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This document was prepared in the Centre for Climate and Energy Analyses (CAKE) established in the National Centre for Emissions Management (KOBiZE), while KOBiZE is a part of the Institute of Environmental Protection - National Research Institute (IOŚ-PIB).

This document was prepared within the scope of the project: "The impact assessment of the EU Emission Trading System with the long-term vision for a climate neutral economy by 2050 (LIFE VIIEW 2050)" - LIFE19 GIC/PL/001205 – LIFE VIIEW 2050.

If you have any comments or questions regarding this document, please contact: cake@kobize.pl.

The document was completed in November 2024.

Project and editing: IOŚ-PIB

Contact:

Address: Słowicza 32,
02-170 Warsaw
WWW: www.climatecake.pl
E-mail: cake@kobize.pl
Tel.: +48 22 56 96 570
Twitter: @climate_cake

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The project "The impact assessment of the EU Emission Trading System with the long-term vision for a climate neutral economy by 2050 (LIFE VIIEW 2050)" is co-financed from the EU LIFE programme and the resources of the National Fund for Environmental Protection and Water Management.

Funded by NATIONAL FUND FOR ENVIRONMENTAL PROTECTION AND WATER MANAGEMENT

List of Contents

1. INFORMATION ABOUT THE PROJECT

- **LIFE VIIEW 2050**

  Vision on Impact & Improvement of the EU ETS Working by 2050

  - **TITLE:** The impact assessment of the EU Emission Trading System with the long-term vision for a climate neutral economy by 2050 (LIFE VIIEW 2050 – LIFE19 GIC/PL/001205)
  - **LIFE19 - Information and management**
  - **Responsible Party: (BENEFICIARY): Institute of Environmental Protection - National Research Institute** (IOŚ-PIB)/ The National Centre for Emissions Management (KOBiZE)/ Centre for Climate and Energy Analyses (CAKE)
  - **Duration: 1 December 2020 – 31 December 2024**
  - **Planned budget:**
    - **Total budget:** **€ 1 339 240**
    - **Funding from LIFE:** **55%**
    - **Funding from NFOŚiGW:** **40%**
    - **Beneficiary's own contribution:** **5%**
  - **Permanent effects of the Project:**
    Centre for Climate and Energy Analysis (CAKE) - extension of the modelling tools developed in the LIFE-Climate CAKE PL project, development of partial analyses within three work packages and high quality, accessible information and data.

2. INTRODUCTION – AFTER LIFE PLAN OBJECTIVES AND SCOPE OF THE PROJECT

The After LIFE Plan aims to maintain and extend the dissemination of knowledge and information about the results of the project's activities, highlighting their importance and benefits. This will ensure that the demonstrative and practical value of the project continues after the project has ended. The plan outlines the methods and strategies the project beneficiary will use to share its experience and exploit the knowledge and skills acquired for up to five years after the project ends, demonstrating the lasting impact and sustainability of its results.

