



INSTITUTE OF INFORMATION AND
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E-infrastructures developments in Bulgaria

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- Substantial investment in infrastructure (HPC, Data storage facilities, network enhancement)
 - including 2 supercomputers in TOP500 (Discoverer and HEMUS) in the last 2 years
- Big research centres in ICT, e.g., Centres of excellence
- Vibrant start-up ecosystem, complemented by ICT development centers established by large multinational companies

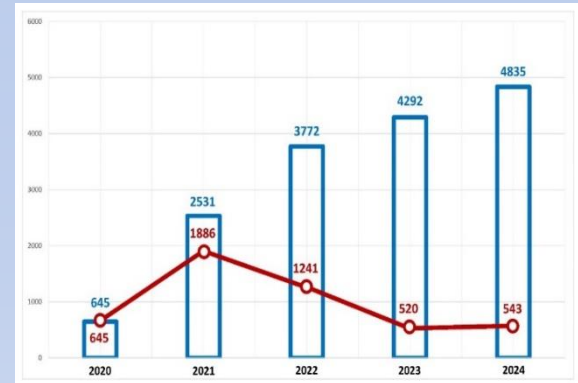


- The ***National Roadmap for Research Infrastructure of the Republic of Bulgaria*** is a long-term strategic document through which the development of research infrastructure in Bulgaria is planned. The infrastructures included in the roadmap are both physical objects and network structures, as well as consortia related to the country's membership in international organizations with scientific infrastructure.
- The third updated edition of the National Roadmap for RIs covers the period 2020 - 2027 and includes a total of 50 projects (including CCs and CoEs).
 - Section 7: E-infrastructures. Digital, computational and computer research
- Very good collaboration at national level



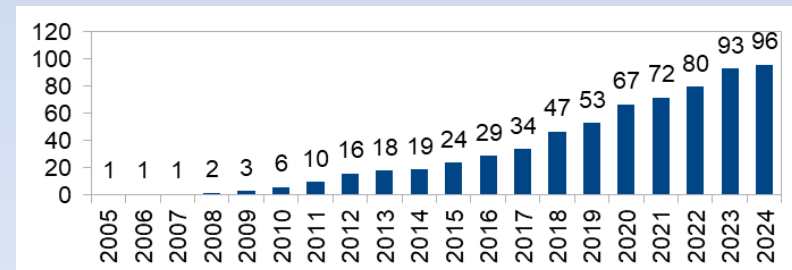
- Strategic framework:
 - **National Open Science Plan**, January 2021 – the main strategic document with regards to open science that outlines the open science vision of Bulgaria, gives an overview of reached milestones and takes them into account and outlines detailed objectives, commitments and action points for the next five years.
 - **National strategy for the development of the scientific research 2017 – 2030 + Implementation plan** – “open access to scientific information” is a strategic action point and also there is an objective “active participation in the European research area and strengthening international cooperation and partnerships in the field of science, including the EOSC and similar initiatives.”
 - **National concept for open access to scientific information** - outlines the essence and framework of open science.
 - **Guidelines** on sharing scientific publications with open access and using the national repository and the portal for open science are published in **the Bulgarian Portal for Open Science (BPOS)** and are distributed within the research community.
 - **Instructions** for publishing in the national repository are available on BPOS.
- Bulgarian National (open data sets) portals
 - **Bulgarian portal for open science (<https://bpos.bg/>).**
 - *The National repository is multidisciplinary*
 - **Open Data portal (<https://data.egov.bg/>).**
 - *Access to public open data sets in machine-readable format.*
 - **National Statistical Institute (<https://www.nsi.bg>)**
 - like the Open Data Portal provides free and unrestricted access, but for selected data sets in machine-readable data formats in CSV, JSON

- Participation in EOSC
 - Sofia University represents Bulgaria in EOSC-A
 - National initiative for *Open Data and Cloud Computing* established (9 organizations)
 - Participation in WGs and TFs
 - Participation in related projects: EOSChub, EGI-ACE, Skills4EOSC, Orbit, etc.



- Participation in European HPC related initiatives

- EuroHPC JU, PRACE
- Current projects: EuroCC1/2





THANK YOU for your attention!