

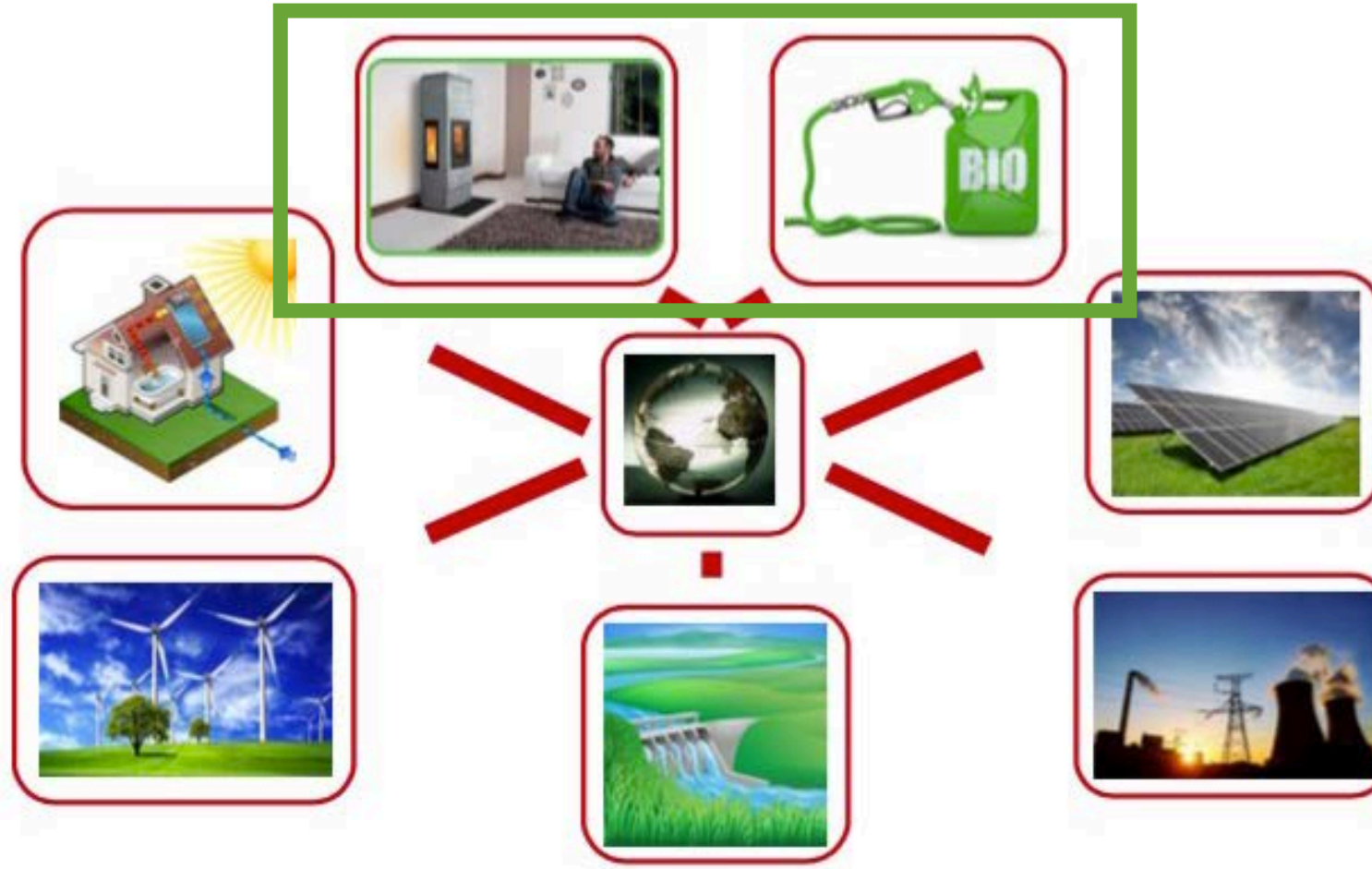


**Présentation du
Joint Program
BioEnergy**

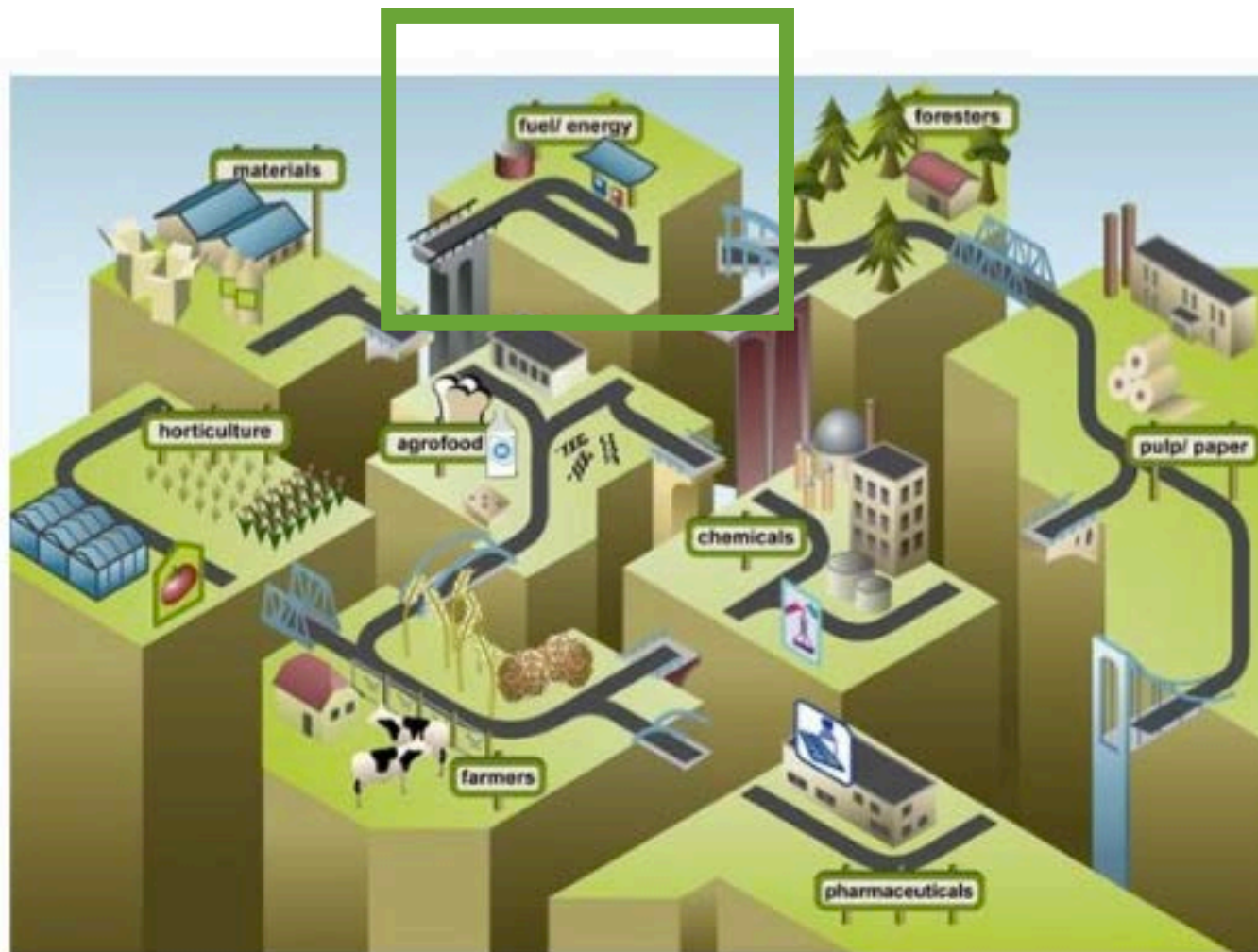
Journée MESRI, Nov 2018

Jean TAYEB - INRA
SPC Sustainable Biomass

The Joint Program Bioenergy in the context of low carbon energy



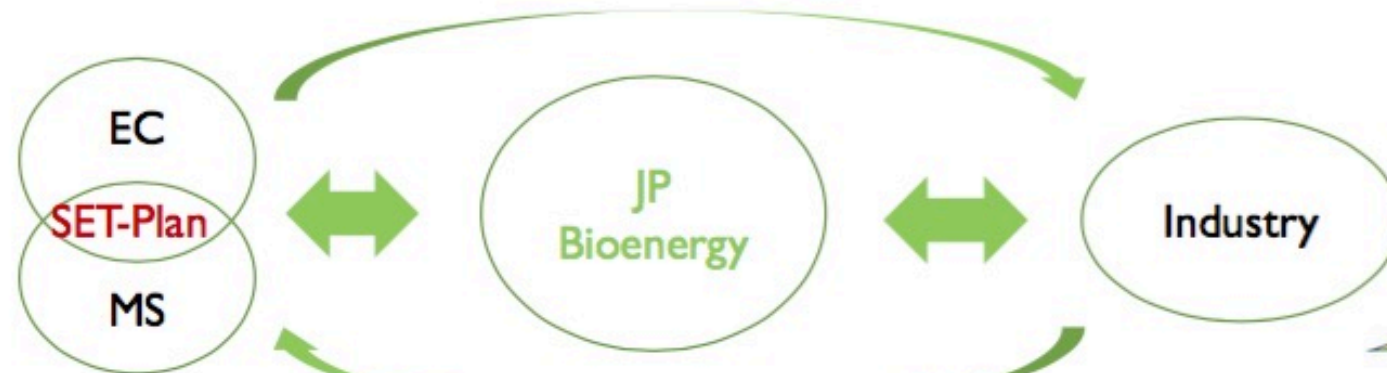