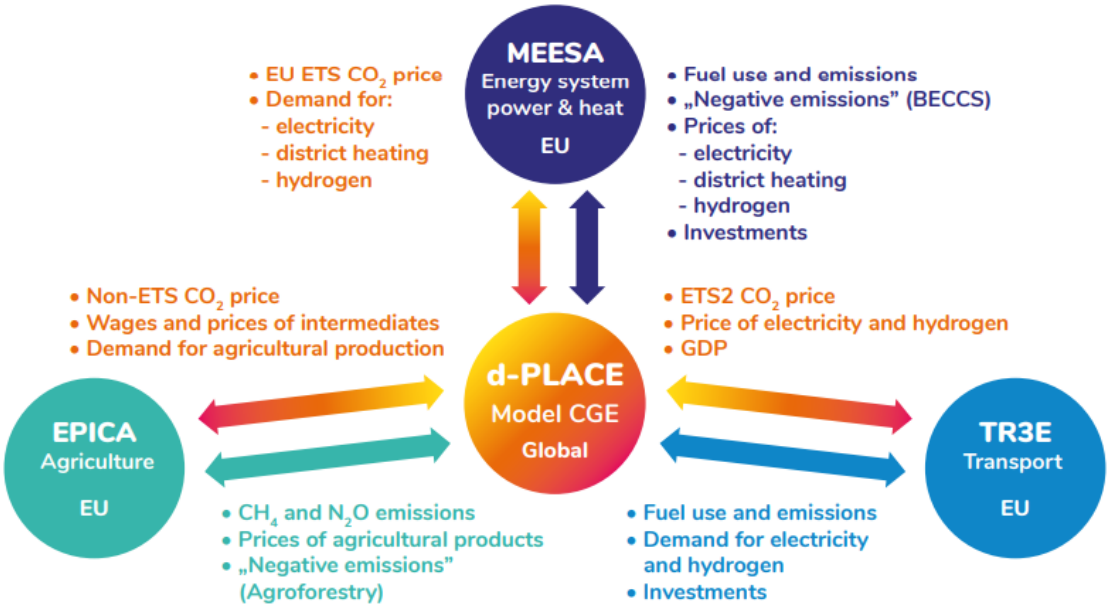
The project, led by a single beneficiary - IOŚ-PIB, based in Warsaw, Poland, had a far-reaching impact, addressing the broader energy and climate policy framework of the European Union and its individual Member States. The results of the project primarily benefited the target group identified in the project - public administrations and other stakeholders responsible for the formulation and implementation of energy and climate policies, in particular the rules of the EU Emission Trading Scheme (EU ETS). The results of the project have also been widely disseminated, ensuring access to a wide range of stakeholders in the European Union and around the world.

3. PROJECT ACTIVITIES AND RESULTS – ASSESSMENT AT THE END OF THE PROJECT

The activities of the LIFE VIIEW 2050 project can be divided into three stages.

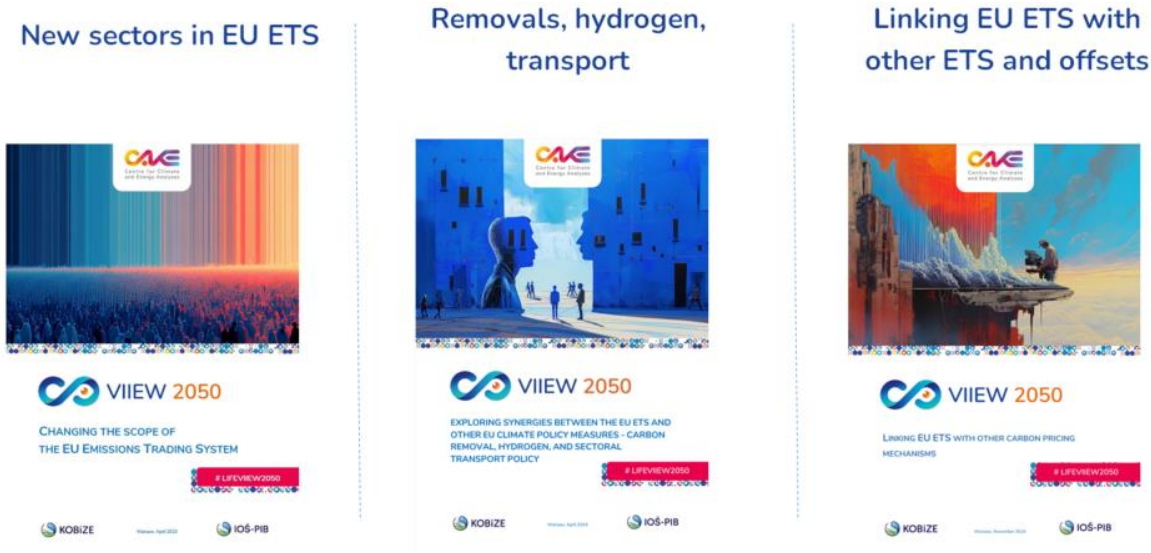
- **STAGE I** concentrated on the analytical work, which was the main component of the LIFE VIIEW 2050 project, used macroeconomic and sectoral models developed by CAKE experts. These models have been continuously improved, refined and updated by the team to reflect the changing economic, technological and social landscape. These advanced tools have allowed a comprehensive analysis of the functioning and future development of the EU ETS, with a view to a climate neutral EU economy by 2050. The analytical toolkit consists of 4 integrated models: **d-PLACE model** (CGE), **energy model MEESA** (Model for European Energy System Analysis), **transport model TR3E** (Transport European Economic Model) and **agriculture model EPICA** (Evaluation of Policy Impacts - Climate and Agriculture).

