

4th UNI-SET Energy Clustering Event

Universities in the Energy Transition: Focus on Sustainable Transport and Carbon Capture, Storage and Use

Imperial College London, 27-28 March 2017

Berta Matas Güell EERA Joint Programme Bioenergy Management Board Member



Bioenergy – new challenges



Bioenergy in the context of future energy mix including hybrid technologies



Bioenergy – new challenges



Bioenergy in the context of the biorefinery production and bioeconomy



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New R&I activities



European Energy Research Alliance



• The key actor in European energy R&D

- EERA strengthens and expands Europe's capabilities in sustainable energy research by connecting European energy research activities
- A cornerstone of the European Strategic Energy Technology Plan (SET-Plan)
- Bringing together 175+ research organisations
- 17 Joint Programmes
- Covering 24 EU member states + Turkey, Norway and Switzerland
- Approx. 90% participation in FP7 projects in energy
- Collaborating with European industry through European Technology Platforms, European Industrial Initiatives and other partnerships
- Promoting national research alliances with a track record of 7 national alliances
- Global outreach



European Energy Research Alliance









• 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



EERA JP Bioenergy – Current focus areas



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EERA JP Bioenergy – Partners





Universities @ EERA JP Bioenergy



• 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. Universitá 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)



EERA JP Bioenergy – Process for DoW 2018-2020



EERA JP Bioenergy – Process for DoW 2018-2020





Phase I

- Working groups established
- Co-ordinated working programme HGW and WGs and final working calendar defined

Phase 2

- Mapping of JP participants, expertise, infrastructures and interests
- -_Priorities in interfaces on hybrid RES Technologies and Bio-based economy fields
- Value chains and Technologies assessment.
- Co-operation areas/activities among SPs

Phase 3

- Structure and priority activities of the JP defined
- First JP 2018-2020 DoW draft. Integrated version of the WGs

Phase 4

- Comments to DoW by all JP participants and final draft.
- JP 2018-2020 DoW draft approval

Phase 5

- Editing and publication of Bioenergy Global view paper.



Tools to achieve EERA JP Bioenergy's objectives



Alignment – EC/MS

- Contribution to Issue Papers on renewable fuels (#8)
 - Workshop on the preparation for Issue Papers on bioenergy prior issuing!
 - Close dialogue with the EC and European industrial associations















Alignment – Industry



• Arrangement of dedicated workshops in existing international events



EERA-bioenergy JPSC meeting, Brussels, 13 th. January 2016



Project proposals 2016 as a result of Workshops

	Proposals submitted (Acronym/Coordinator)	Call	EERA Bio Parters	RTO & Univ.	Total number of partners
	BIORAV/LNEG (JP member)	LCE-6	5	6	12
	FLAME/WFBR (JP member)	LCE-6	6	6	6
	HTFLEX/CEA (JP member)	LCE-8	4	7	12
	ECOFUELS/LTU (Non JP member)	LCE-8	2	3	8
	ALG-Ternative/LNEG(JP member)	LCE-8	5	8	12
Granted	BECOOL/Unibo (JP member)	LCE-22	4	8	14
Granted	AMBITION/SINTEF (JP member)	LCE-33	8	8	8
	BIOMGRIDS/CIEMAT (JP member)	LCE-33	8	7	8
Granted	BRISK II/KTH (non JP member)	INFRAIA01	7	15	15

AMBITION



Advanced biofuel production with energy system integration







THANK YOU

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