



## **Euro-BioImaging ERIC's contribution to SDGs**

Imaging technologies provide crucial observations that help scientists understand the world around us. Euro-BioImaging ERIC provides open access to the technologies and expertise that support break-through discoveries in health, food security, plant biology and marine ecosystems, thus contributing to UN Sustainable Development Goals.

### **Climate Action & Life below water**

Coral reefs are home to some of the most biodiverse ecosystems on Earth. But warmer oceans cause harmful change to these delicate environments. Researchers at **Israel BioImaging**, our Node in Israel, developed underwater microscopes to examine phenomena such as coral bleaching at the micrometre level. Looking at important biological patterns "up close" is crucial since small-scale processes can drive large-scale ecosystem change.

Underwater microscopes to observe marine organisms

### **Good health & well-being:**

Imaging technologies are crucial to understanding cancer. From the molecular and cellular biology of DNA replication and repair which is studied at Euro-BioImaging's **Sofia BioImaging Node** in Bulgaria to the development of a new imaging-based approach for investigating tumor metabolism. At the Euro-BioImaging's **Molecular Imaging Italian Node**, biomedical imaging technologies support breakthrough developments in drug discovery, early diagnosis and therapy monitoring that improve human health and well-being.

Imaging technologies to study DNA repair and tumor metabolism