Graph. 1 Diagram of integration of models created by CAKE for the LIFE VIIEW 2050



- **STAGE II** focused on exploiting the potential created to carry out a series of analyses to produce high quality information on the impacts of implemented and planned solutions, instruments and decisions related to EU climate and energy policy. The dynamic development of EU climate and energy policies during the LIFE VIIEW 2050 implementation period, including the announcement of the European Green Deal, created new analytical challenges for the project. The results of the analyses carried out were published in **3 main research reports**, which were made available not only to the target group, but also to all those interested in knowledge in this field. In order to meet the requirements of transparency, accessibility and replicability, the technical information on the analytical tools was also published.

Graph. 2 Covers of the LIFE VIIEW 2050 reports



- **STAGE III** focused on the parallel dissemination of the knowledge and information generated during the project. This includes proactive contacts with the target group involved in the implementation of climate and energy policies, as well as with all policy stakeholders. A dedicated website (www.climatecake.pl) was created to provide continuous access to all project results and updates on project activities. We have also organised several conferences and workshops, meetings of the LIFE VIIEW 2050 Platforms and the Advisory Board. In addition, a variety of communication channels were used, such as social media platforms (X and LinkedIn), electronic and printed brochures, publications in professional journals and active participation in conferences, seminars, workshops and webinars. Dissemination of information about the project also includes interviews in the press, television, podcasts and online platforms.

LIFE VIIEW 2050 Conference, 25.10.2024

Screen of the X account, 27.11.2024

4. AFTER-LIFE ACTIVITIES - DISSEMINATION, COMMUNICATION AND REPLICATION

4.1. Continued operation of the Centre for Climate and Energy Analyses (CAKE)

DESCRIPTION: The operation and development of CAKE, established under the LIFE Climate CAKE PL project and continued under LIFE VIIEW 2050, is planned for the long term. This includes maintaining the employment of modelling experts as well as the established analytical tools and workshop. In addition, the functioning of CAKE is understood as the implementation of tasks of a similar nature to those carried out under the project, i.e. the analysis of the results of implemented and proposed energy and climate policy solutions. The subject matter of the analyses performed will be determined by the current development and agenda of PL, EU and global climate policy, including proposals presented by EU institutions and Member States in this regard.

RESPONSIBLE ENTITY: The National Centre for Emission Management / Institute of Environmental Protection - National Research Institute (KOBiZE/IOŚ-PIB).

FINANCING: The employment of the experts who form the personal core of CAKE will be financed from the own resources of the beneficiary (KOBiZE/IOŚ-PIB). The employment of other experts will be financed from the funds raised for the implementation of projects that are part of the specifics of CAKE's activities, including in particular the LIFE and Horizon Europe programmes.

CAKE will use funds from the LIFE ENSPIRE project, implemented independently by KOBiZE/IOŚ-PIB, and is a co-beneficiary of several Horizon 2020 and Horizon Europe projects. Ongoing and planned projects within CAKE activities are presented in Table 1.

