

The background of the entire page is a blue-tinted photograph of a scientific instrument, possibly a synchrotron beamline. In the foreground, a pair of hands is visible, one holding a small component and the other using a screwdriver to adjust it. The instrument has a large circular opening in the center, revealing internal components. The overall tone is professional and technical.

CERIC

Open for
Science

Celebrating **10 years**
of scientific excellence



A research institution with a single access point to complementary techniques for multidisciplinary research in all fields of materials and biomaterials sciences, and nanotechnology.

CERIC offers a combination of methods spanning NMR, X-ray electron spectroscopy and light scattering, ion beam analysis, high resolution electron microscopy, X-ray electron spectroscopy, materials analysis using synchrotron radiation and neutron beams.

The CERIC offer has been expanding throughout the years, with a wider set of state-of-the-art techniques, which have been added, in particular in the fields of fuel cells, battery research and life sciences.

History



2014

CERIC setup
~25 techniques in 7
Countries

2016

Focus on internal
research

2019

CERIC's science
strategy, with a focus
on energy materials &
life science

2020

COVID 19 Fast
Track Access

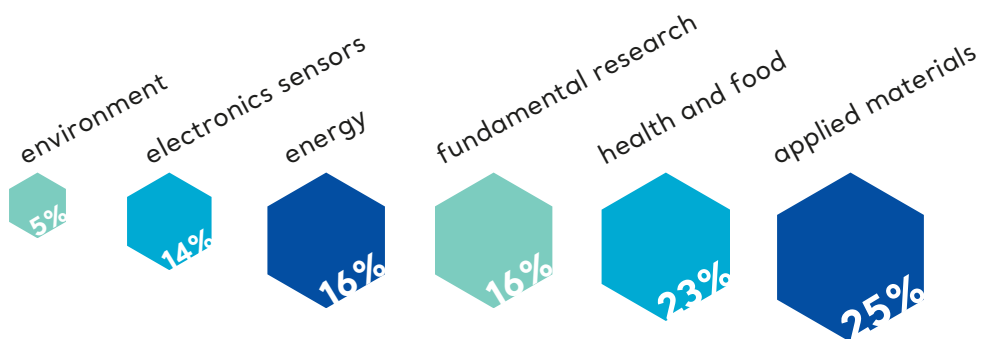
2021

Procedures for
Associated Facilities
adopted

2024

Over 60 techniques in
11 Countries (PF+AF) +
Introduction of the fees

Share of CERIC Top 10% papers of domain




Scientific Impact

715 publications
2014-2023

12% among 10% most cited
papers (2023)

Examples of indicators of CERIC contribution to economic development



Around 250 Companies to which CERIC opportunities, services and innovations have been presented

11% CERIC's publication in 2023 have industry involvement

17% of CERIC articles have first or second degree patent citation



Economic Impact

**219,300 Euro
in 2023**

Impact on Member States



Increased scientific productivity

SI-PF double n° of papers per unit usage time



Increased scientific quality

The impact factor of RO PF is 8.65 vs 5.12 in RO research



Strengthening internal research

AT PF identifies excellent research topics



Technological innovation

CZ PF - sample holder though CEROP



Diversifying research performed at instruments

IT PF



Expanded research networks

RO PF submitted 9 projects within CERIC users and/or PF in different scientific domains



Increased participation in EU projects

IT, HR, CZ, AT, PL PFs



Developing new methodologies for applied research

HU PF