

CERIC's Contribution to SDGs

CERIC contributes in providing solutions to pressing societal challenges and responding to the UN sustainable development goals (SDGs), with an increased focus on the **development of services in the fields of energy and life sciences**.

CERIC research projects provide **ground-breaking discoveries** that largely contribute to different sustainable development goals. Two examples are presented below.

7 AFFORDABLE AND
CLEAN ENERGY



15 LIFE
ON LAND



Photosynthesis is a vital reaction for life on Earth. It maintains the Earth's oxygen atmosphere by splitting water using solar energy. CERIC's users succeeded in producing an artificial photosynthetic system with an increased efficiency, close to natural ones, that could be applied for environmentally-friendlier hydrogen production.

**Environmentally-Friendly Photosystems
Inspired by Nature**

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



15 LIFE
ON LAND



Plastic pollution represents a serious threat for the environment and to the biodiversity. The discovery of microplastics in small invertebrates in Antarctica by researchers from the University of Siena, highlights the widespread pollution of the water and raises concern on its impact in the fragile Antarctic terrestrial ecosystem.

**Microplastics in the Antarctic
Terrestrial Food Web**