth panel

----- Break - Buffet (room Centenary) -----

Chairpersons : Benedicte Herbinet, Paul Colonna

4

**Measuring, analyzing and improving the implementation of the bioeconomy**

14h20 > 14h45

**4.1 - Regional value chains and networks of bioeconomy.**

Mika Aalto and Liisa Saarenma (Finish perspective, Ministry of Employment and the Economy)

14h45 > 15h10

**4.2 - Relevance of modelling for assessing indirect impacts. Case of biofuels.**

H. Valin (IIASA)

15h10 > 15h35

**4.3 - Social life cycle assessment: recent methodological advances.**

Catherine Macombe (IRSTEA)

15h35 > 16h00

#### **4.4 - Territorial development. Relevance of development indicators for business locations and sizing.**

Cécile Renouard (ESSEC)

16h00 > 16h25

#### **4.5 - Trade-offs between biomass plantations and food production in the context of planetary boundaries.**

Vera Heck (Potsdam Institute for Climate Impact Research, Germany)

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## **Conclusions**

16h25 > 16h40

Two representatives of youth panel

16h40 > 16h55

Philippe Mauguin (President INRA)

16h55 > 17h10

#### **European Bioeconomy Strategy**

John Bell and Waldemar Kutt (European Commission)

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## **The Scientific Committee**

Monique Axelos (INRA)

Michel Beckert (MENESR)

Jean-Marc Callois (Irstea)

Paul Colonna (INRA)

Julien Dugue (MAAF)

Catherine Esnouf (INRA)

Benedicte Herbinet (INRA)

Egizio Valceschini (INRA)

## **The Organizing Committee (INRA)**

Paul Colonna

Mélanie Delclos

Sandrine Jacques

Florianne Le-Tanter

Caroline Thomas

Christophe Rocle

Arnauld Veldeman



# EUROPEAN WORKSHOP ON BIOECONOMY

JUNE 28/29<sup>TH</sup> 2017, PARIS



**AgroParisTech**

16 rue Claude Bernard F-75005 Paris  
(Room Risler, 3<sup>rd</sup> level)



Metro Station : Censier Daubenton

The venue for the conference will be within the large lecture room Risler of AgroParisTech, entry to which will be restricted to registered conference attendees for security reasons.