The Joint Program Bioenergy in the context of biorefinery



JP Bioenergy Objectives

- Overall objectives

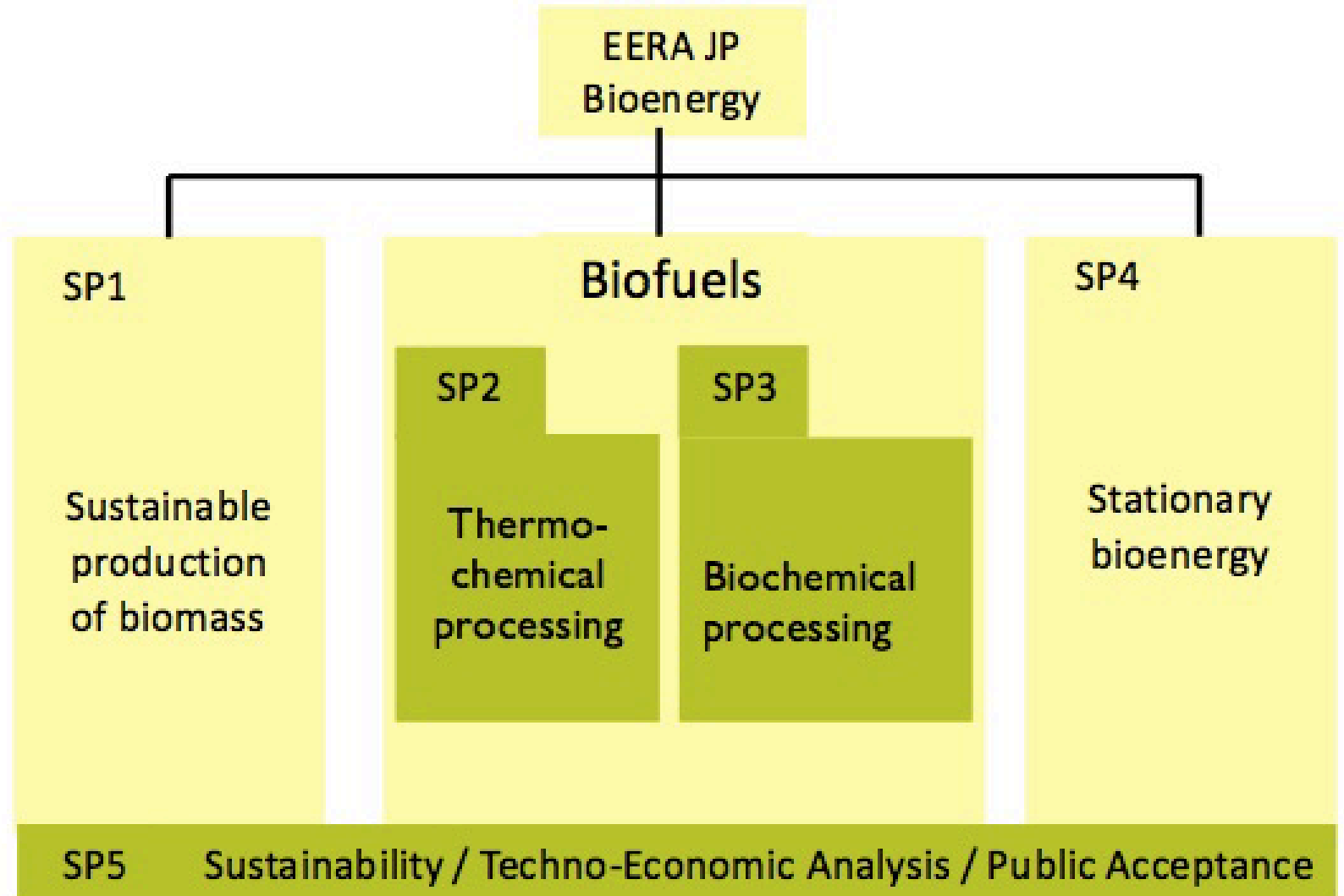
- **ALIGN** research activities at EERA JP bioenergy institutes to give a technical-scientific basis to further development of **advanced bioenergy** routes and to promote the possibilities for **joint** technology development, in order to contribute to accelerate the objectives of the **Set Plan**
- **ALIGN** research **national agendas** within bioenergy
- **ALIGN** research activities at **EERA JP bioenergy** institutions with **industrial priorities**



