



Early Market Engagement

Bioenergy demonstrations of the European
Industrial Bioenergy Initiative:

Bioenergy Sustaining the Future 3

1. Introduction

A European consortium including Denmark, Finland, Poland, Spain, Sweden, The Netherlands, and the United Kingdom, supported by the European Commission, are launching a third joint call for Bioenergy Demonstrator projects. The call aims to encourage the commercialisation of bioenergy schemes by supporting late-stage bioenergy demonstrator projects, and thereby increase the production of renewable energy across the EU.

The competition will be open to both industrial and research organisations, but projects must be industry-focused and led. The total budget available for projects in this call will be up to €21 million.

The principal objective of the BESTF3 call is to fund public-private projects that de-risk bioenergy technologies at demonstration¹ scale and to encourage further private exploitation.

This document provides early awareness of the competition and an opportunity to register for the upcoming briefing event. Further updates will be posted to the scheme website at www.eranetbestf.net.

2. Scope

The BESTF3 competition focusses on the following:

1. Innovation;

2. Energy production;

3. EIBI value chains:

- Synthetic liquid fuels and/or hydrocarbons and blending components via gasification
- Bio-methane and other synthetic gaseous fuels from biomass via gasification
- High-efficiency heat and power generation via gasification of biomass
- Bioenergy carriers via other thermochemical processes (e.g. pyrolysis, torrefaction)
- Ethanol and higher alcohols from lignocellulosic feedstock via fermentation
- Renewable hydrocarbons through biological and/or chemical synthesis from biomass containing carbohydrates
- Bioenergy carriers from CO₂ and sunlight through microorganism-based production and upgrading into fuels and valuable bio-products

¹ Definition of “demonstration” as taken from the EIBI Implementation Plan: “Demonstration plants are considered the last non-economic step to demonstrate the performance and reliability of all critical steps in a value chain so that the first commercial unit can be designed and performance guaranteed from the outcome of the demo unit”.

- 4. Advanced Technology Readiness Level (TRL)**, addressing the last steps prior to commercial operation. Projects with lower TRLs are advised to explore the ongoing 10th joint call of the Era-Net Bioenergy (<http://www.eranetbioenergy.net/jointcall10>);
- 5. Added value derived from European cooperation in comparison to national projects.**

Projects must be complete by August 2020.

3. Eligibility

Proposals will be considered for projects that:

- 1. Are within the scope of BESTF3 and the respective national / regional programme;**
- 2. Have eligible consortium composition:**
 - Involve at least two separate partners from at least two of the BESTF3 consortium countries;
 - Each project partner should make a significant contribution to the project;
 - Responsibility and risks are shared across the consortium;
- 3. Are industry-led;**
- 4. Have appropriate sources of matched funding.**

4. Indicative Timeline

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| December 2015 | Call opens |
| February 2016 | Deadline for submitting outline proposal |
| May 2016 | Deadline for submitting full proposals |
| March 2017 | Expected project start |

5. Briefing Event

A briefing event will be held in on 1st December 2015 in the UK and will be available to join online. To register to attend the event in person please follow this link:

<http://eranet-opportunities.eventbrite.co.uk>

To register for the webcast please follow this link:

<http://eranet-opportunities-webcast.eventbrite.co.uk>