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# Cabinet Order 610

Riga, 27 September 2023 (Minutes No 46 §12 )

“On the National Research Programme “Decision Support System for Climate Neutrality Targets” 2023-2025”

1. In accordance with Section 13, Paragraph 2, Clause 3 of the Law on Scientific Activity, and on the basis of Paragraph 4 of the Cabinet Regulation No. 560 of 4 September 2018 “Procedures for the Implementation of State Research Programme Projects”, to approve the National Research Programme “Decision Support System for Climate Neutrality Targets” 2023-2025 (hereinafter referred to as - the Programme).
2. To assign the Ministry of Climate and Energy as the responsible institution for the implementation of the programme.
3. The total funding of the programme is 1,250,000 euro, and the implementation period: 2023-2025. The programme is funded through the State Budget Programme 05.00.00 ‘Science’, Sub-Programme

05.12.00 ‘State research programmes’, of the Ministry of Education and Science.

1. The overarching objective of the programme is to develop a framework for a single national policy decision support tool that enables modelling of the impacts of policy decisions on the achievement of national climate neutrality targets by 2050.
2. The objective of the programme is to develop a methodology for an information technology-based decision support system that includes process models, data structures, data, algorithms and prototypes for modelling scenarios to achieve climate neutrality targets, assessing environmental, social and economic impacts and optimising the measures by planning and implementing the most cost-effective greenhouse gas emission reduction and CO2 capture increase measures in the following sectors of the national economy:
	1. energy (including transport);
	2. industrial processes and product use;
	3. agriculture;
	4. land utilisation, land utilisation change and forestry;
	5. waste management.
3. To set the following tasks for the programme:
	1. To analyse the climate policy commitments and necessary actions contained in the development planning documents of the European Union and Latvia and in the regulatory enactments in all sectors of the national economy referred to in Paragraph 5 of this Order;
	2. To identify the state of play through an analysis of domestic and international methodological solutions and tools for the climate change prevention and adaptation;
	3. To identify the data needed for the operation of the support system, in particular for the transposition of requirements of new regulatory enactments and the analysis of proposals. To conduct data quality assessment and develop an improvement plan, including information on missing data, needed improvements, additional verification, etc.;
	4. Based on the research results, to develop a complementary algorithm for a decision impact modelling support system (overall system process model and system architecture), taking into account also social, technological, economic, environmental and climate aspects and those included in regulatory enactments.
4. To set the following shared (horizontal) tasks for the programme:
	1. Building and developing interdisciplinary teams of scientists for handling matters related to climate change mitigation and adaptation, including developing collaboration between these teams and the relevant national economy sectors;
	2. Engaging in the educational process by developing undergraduate and postgraduate courses and programmes related to the objectives and tasks of the programme;
	3. Developing international research cooperation, including through international networks and consortia and project applications to European Union funds and other international research programmes;
	4. Making research results publicly available, including publishing results in open access journals and depositing newly generated research data in research data repositories, promoting re-use of data in line with the FAIR principles (findability, accessibility, interoperability, re-usability) and transfer of science and best practice;
	5. Promoting publicity and communication activities to inform the public and ensure the visibility and dissemination of the results of the Programme, thereby involving the relevant target groups and promoting knowledge transfer, understanding of the role and contribution of research in addressing issues of societal relevance.
5. The following project results to be achieved are expected during the implementation of the Programme:
	1. Scientific articles published in quartile Q1 or Q2 issues listed in the *Web of Science* or *SCOPUS* databases;
	2. Scientific articles published in other journals or collections of articles included in the *Web of Science* or *SCOPUS* databases;
	3. Research results included in scientific publications of other type (including monographs, conference materials);
	4. Research results published in popular scientific journals and resources;
	5. Newly acquired research data deposited in open research data repositories, promoting data re-use according to FAIR principles (findability, accessibility, interoperability, re-usability);
	6. Published reports on the methodologies developed and used in the research programme;
	7. Published reports on the analysis of climate policy instruments (decision support systems);
	8. Developed algorithm and prototype of a decision impact modelling support system;
	9. Implemented measures to involve sector specialists - for information and capacity building;
	10. Promoted action policy changes based on newly acquired knowledge, for example, by advising sector policy makers, preparing recommendations and guidelines;
	11. Research results integrated into professional and academic curricula.
6. Implementation of the programmes may be extended by up to one year without the award of additional funding if this is necessary to consolidate and publish the outcomes of the programme and its projects.

Prime Minister *E. Siliņa*

Minister for Climate and Energy *K. Melnis*

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