JP Bioenergy Structure (2018)

5 Sub-Programs (SP)

- Biomass production SP1
(*forest + agricultural + algae + biogenic waste*)
- Biomass transformation SP2, SP3, SP4
(*linked to SP1 through technological quality of biomass*)
- Full chain integration SP5
(*for managing global optimization and multi-purpose uses of biomass and/or energy*)



JP Bioenergy Members



36 EC institutions

- 24 full members
- 12 associate participants

France : CEA, CNRS, INRA

10 Universities : 3 full members, 7 associate

• PARTICIPANTS (3)

- KIT - The Research University in the Helmholtz Association (Germany)
- ASTON UNIVERSITY - UKERC (United Kingdom)
- WUR. Wageningen University & Research (The Netherlands)

• ASSOCIATES (7)

- Department of Energy Technology - Aalborg University (Denmark)
- IFK Stuttgart. Institute of Combustion and Power Plant Technology – Universität Stuttgart (Germany)
- NTUA. The National Technical University of Athens (Greece)
- UNIBO. Università di Bologna (Italy)
- Università degli Studi di Padova (Italy)
- Università degli Studi di Perugia - CRB - Biomass Research Centre (Italy)
- VŠB. Technical University of Ostrava (Czech Republic)

<http://www.eera-bioenergy.eu/members/>

JP Bioenergy Members

 Aalborg University Department of Energy Technology Location: Denmark Representative: Lone Eskjær Rosenfeldt	 BERA Belgian Energy Research Alliance Location: Belgium EERA Bioenergy Role: Participant Representative: Luk Van Wazer	 CEA French Alternative Energies and Atomic Energy Commission Location: France EERA Bioenergy Role: Participant Representative: Catherine Lacroix	 CENER National Renewable Energy Centre - Iberian Program Location: Spain EERA Bioenergy Role: Participant Representative: Javier Díaz
 CIEMAT Centro de Investigaciones Científicas, Medioambientales y Tecnológicas Location: Spain EERA Bioenergy Role: Participant Representative: Juan Carlos	 CNR Istituto Motori del Consiglio Nazionale delle Ricerche Location: Italy EERA Bioenergy Role: Participant Representative: Patrizio Masoli	 CNRS Centre National de la Recherche Scientifique Location: France EERA Bioenergy Role: Participant Representative: Jack Legend	 CSIC Agencia Estatal Consejo Superior de Investigaciones Científicas Location: Spain Representative: Mariano Domínguez
 DTU Technical University of Denmark Location: Denmark Representative: Jens Nygaard	 ECN TNO ECN part of TNO Location: Netherlands EERA Bioenergy Role: SP1 Coordinator Representative: Leo P.	 EPFL The Institute of Power Engineering Location: France EERA Bioenergy Role: Participant Representative: Thomas Sibley	 ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development Location: Italy EERA Bioenergy Role: Participant Representative: Giancarlo