Currently, Poland is working on amendments to the Act on the Greenhouse Gas and Other Substances Emission Management System, which will ensure sustainable financing of CAKE's activities within the Polish administration. This decision is based on the recognition of CAKE's past efforts, the high quality of its work and the crucial role it plays in supporting administrative tasks. The new legislation recognises CAKE's indispensable role in providing expert analysis for policy-making and confirms the need for stable funding for its continued operation. This legislative change ensures a permanent financial framework to support its activities, thus strengthening its capacity to effectively serve the Polish administration.

PERIOD: at least 10 years, i.e. until 2034 (intended to be indefinite).

Tab. 1. CAKE current and planned projects

ECEMF	ADJUST	UPTAKE	SPARCCLE
European Climate and Energy Modelling Forum	*Advancing the understanding of challenges, policy options and measures to achieve a JUST EU energy transition*	*Bridging current knowledge gaps to enable the UPTAKE of carbon dioxide removal methods*	*Socioeconomic Pathways, Adaptation and Resilience to a Changing Climate in Europe*
Horizon 2020	Horizon Europe	Horizon Europe	Horizon Europe
2021-2025	2022-2026	2023-2027	2023-2026
Delivering analyses on the feasibility of achieving climate neutrality in the EU through the use of a wide range of modeling tools (appr. 20).	Developing new research methods to facilitate the debate on Just transition and developing specific solutions to support Just transition in Europe.	Developing a new generation of tools for designing decarbonisation pathways using technologies for removal CO2 from the atmosphere (CDR technologies).	Delivery of new, cutting-edge methodological capabilities by advancing and linking knowledge across research communities, including integrated socio-economic risk assessment.
Consortium: KTH, Fondazione CMCC, IIASA, PIK, TU WIEN, E-THINK, TNO, Fraunhofer, E3-Modelling, Ministry of Infrastructure and Environment NL, ARTELYS, COMILLAS, ETH Zürich, University of Melbourne, IOŚ-PIB/KOBiZE.	**Consortium:** CMCC, BC3, FIRSCH, UCL, MCC (Mercator Institute), PSV, IEEP, London School of Economics, OEFSE, E3M, IOŚ-PIB/KOBiZE.	**Consortium:** CMCC, PIK, MCC (Mercator Institute), IIASA, PBL, E3-M, University of Strathclyde University of Aberdeen, SWP, ETH Zurich, Aarhus University, IfW, PSI, University of Hamburg , Chalmers University of Technology, IKEM, Reform Institute, IOŚ-PIB/KOBiZE.	**Consortium:** IIASA, CMCC, Climate Analitycs, E3-M, PIK, PBL, VUB,ETHZ, UNIFI, Imperial College, IOŚ-PIB/KOBiZE.

4.2. Website

DESCRIPTION: The website www.climatecake.pl was created to share the analyses being developed and also to provide information about the project to a wider audience. Currently, the website is used to disseminate information about CAKE activities, including those of other projects mentioned above, and to make available the resulting products. The website continues to have a fully functional area dedicated to the LIFE VIIEW 2050 project, with all the products produced and the possibility to download them. The website will continue to be managed by the Strategy, Analysis and Auction Unit of KOBIZE, which is responsible for coordinating the implementation of the project within the structure of the beneficiary.

RESPONSIBLE ENTITY: The National Centre for Emission Management (KOBIZE)/ Institute of Environmental Protection - National Research Institute (KOBiZE/IOŚ-PIB).

FINANCING: own resources of the beneficiary (KOBiZE/IOŚ-PIB)

PERIOD: at least 5 years, i.e. until 2029 (intended to be indefinite)

4.3. Social media communication channels

DESCRIPTION: It is planned to maintain and actively use the X and LinkedIn channels created to promote and share information about project activities. The content and contributions shared on the above-mentioned channels will be maintained, while the channels themselves will continue to be used to disseminate information on CAKE activities. The management of the website will

remain the responsibility of the Strategy, Analysis and Auction Unit in KOBIZE, which will coordinate the implementation of the project within the beneficiary's structure.

RESPONSIBLE ENTITY: The National Centre for Emission Management (KOBIZE)/ Institute of Environmental Protection - National Research Institute (KOBiZE/IOŚ-PIB).

