

FOUNDING DOCUMENT OF THE HUN-REN INSTITUTE OF EARTH PHYSICS AND SPACE SCIENCE

I. General Provisions

1. Legal Status

1.1. The HUN-REN Institute of Earth Physics and Space Science (hereinafter: the Research Institute) is an organisational unit of HUN-REN Hungarian Research Network (hereinafter: HUN-REN), a legal entity of special status, with independent legal personality.

1.2. HUN-REN — pursuant to Act XCI of 2024 on the HUN-REN Hungarian Research Network (hereinafter: HUN-REN Act) —

- a) is a mandatory legal entity of special status,
- b) its founder is the Government of Hungary acting in the capacity of the Hungarian State,
- c) performs public duties,
- d) the assets necessary for its operation have been placed at its disposal by the founder,
- e) its activities are funded by the Hungarian State through public service financing agreements, grants, asset transfers and donations,
- f) is subject to Act CXLIII of 2015 on Public Procurement,
- g) is a non-profit organisation.

1.3. HUN-REN qualifies as a research and knowledge-transfer organisation pursuant to Section 3(16a) of Act LXXVI of 2014 on Scientific Research, Development and Innovation (hereinafter: RDI Act).

1.4. As a non-profit organisational unit of HUN-REN with independent legal personality, the Research Institute may use its assets exclusively for activities related to the public duties defined in Section 1(2) of the HUN-REN Act. In doing so, the Research Institute may conduct economic activities, which must not jeopardise the performance of its public duties. It may not distribute profits from its economic activities; such profits may only be used in connection with its public duties. The costs and revenues of these economic activities are recorded separately in its accounts.

1.5. The Research Institute is a research institution within the meaning of Section 16(1) of the HUN-REN Act, which, pursuant to Sections 2(6) and 29(2) thereof, is an organisational unit of HUN-REN with legal personality.

1.6. The Research Institute is a research and knowledge-transfer organisation within the meaning of Section 3(16a) of the RDI Act.

1.7. The Research Institute has independent assets, is entitled to independent economic management, and following its registration has an independent bank account and tax number; within HUN-REN it has a separate organisational structure and budget; its financial management is carried out within the framework set by the Governing Board, in accordance with applicable legislation and internal regulations, and is supervised by the HUN-REN Supervisory Board.

1.8. HUN-REN consents to the Research Institute applying for grants, receiving grant funding, and entering into civil law and other contracts in its own name, and managing the revenues derived therefrom — within the framework of HUN-REN's internal regulations.

1.9. The Research Institute is required to operate and perform its duties in the organisational structure defined in this Founding Document.

2. Basic Data of the Research Institute

2.1. The Research Institute operates within HUN-REN, which is registered by the Metropolitan Court under registration number

2.2. The Research Institute

name: HUN-REN Institute of Earth Physics and Space Science;

abbreviated name: HUN-REN EPSS;

English name: HUN-REN Institute of Earth Physics and Space Science;

abbreviated English name: HUN-REN EPSS.

2.3. Registered address of the Research Institute: 9400 Sopron, Csatkai Endre Street 6-8.

2.4. Branch offices of the Research Institute:

	Name of branch office	Address of branch office
1.	Kövesligethy Radó Seismological Observatory	1112 Budapest, Meredek Street 18.
2.	Alomhegy Observatory	9400 Sopron, Alomhegy Street 1.
3.	Széchenyi István Geophysical Observatory	9493 Fertőboz, Erdősor 1.
4.	Sopronbánfalva Geodynamics Observatory	9400 Sopron, plot no. 7579.
5.	Tihany Geophysical Observatory (main building)	8237 Tihany, Kossuth Lajos Street 91.
6.	Tihany Geophysical Observatory (geoelectromagnetic measurement site)	8237 Tihany, Cserhegy Street 1.

2.5. Legal predecessor of the Research Institute: HUN-REN Institute of Earth Physics and Space Science, budgetary institution [registry identification number (PIR): 846079], date of establishment: 1 April 2021.

3. Purpose and Public Duties of the Research Institute

3.1. The purpose of the Research Institute is to promote the achievement of the objectives defined in Section 1(1) of the HUN-REN Act and in the Founding Document of HUN-REN, in the research areas set out in Section 4 of this Founding Document.

3.2. The Research Institute performs the public duties defined in the HUN-REN Act as a derived legal entity, within the scope defined and detailed in Section 4 of this Founding Document.

