

WHO WE ARE

The Czech Academy of Sciences (CAS) is an organisational unit of the Czech Republic; our activities are thus co-funded by the state budget. The Academy is headed by the President of the CAS, and its supreme self-governing body is the Academy Assembly, which meets twice a year. The CAS is a complex of 54 research institutes (so-called public research institutions).



OUR MISSION

The CAS institutes conduct research in the natural, technical, and social sciences as well as the humanities. We strive to develop scientific knowledge at the international level, while taking into account the specific needs of both the Czech society and culture. We participate in education, primarily by educating young researchers via doctoral study programmes, the pedagogical activities of our researchers at universities, and by means of activities popularising science aimed at the general public, including the youngest. We also foster cooperation with the industry and applied research, participating in many international projects.



OUR HISTORY

The CAS builds on the heritage of its distinguished predecessors, such as the Royal Czech Society of Sciences, founded in 1769, and the Czech Academy of Sciences and Arts, founded in 1890, which later became the Czech Academy of Sciences and Arts (1918) and the Czechoslovak Academy of Sciences (1952).



54 research institutes

3 scientific areas

12,000
employees

1 Nobel Prize

2,000
PhD students

40+
ERC grants

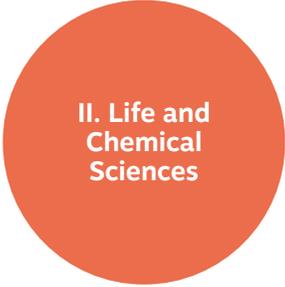
Building
a legacy since **1890**



**Top research
in the public interest**



I. Mathematics,
Physics, and
Earth Sciences



II. Life and
Chemical
Sciences



III. Humanities
and Social
Sciences

1. SECTION OF MATHEMATICS, PHYSICS, AND COMPUTER SCIENCE

Research activities range from purely theoretical to applied disciplines, from the microcosm of elementary particles to cosmic radiation, from the interactions of complex processes in the brain or climate processes to artificial intelligence.

2. SECTION OF APPLIED PHYSICS

The fundamental laws of physics are the basis for cutting-edge, interdisciplinary research on new structures and macroscopic properties of solids, fluids, and plasma. The research has broadscale potential for application in various fields of science, technology, and everyday life.

3. SECTION OF EARTH SCIENCES

The research focuses on continental physical and geological issues of Earth's composition, structure, and evolution, including its atmosphere, and local and regional features of the geologic structures of the Czech Republic, which represents a unique geological formation in the European context.

4. SECTION OF CHEMICAL SCIENCES

The chemical research of today builds on the tradition established by prominent Czech chemists such as Nobel Prize winner Jaroslav Heyrovský, Rudolf Brdička, František Šorm, and Otto Wichterle. It covers both experimental and theoretical research in the fields of physical, organic, macromolecular, and analytical chemistry, as well as biochemistry and chemical engineering.

5. SECTION OF BIOLOGICAL AND MEDICAL SCIENCES

The aim of the research is to learn about the processes occurring in living systems – from the molecular and cellular level to whole organisms, i.e., viruses, bacteria, fungi, plants, and animals.

6. SECTION OF BIO-ECOLOGICAL SCIENCES

Research is focused on obtaining new knowledge about the relationships and interactions between individual organisms, including parasites and their hosts, between organisms and their environment, and about the influence of humankind on the functioning of and changes in ecosystems.

7. SECTION OF SOCIAL AND ECONOMIC SCIENCES

The subject of research is the complexities of society and its transformations in all aspects of life: from the economy to changes in the social structure to the transformation of the legal system, which is also reflected in the issues studied by psychology and sociology.

8. SECTION OF HISTORICAL SCIENCES

Historical sciences focus primarily on examining history in a broader, transnational context and studying developments on our territory from prehistoric times to the most recent past, with an emphasis on issues that have helped shape a national and cultural identity.

9. SECTION OF HUMANITIES AND PHILOLOGY

Research relevant to a national culture and erudition, covering a period of time from the beginnings of philosophy and literature to the present day, is the focus of six CAS institutes whose research contributes to the understanding and preservation of the cultural heritage of our own and other nations.

