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# **FP7 – funding for algal projects**

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***Helen Fairclough***  
***Energie Helpline UK***



# Overview

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- Introduction to the Energie Helpline
- Framework Programme 7 – a brief introduction
- Relevant FP7 Energy topic
- Relevant FP7 Food, Agriculture and Fisheries and Biotechnology (KBBE) topics
- Energie Helpline services



# Energie Helpline UK

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- Funded by Department of Energy and Climate Change
- Provide support for UK organisations on European energy funding programmes
- Part of European National Contact Point network
- Programmes used to augment national funds and tackle issues of a European nature





# Framework Programme 7 (FP7)

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- European Commission's funding programme for R&D
- 10 themes in total from health to space and security
- Total budget of 50.5B€ for 7 years
- Designed to enhance the competitiveness of Europe through collaborative research and supporting activity
- Total budget for energy is 2.3B€ (2007-2013)



# Framework Programme 7

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- Research and demonstration
- Collaborative
- Cost sharing (no profit)
- Commission defined priorities
- Innovative
- European impact



# Eligibility to participate

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- Any legal entity established in a Member State (MS) or Associated country (AC)
- Minimum for collaborative projects is usually 3 independent participants from 3 different MS or AC
- Work programme can add conditions on number or type of participants and place of establishment
- International organisations and participants from third countries can participate only if in addition to the minimum consortium membership



# Funding rates

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## Collaborative projects

- Research activities: 50% of eligible costs except for:
  - SMEs: 75%
  - Public bodies: 75%
  - Secondary and higher education establishments: 75%
  - Research organisations (non-profit): 75%
- Demonstration activities: 50% of eligible costs
- Other activities (including management): 100%

Overheads at 20% flat rate of direct costs, minus the costs of subcontracting and the costs of 3rd parties (60% for SMEs, public bodies, higher education, not for profit organisations is maintained for 2010 calls)



# Relevant Calls

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**FP7-ENERGY-2010-2, budget of 126M€ for whole Call**

- **3.4-1 Biofuels from algae (15M€)**

**FP7-KBBE-2010-4 , budget of 190M€ for whole Call**

- **3.2-01 Sustainable culture of marine microorganisms, algae and/or invertebrates for high added value products (9M€)**
- **3.2-03 Modification of marine or freshwater algae to better suit industrial applications (6M€)**



# Energy Call 2010-2

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## **FP7-ENERGY-2010-2:**

- Single stage submission by 4<sup>th</sup> March 2010
- Focus on demonstration (70% of project budget)
- Projects should be led by appropriate industry
- Must deliver large impact for 2020 objectives – convincing impact plan, high replication/deployment potential
- Call documentation at:

<http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.FP7CallsPage#Energy>



# Biofuels from algae

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## 3.4-1 Biofuels from algae:

- Demonstration at industrial scale of algae and their subsequent use in biofuel production and seamless application in transport
- Minimum farming area 10 ha and productivity in the range of 90 to 120 dry tons/ha.y
- Should cover full process up to biofuel production
- Tested in real fleets under real conditions
- Certification of quality (CEN standards)
- Improved sustainability and separation of land-for-food versus land-for-fuel issue across the value chain
- No projects based on fossil fuel installation



# Biofuels from algae

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- Up to 3 collaborative projects with predominant demonstration component
- Industrial leadership is favoured
- Use of Risk Sharing Finance facility would be appropriate  
[www.eib.org/rsff](http://www.eib.org/rsff)
- Evaluation in May 2010
- Negotiation in Sept/Oct 2010
- Contract signature at end 2010



# KBBE Call 2010-4

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## FP7-KBBE-2010-4:

- Single stage submission by 14<sup>th</sup> January 2010
- Evaluation complete three months after deadline
- Contract signature at end of 2010
- Call documentation at:

<http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.FP7CallsPage#KBBE>



# Sustainable culture of algae

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## **3.2-01: Sustainable culture of marine microorganisms, algae and/or invertebrates for high added value products:**

- Aim to overcome bottlenecks and barriers currently encountered in culturing marine organisms with suspected or known bioactive properties
- Focusing on one or more types of, for instance, bacteria, algae, fungi or invertebrates such as sponges, corals and molluscs
- Facilitating the efficient and sustainable enclosed cultivation of these organisms
- Identify possible applications as a prerequisite for the design of sustainable
- production pathways
- Full adherence to international treaties during collection



# Sustainable culture of algae

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- Up to 3 collaborative projects (small or medium-scale focused research project), with maximum EU contribution of 3M€
- Active participation of industry (particularly SMEs) and of relevant partners from International Cooperation Partner Countries is considered essential to achieve expected impact
- Support to the European Strategy for Marine and Maritime Research (2008)



# Modification of marine or freshwater algae

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## 3.2-03: Modification of marine or freshwater algae to better suit industrial applications:

- Aim is to target the improvements needed for efficient development and application of industrial algae-based products (e.g. bioplastics, biofuels, biocomposites, pharmaceuticals, pigments)
- Modification via genetic engineering of several selected species of micro- and/or macroalgae (excluding cyanobacteria)
- Optimisation of selected organisms will result in new or modified products and/or in improved content of components for an effective commercial application
- Development of a concept for industrial scale production facilities
- Full adherence to relevant GMO regulations as well as international treaties on biodiversity preservation



# Modification of marine or freshwater algae

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- 1 collaborative project (large scale integrating project), with maximum EU contribution of 6M€
- Active involvement of industry (particularly SMEs) in close collaboration with leading research institutions is considered essential to achieve expected impact
- Support to the European Strategy for Marine and Maritime Research (2008)



# Energie Helpline UK Services

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- Telephone and email helpline – 9am to 5.30pm weekdays
- Monthly email bulletin – mailing list
- Website – [www.energiehelpline.co.uk](http://www.energiehelpline.co.uk)
- Information Days
- Evaluation of results and statistics
- Online training sessions
- Proposal clinics
- Proposal review service



# Contact details

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Energie Helpline UK

Tel: 0161 874 3636

Email: [energie@enviros.com](mailto:energie@enviros.com)

[www.energiehelpline.co.uk](http://www.energiehelpline.co.uk)