



## **“Firing up Europe”**

**support of transnational bioenergy R&D  
via joint calls**

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**24.01.2020, Graz, BMVIT Event Highlights of Bioenergy Research  
in the frame of the 6<sup>th</sup> Central European Biomass Conference (CEBC)**

**Network of national ministries and funding organisations with the aim to implement joint calls for Bioenergy R&D proposals**

**Mission :** “Enhance quality and cost-effectiveness of European bioenergy research programmes through transnational coordination and cooperation”

*\*\* Strengthen national programmes \*\* Promote EU collaboration\*\*  
\*\*Produce higher-quality results \*\* Avoid duplication \*\**

## **Funding**


- 🍃 EU-FP6 from October 2004 to December 2010
- 🍃 Since January 2011: self-funded
- 🍃 Current Partnership agreement (MoU) until end of 2020

# Consortium (currently 7 partners)




 **FNR/DE:** Agency for Renewable Resources

 **RVO/NL:** Netherlands Enterprise Agency

 **SWEA/SE:** The Swedish Energy Agency

 **BMVIT/AT:** Federal Ministry of Transport, Innovation & Technology

 **NCBR/PL:** National Centre for Research and Development

 **SFOE/CH:** Swiss Federal Office of Energy

 **Innovate UK**

## Plus observers & call partners:

 **SEAI/IE:** Sustainable Energy Authority of Ireland

 **ADEME/FR**

 **ENERGINET/DK**

 **BusFi/FI**

 **BBSRC/UK; BEIS/UK**


 **FAPESP/BR**

# Development of Joint Calls

- 🍃 Definition of topics
- 🍃 Joint time schedule
- 🍃 Joint procedures for evaluating proposals
- 🍃 Joint workshops/seminars
  
- 🍃 National criteria on
  - Applications
  - Funding
  - Final decision



# Summary of 13 Joint Calls (1)



2. Call / 2007:  
Cleaning of  
product gas  
from biomass  
gasification




3. Call / 2008:  
Short Rotation  
Coppice




6. Call / 2012: Biogas  
& energy crops



4. Call / 2009:  
Clean Biomass  
Combustion



5. Call / 2010: Sustainable  
forest management &  
optimised use of ligno-  
cellulosic resources




1. Call / 2006:  
Small-scale  
biomass  
combustion

# Summary of 13 Joint Calls (2)



7. Call / 2013:  
Small-scale heat &  
power production



8. Call / 2014:  
Integrated  
biorefinery  
concepts





9. Call / 2015:  
Innovative  
bioenergy  
concepts

11. Call / 2017: “Bioenergy as part of a smart and flexible energy system”.

12. Call / 2018: “Energy systems & circular economy”

13. Call / 2019: “Combined biomass valorization”

14. Call... *under discussion...*



10. Call / 2016: “Biobased economy projects focussed on energy use”

# Summary of 13 Joint Calls

- 🍃 Total project costs: **ca. 70 Mio. €**
- 🍃 Total projects funded: **58**
- 🍃 Countries involved so far: **18**



# 14th Joint Call... *under discussion...*



- Discussion since spring 2019
- Countries**: CH, PL definitely interested; AT, DE, FI hesitant..
- Challenges**: changed national priorities for bioenergy and/or lack of budget. Often bioeconomy (material biomass utilisation) has higher importance than energetic biomass use
- Still interesting bioenergy topics to most partner countries:** sustainable production; mobilisation, supply & conversion of biomass aiming at lower GHG emissions & carbon storage; Integration of bioenergy in a sustainable circular bioeconomy (cascading); Sustainable biofuels and mobility concepts for heavy duty, aviation and maritime transport; Integrated energy management including Power-to-X, Biorefinery concepts

***... to be clarified until 09/2020 the latest...***



# Cooperation with BESTF3

- 🍃 The network Bioenergy Sustaining the Future (BESTF) provides funding to innovative collaborative bioenergy projects that result in demonstration at pre-commercial stage
- 🍃 EU top-up for one joint call
- 🍃 More partners: Finland (TEKES), Spain (CDTI & MINECO)
- 🍃 More networking: bring research communities together



# Perspectives / opportunities

- 🍃 EU aims/visions for decarbonisation and fighting climate change are high but there is a lack of implementation measures
- 🍃 Bioenergy framework conditions in partner countries are increasingly difficult
- 🍃 BUT bioenergy is necessary to complement other, fluctuating renewables (solar, wind) e.g. in order to balance the grid at all times
- 🍃 **Horizon Europe** (no more support for „ERA-NETs“, but large partnerships which can organise calls together. Many former ERA-NETs are not supported anymore and thus there is an increased opportunity for self-sustained ERA-NETs such as ERA-NET Bioenergy → **chance for more partners?**)

# Conclusions

- ✦ ERA-NET Bioenergy partners are currently elaborating a new strategic agenda and action plan according to the new EU goals and the national priorities of its members
- ✦ The partners are willing to keep ERA-NET Bioenergy as valuable instrument for international collaboration and R&I support in the area of bioeconomy with emphasis on bioenergy
- ✦ **ERA-NET Bioenergy is open for new members (funders) interested to join!**

# Thank you very much for your attention!

## Any questions?

[www.eranetbioenergy.net](http://www.eranetbioenergy.net)

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