FINANCING: own resources of the beneficiary (KOBiZE/IOŚ-PIB)

PERIOD: at least 5 years, i.e. until 2027 (intended to be indefinite)

4.4. Organization and active participation in seminars and workshops

DESCRIPTION: In addition to the continuous dissemination of the results of the analyses carried out at the Centre for Climate and Energy Analysis in relation to the LIFE VIIEW 2050 project, this activity is primarily aimed at enabling the use and replication of the know-how generated by the project. In addition to the permanent availability of the technical documentation of the modelling tools on the CAKE website, this activity will allow the active promotion and sharing of the knowledge of the analytical tools and the workshop and assistance to those interested in the further use of the results of the project.
RESPONSIBLE ENTITY: The National Centre for Emission Management (KOBIZE)/ Institute of Environmental Protection - National Research Institute (KOBiZE/IOŚ-PIB).

FINANCING: own resources of the beneficiary (KOBiZE/IOŚ-PIB)

PERIOD: at least 5 years, i.e. until 2027 (intended to be indefinite)

COP29 – Side event w Pawilonie Greckim, 18.11.2024

COP29 – Side event w Pawilonie Ukraińskim, 14.11.2024

COP29 – Side event w Pawilonie Włoskim, 12.11.2024

Konferencja LIFE VIIEW 2050, 25.10.2024

Warsztaty w JRC, 18-19.09.2024

Spotkanie Advisory Board, 24.11.2024

Konferencja ECEMP, 16.10.2024

4.5. KPI Indicators

The table below shows the indicators for evaluating the achievement of the objectives set out in the LIFE VIIEW 2050 Project.

Table 2. Main KPI of LIFE VIIEW 2050 3-year period after the project's completion

Indicator	KPI Beyond 3 years
Area of implementation	312000 km2 (PL)
Persons influenced via dissemination, awareness raising	1200
Involvement of NGO and other stakeholder	5
Website – no of unique visits	2700
Number of events organised	6
Number of publications	8
Surveys carried out	120
Networking – member of interest groups	90
Professionals	55
Jobs	5
Operating costs	1 339 240
Future funding – grants, subsidies	300 000
Future funding – own contribution	300 000

5. SUMMARY

Looking ahead, CAKE is on the cusp of breakthrough opportunities. Rooted in the successes of the LIFE and Horizon projects, we are not only continuing our critical role in ongoing efforts, but also venturing into new areas of climate policy and energy analysis. This unique blend of delivering practical results and advancing scientific knowledge through our diverse project involvement puts us in an advantageous position to shape and implement robust, data-driven climate policies. As we embark on this journey, we look forward to new projects that will broaden our scope, increase our impact and strengthen the scientific basis for climate action across Europe and beyond. Committed to pushing the knowledge frontier, CAKE aims to support sustainable policies that pave the way for a resilient and low-carbon future.

The integration of LIFE and Horizon projects has led to significant synergies. Horizon projects, in collaboration with leading scientific institutions, have significantly strengthened CAKE's research capabilities. Conversely, LIFE projects, with their focus on tangible outcomes, ensure that these enhanced capabilities are efficiently applied to the formulation and implementation of climate change policies, thereby achieving meaningful environmental benefits in a cost-effective manner. Together, these efforts not only push the boundaries of scientific research through publications and educational initiatives, but also enhance the prestige of the institutions involved in these projects. We are also laying the groundwork for future endeavours.

Centre for Climate and Energy Analyses

National Centre for Emissions Management
Institute of Environmental Protection
National Research Institute

Co-funded by the European Union

The project entitled 'The impact assessment of the EU Emission Trading System with the long-term vision for a climate neutral economy by 2050" LIFE VIIEW 2050 (LIFE19 GIC PL/001205) has received funding from the European Union's LIFE Programme and from national funds from the National Fund for Environmental Protection and Water Management.

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