 INRA French National Institute for Agricultural Research Location: France EERA Bioenergy Role: SP1 Coordinator Representative: Jean Tayeb	 KIT The Research University in the Helmholtz Association Location: Germany EERA Bioenergy Role: Participant Representative: Nikolaus Gebhart	 LNEG Laboratório Nacional de Energia e Geologia Location: Portugal EERA Bioenergy Role: SP2 Coordinator Representative: Francisco Girio	 NTNU Norwegian University of Science and Technology Location: Norway Representative: Odd A. Eikvik
 PSI Paul Scherrer Institut Location: Switzerland EERA Bioenergy Role: Participant Representative: Oliver Guisard	 SINTEF SINTEF Location: Norway EERA Bioenergy Role: SP3 Coordinator Representative: Berit Marie Gull	 RISE Research Institutes of Sweden Location: Sweden EERA Bioenergy Role: Participant Representative: Anders Hjorth	 TOBITAK Scientific and Technological Research Council of Turkey Location: Turkey EERA Bioenergy Role: Participant Representative: Nevris Özgü
 UKERC Aston University UK Energy Research Centre Location: United Kingdom EERA Bioenergy Role: Participant Representative: Patricia Thornley	 UNIBO Università di Bologna Location: Italy Representative: Andrea Monti	 VTT Technical Research Centre of Finland Ltd Location: Finland EERA Bioenergy Role: Participant Representative: Mika Huusola	 WUR Wageningen University & Research Location: Netherlands EERA Bioenergy Role: SP3 Coordinator Representative: Paul van Ros

 AICIA Asociación de Investigación y Cooperación Industrial de Andalucía Location: Spain Representative: Pablo Oliva	 CAMPUS IBERUS Campus de Excelencia Internacional del Valle del Ebro Location: Spain Representative: Jorge Molina Martínez	 FCiências ID Associação para a Investigação Científica e Tecnológica de Ciências Location: Portugal Representative: Carla Silva	 IFK Stuttgart Institute of Combustion and Power Plant Technology Location: Germany Representative: Jörg Maier
 idea energy INDIA ENERGY Location: Spain Representative: Juan Miguel Moreno	 NIC (K) National Institute of Chemistry Location: Slovenia Representative: Silva Št.	 IPSEN The National Technical University of Athens Location: Greece Representative: Athanasios Sakellaris	 VSB Technical University of Ostrava Location: Czech Republic Representative: Dagmar Juchová
 UNIT Università del Sannio Location: Italy Representative: Raffaele Orlando	 UNIMORE University of Modena and Reggio Emilia Location: Italy Representative: Paolo Tarantini	 Università degli Studi di Padova Location: Italy Representative: Diego Scattoli	 Università degli Studi di Perugia CNR - Biomass Research Centre Location: Italy Representative: Franco Colucci

Management Board (elected 2018)

- Joint Program Coordinator : Andrea Monti, Univ. Bologna
- Sub-Programs Coordinators : Jean Tayeb - INRA (SP1), Jaap Kiel – ECN TNO (SP2), Francisco Girio – LNEG (SP3), Berta Matas Güell – SINTEF (SP4), Raquel Santos Jorge - NTNU (SP5)
- Secretariat : Margarita de Gregorio – Bioplat


JP Bionergy main activities

Activities Framework

- Strategic Research and Innovation Agenda (SRIA) - *updated 2018*
- Internal rules of organisation (IRoP) - *updated 2018*

Exemple of activities

- Organisation of workshops or special sessions in international events
- Contribution to redaction of EC research and innovation strategic documents (*exemple: Issue Papers on renewable fuels #8*)
- Members participation to ETIP platforms
- Project proposals to EC research calls from sub-groups of members (*JP organisation of pitches and working sessions*)
- Edition of a newsletter and technology watch
- Etc...



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THANK YOU

jean.tayeb@inra.fr