

SCOPE

The scope of this expert panel includes biological and biotechnological research, which focuses on generating fundamental knowledge of biology aiming at applications in the environment, agriculture and forestry, industry, and/or society, but excluding (bio-)medical research.

In particular, the following topics are covered (not exhaustive):

TOPICS

- Handling and processing of living material and the application of living organisms (plants, animals, micro-organisms), parts thereof or biological principles in production processes and biosystems.
- (Bio-)chemistry of technological processes and biosystems with the purpose of analysing, controlling or improving them.
- Research on animals, plants and micro-organisms with economic and societal implications.
- Research on (sustainable) management of ecosystems, biodiversity conservation and environmental technological processes.

EXAMPLES OF DISCIPLINES (NOT EXHAUSTIVE)

- » Agriculture and horticulture
- » Agrochemistry / agro-technology
- » Animal production (including aquaculture and fishery) and genetics
- » Applied and industrial biotechnology (microbiology, plant, animal)
- » Applied animal physiology, animal welfare, animal nutrition
- » Applied biochemistry, applied molecular biology, applied organic chemistry and synthetic biology
- » Applied ecology / physical ecology
- » Applied plant physiology / plant protection
- » Bioprocess technology, bioprocess modeling and computational biology
- » Conservation biology
- » Ecotoxicology
- » Environmental (bio-)technology and bioremediation
- » Food sciences (non-medical; food chemistry, food microbiology, food technology)
- » Forestry
- » Nature-based solutions/ bio-inspired design
- » Plant production and genetics
- » Soil science (biological aspects)