

**Programme:** EU-HORIZON 2020 Industrial leadership - 2014-2020

**Call:**

BIOTEC-02-2019

**Topic/s:**

Proposals should work towards the optimisation of photosynthesis by capitalising on multidisciplinary approaches, such as functional genomics, systems biology, metabolic modelling, enzyme engineering, computational biology, synthetic biology, directed evolution and gene editing techniques.

Proposals should cover at least one of the following:

- new tools improving the performance of the catalytic enzymes involved in photosynthesis;
- new tools to increase the rate of CO<sub>2</sub>-fixation;
- engineered enzymes for novel CO<sub>2</sub>-fixation pathways.

Proposals should include Social Sciences and Humanities (SSH) elements regarding the technologies used and the environmental and socio-economic impact of the expected output.

**Beneficiaries:** Local public authority; Regional public authority; National public authority; Sectorial agency; Infrastructure and (public) service provider; Interest groups including NGOs; Higher education and research; Education/training centre and school; Start up; Large enterprise, enterprise excluding SME; SME; Business support organisation; EGTC; General public; International organization, EEIG under national law

**AG1 priority fields:** Agriculture

**Call Budget:** 31000000,00€

Co-funding type:

**Co-funding type:** % percentage

**Co-funding percentage maximum:** 100%

**Opening date:** 16 Oct 2018

**Deadline date:** 22 Jan 2019

**Call presentation and documents:**

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/...>