4. Activities of the Research Institute

4.1. The core activity of the Research Institute is the observation, study and research of natural phenomena of planet Earth and its cosmic environment, with the aim of contributing to the development of the national economy and universal science, to natural resource management, and to the assessment of seismological, geodynamic, crustal structure, geomagnetic, lithosphere-physical, atmospheric-physical, space weather-related and other geophysical risks of the Carpathian-Pannonian region, as well as to the mitigation of their consequences.

4.2. Disciplinary focal points of the core activities of the Research Institute:

- a) in the field of Earth observation: observation of physical and geochemical processes occurring on and in the atmosphere of the entire surface of the planet, using space-borne instruments, other remote sensing methods, and field and laboratory observations; production and interpretation of derived data, numerical modelling of processes, development and maintenance of databases for monitoring natural and anthropogenic geological and surface-forming processes in the Carpathian-Pannonian region, and for the development of tectonic and geoenvironmental applications;
- b) in the field of geodesy: observation, geodynamic interpretation and modelling of the time-varying gravity field and shape of the Earth based on terrestrial and satellite data and observatory time series, thereby supporting the definition and refinement of reference systems required for the observation of various terrestrial phenomena;
- c) in the field of geomagnetism: observation and modelling of the Earth's magnetic field and geomagnetic induction, in order to study the physical state and processes of the space region extending from the Earth's core to the boundary of the magnetosphere; maintenance and operation of research infrastructure related to this activity, in particular operation of the geomagnetic measurement systems of the Széchenyi István Geophysical Observatory and the Tihany Geophysical Observatory, maintenance of the national geomagnetic measurement network, as well as conducting individual on-site quantitative observations, and fulfilling national and international geomagnetic data service public duties;
- d) in the field of atmospheric physics: understanding, quantitative characterisation and interpretation of the physical properties, chemical composition and related changes of planetary atmospheres,

primarily the Earth's atmosphere; in connection with this activity, operation of atmospheric-physical and meteorological measurement systems in the observatories and remote measurement stations of the research institute, and conducting observations;

- e) in the field of lithosphere physics: geochemical investigation of the lithosphere-asthenosphere and the bio-, hydro- and atmosphere system, with particular attention to fluids and their role, primarily in the plate tectonic processes of the Carpathian-Pannonian region and in the global cycling of light elements (C, H, S, N, O), specifically their effects on climate change and the stress conditions of the lithosphere;
- f) in the field of seismology: operation of the Hungarian National Seismological Network, research into the seismicity, structure and geodynamic processes of the Earth and within it the Carpathian-Pannonian region, as well as basic and applied research related to earthquake hazard;
- g) in the field of space research and space technology: observation, modelling and interpretation of the processes of the Sun-Earth physical connection and the state of the Earth's cosmic environment (space weather) using satellite and ground-based instruments, with the aim of developing basic research, space weather and space technology applications.

4.3. Other tasks related to the core activities of the Research Institute:

- a) provides public services;
- b) builds databases;
- c) publishes scientific, professional and popular science articles and such publications;
- d) supports the broad communication of scientific results and performs science communication tasks;
- e) cooperates with domestic research sites, conducts joint research with them; maintains and establishes contacts with scientific institutions of other countries and international scientific societies; promotes the presence of Hungarian research in the field of core activities in the international scientific community;
- f) organises national and international scientific programmes and conferences;
- g) promotes and supports the social and economic utilisation of scientific research results;
- h) participates in educational work in cooperation with higher education institutions, performs research, training and further training tasks;
- i) provides research opportunities within the framework of national and international cooperation;
- j) develops instruments and equipment necessary for the performance of its tasks;
- k) sells instruments and data for the purpose of performing its core activities;
- l) operates a specialist library;
- m) offers national and international services related to its research;
- n) supports the development of international scientific relations;
- o) maintains records of the real estate in its use and performs their operation and maintenance tasks;
- p) operates and maintains research infrastructure, and procures research equipment and materials.

4.4. Classification of the Research Institute's activities according to TEÁOR'25:

TEÁOR code	Name of main activity
7210	Natural science and engineering research and experimental development

	TEÁOR code	Name of other activities
1.	0910	Oil and gas extraction services
2.	0990	Other mining support services
3.	1812	Printing (except newspapers)
4.	1813	Pre-press and pre-media services
5.	1820	Reproduction of recorded media
6.	2551	Treatment and coating of metals

