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The background of the slide is a dark, teal-toned image. It features a hand holding a transparent, 3D-like structure that resembles a DNA double helix or a complex molecular model. In the background, a microscope is visible, and there are faint, glowing particles or data points scattered across the scene. A thin red vertical line is positioned to the left of the main title text.

Clinical large research infrastructures of the Czech Republic in the context of European Research Area

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1. Ministry of Education, Youth and Sports – mission

- Public authority of the Czech Republic in charge of **policy-making and public funding of R&D**, including international cooperation in R&D and use of the European Structural and Investment Funds
- **Leading public funding provider for R&D in the Czech Republic**
 - Institutional funding for higher education institutions
 - Large research infrastructures funding instrument
 - Funding of international R&D initiatives and programmes
- **International cooperation of the Czech Republic in R&D**
 - COMPET, RWG, ERAC, ESFRI, GPC, SFIC, Horizon 2020 PC, etc.
 - Membership in international R&D organisations and ERIC consortia
 - Participation in international R&D initiatives and programmes
- **Responsible for European Structural and Investment Funds**
 - Dedicated mostly to public R&D sector (i.e. higher education institutions, public research institutions of Czech Academy of Sciences and other research entities)
 - Operational Programme Research, Development and Education for the EU cohesion policy period 2014-2020





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2. Large research infrastructures – funding scheme

- Legal definition of a **large research infrastructure** is introduced by the national legislation on the support of research, development and innovation from public funds of the Czech Republic
 - *“Research infrastructure, which is essential for comprehensive research and development with heavy financial and technological demands, which is approved by the Government of the Czech Republic and established for use of other research organisations.”*
- Common characteristics criteria of large research infrastructures
 - **Uniqueness**
 - **Open access**
 - **Excellence**
 - **National impact**
 - **International overlap**



→ Service facility!



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3. Roadmap of large research infrastructures of the Czech Republic for the years 2016-2022

- Strategy and policy document of the Czech Republic prepared by the **Ministry of Education, Youth and Sports** and adopted by the Government of the Czech Republic
- For the very first time issued in 2010, afterwards updated in 2011 and 2015, the latest **update planned for 2019**, following a comprehensive international assessment of large research infrastructures in 2017
- Overview of genesis of the agenda, evaluation methodology, strategy outlook, landscape analysis, description of individual large research infrastructures in 6 scientific areas
 - **Physical sciences and engineering**
 - **Energy**
 - **Environmental sciences**
 - **Biomedicine / Health and food**
 - **Social sciences and humanities**
 - **ICT / e-infrastructures**

www.esfri.eu/national-roadmaps

<https://www.vyzkumne-infrastruktury.cz/en/>





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4. Large research infrastructures – health and food

- **BBMRI-CZ** – Bank of Clinical Specimens
- **CCP** – Czech Centre for Phenogenomics
- **CIISB** – Czech Infrastructure for Integrative Structural Biology
- **CZECRIN** – Czech National Node to the European Clinical Research Infrastructure Network
- **Czech-BioImaging** – National Research Infrastructure for Biological and Medical Imaging
- **CZ-OPENSREEN** – National Infrastructure for Chemical Biology
- **EATRIS-CZ** – Czech National Node to the European Infrastructure for Translational Medicine
- **ELIXIR-CZ** – National Research Infrastructure for Storing, Processing and Analysing Life Science Data
- **METROFOOD-CZ** – Infrastructure for Promoting Metrology in Food and Nutrition in the Czech Republic
- **NCMG** – National Centre for Medical Genomic





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- **Membership in European Research Infrastructure Consortia (ERIC)**
 - **BBMRI** (Biobanking & Biomolecular Resources Research Infrastructure)
 - **EATRIS** (European Infrastructure for Translational Medicine)
 - **ECRIN** (European Clinical Research Infrastructure Network)
 - **EU-OPENSREEN** (European Infrastructure of Open Screening Platforms for Chemical Biology)
 - **INSTRUCT** (European Integrated Structural Biology Infrastructure)
- **ERIC to be established with membership of the Czech Republic**
 - **Euro-BioImaging** (European Research Infrastructure for Imaging Technologies in Biological and Biomedical Sciences)





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5. Large research infrastructures funding until 2022

- **Large research infrastructures international assessment in 2017**
 - **Expert basis for decision-making procedure** on funding of large research infrastructures in 2020-2022, both by using state budget expenditures and European Structural and Investment Funds
- **Decision of Government of the Czech Republic on funding in 2018**
 - The multiannual financial framework for covering the **operational costs** by using state budget expenditures in the years 2020-2022 was set by Research, Development and Innovation Council at the level of **1 890 million CZK (≈ 75 million EUR) per year**
 - The multiannual financial framework for covering the **investment costs** by using European Structural and Investment Funds in the years 2020-2022 was set by the Ministry of Education, Youth and Sports at the level of **3 billion CZK (≈ 120 million EUR) totally**
 - Complementary and synergy use of state budget expenditures of the Czech Republic and European Structural and Investment Funds

**48 large research infrastructures
to be financially supported from the
public funds of the Czech Republic**





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Thank you for your attention!

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