	TEÁOR code	Name of other activities
7.	2553	Metal machining
8.	2563	Manufacture of tools
9.	2611	Manufacture of electronic components
10.	2612	Manufacture of loaded electronic boards
11.	2630	Manufacture of communication equipment
12.	2651	Manufacture of instruments and appliances for measuring
13.	2670	Manufacture of optical instruments, magnetic and optical media, and photographic equipment
14.	2711	Manufacture of electric motors and generators
15.	2712	Manufacture of electricity distribution and control apparatus
16.	2790	Manufacture of other electrical equipment
17.	3031	Manufacture of civil aircraft and spacecraft
18.	3299	Other manufacturing n.e.c.
19.	3313	Repair of electronic and optical equipment
20.	3316	Repair and maintenance of civil aircraft and spacecraft
21.	4712	Retail sale in non-specialised stores with food, beverages or tobacco predominating
22.	4761	Retail sale of books
23.	4769	Retail sale of cultural and recreational goods n.e.c.
24.	5510	Hotel accommodation
25.	5520	Holiday and other short-stay accommodation
26.	5530	Camping grounds
27.	5590	Other accommodation
28.	5811	Book publishing
29.	5813	Publishing of journals and periodicals
30.	5819	Other publishing activities (except software publishing)
31.	5911	Production of films, videos and television programmes
32.	5912	Post-production activities of films, videos and television programmes
33.	5920	Sound recording and music publishing
34.	6010	Radio broadcasting and audio content distribution
35.	6039	Other content distribution activities
36.	6210	Computer programming activities
37.	6220	Information technology consultancy and computer facility management activities
38.	6290	Other information technology service activities
39.	6310	Computing infrastructure, data processing, hosting and related activities
40.	6820	Renting and operating of own or leased real estate
41.	7112	Engineering activities and related technical consultancy

	TEÁOR code	Name of other activities
42.	7120	Technical testing and analysis
43.	7330	Public relations and communication activities
44.	7412	Graphic design and visual communication
45.	7420	Photographic activities
46.	7430	Translation and interpretation activities
47.	7499	Other professional, scientific and technical activities n.e.c.
48.	7739	Renting and leasing of other machinery, equipment and tangible goods
49.	7740	Leasing of intellectual property and similar products, except copyrighted works
50.	7820	Temporary employment agency activities and other human resources
51.	8210	Office administrative and business support activities
52.	8230	Organisation of conventions and trade shows
53.	8422	Defence activities
54.	8424	Public order and safety activities
55.	8559	Other education n.e.c.
56.	9111	Library activities
57.	9112	Archive activities
58.	9121	Museum activities and operation of historical sites and buildings
59.	9122	Operation of historical sites and buildings and similar visitor attractions
60.	9130	Activities supporting the preservation and restoration of cultural heritage
61.	9311	Operation of sports facilities
62.	9329	Other amusement and recreation activities n.e.c.
63.	9510	Repair of computers and communication equipment

4.5. The Research Institute may also utilise its available capacity and infrastructure in its scientific research field within the framework of complementary commercial activities.

4.6. The Research Institute may provide public services related to its research activities.

II. Organisation of the Research Institute

5. Organisational Structure and Operation of the Research Institute

5.1. The Research Institute carries out its activities autonomously within the framework of HUN-REN's internal regulations; the HUN-REN Governing Board, its President, Director General and Deputy President for the relevant scientific field participate in the administrative and scientific management of its activities in accordance with the tasks and competences defined in the HUN-REN Act and internal regulations. The Research Institute is headed by a Director General.

5.2. The Research Institute:

- a) its administrative and representative body: Director General;
- b) name of its head (Director General): Dr. István János Kovács (mother's birth name: Katalin Anna Jakab);
- c) authorised to represent it: Dr. István János Kovács, Director General;
- d) the right of representation of the person referred to in point c) is general and independent.

5.3. The head of the Research Institute performs his/her activities under an employment relationship; the employment relationship is established with HUN-REN, and the employer's rights are exercised by the President of HUN-REN. The employer's rights over other employees of the Research Institute are exercised by the head of the Research Institute.

III. Dissolution of the Research Institute

6. In the event of the dissolution of the Research Institute, its rights and obligations shall survive and shall be transferred to HUN-REN as an independent legal entity.

IV. Closing Provisions

7. For matters not regulated in this Founding Document, the provisions of the Founding Document of HUN-REN, the HUN-REN Act, the RDI Act, Act V of 2013 on the Civil Code, Act CLXXV of 2011 on the right of association, public benefit status, and the operation and support of civil organisations, as well as other legislation applicable to civil organisations shall apply.

Budapest, 2025. September 29.

dr. Balázs Zoltán Hankó
Minister responsible for culture and innovation
representing the Hungarian State
— Founder —

Countersigned, Budapest, 2025. September 29.

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