

Centre for Systems Solutions

ACTIVITY REPORT

2024

(draft version)

In 2024, we have divided the projects into two categories: EDU and POLIS.

We brought to the end ... projects:

We continued some ongoing projects from last year:

We also kick-started ... new projects:

We created 5 new captivating experiences: (symulacje)

This year ... change-makers joined our team, which means that our team increased from ... people in December 2023 to ... in 2024!

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Special Thanks

We would like to express great appreciation to Jan Sendzimir. Our organization wouldn't be the same without his support and creativity. Not only was he one of its main ideators but has also offered assistance in implementing its mission.

We would also like to thank our project partners, supporters, members of CRS association, and volunteers. Your time and expertise have enabled us to achieve the successes outlined in this report. It is your efforts that assist us in continuing our mission of enhancing science-policy integration and promoting social dialogue on sustainable development.

We also extend our thanks to all the moderators and facilitators who use and promote our simulations, as well as all simulation users and participants of our workshops and webinars. Your continuous engagement, creativity, and curiosity help us to broaden our perspectives, improve the tools we offer, and make them more impactful.

We are immensely grateful to everyone who is part of our Social Simulations community. None of this would be possible without you.

Projects

Finalized in 2024

Up To You: Making Europe's Future Sustainable! A simulation-based learning program for schools

 Project Duration 2022-2024 Funding Erasmus + Website uptoyou.socialsimulations.org Contact person Aleksandra.Solińska-Nowak aleksanda.solinska@systemssolutions.org	Project Overview In the project Making Europe's Future Sustainable! A simulation-based learning program for schools, a comprehensive game-based learning and teaching program on sustainable development for cross-curricular education in secondary schools will be developed. The overarching aim of the project is to foster citizens' competencies among Europe's youth, making them more aware of global challenges and encouraging them to become active changemakers. The learning program provides solutions that meet school education's requests of high quality and innovative open access digital learning resources. It enables education institutions to provide students with a unique learning experience on how to become global citizens and contribute actively to the implementation of the Agenda 2030 for Sustainable Development. The program is being developed in cooperation with students and teachers in Poland, Austria and Hungary, and consists of a set of resources: • Up to You! Simulation • Teachers' toolkit
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Partners Austrian Foundation for Development Research Rogers Foundation for Person-Centred Education Vienna University Children's Office	• Digital learning materials • Online learning platform • "What we recommend" manual • In the project, we are responsible for developing an online multiplayer simulation Up to You!
Countries Austria, Hungary, Poland	

Education to Citizenship

 Iceland Liechtenstein Norway grants Project Duration 2022-2024 Funding EEA Funds Website rzeczspoleczna.pl Contact person Michalina Kułakowska michalina.kulakowska@systemssolutions.org Partners Common Thing Foundation Stanisław Brzozowski Association Phronesis SA Countries Poland, Norway	Project Overview The context of the Education to citizenship project is the need to develop and consolidate civic education tools for adults. To meet these expectations, the Common Thing Foundation and its partners will create a range of attractive tools for adult civic education. Education to citizenship benefits from a grant of EUR 171 017 through the EEA Funds. Thanks to that funding, 3 partners from Poland and 1 from Norway will create an innovative training program for civic educators working with local communities. The project plans to run courses for civic educators at two levels: basic and advanced. Participants in the events will be civic educators working or planning to work with communities, especially those of marginalized backgrounds. The aim of the events organised by the Common Thing Foundation, the Centre for Systems Solutions and the Stanisław Brzozowski Association (Krytyka Polityczna) will be to disseminate the results of the project: a programme of courses, an educational game and a manual. The Centre for Systems Solutions will take the lead in developing an innovative educational game (social simulation). Education for Citizenship is benefiting from a grant of 171 017,00 EUR received from Iceland, Liechtenstein and Norway under the EEA Funds.
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Nordic Food Alert: A Regional Crisis Simulation on Food System Resilience

 Project Duration 2024 Funding Nordic Council of Ministers Website https://foodalert.socialsimulations.org/workshop-2 Contact person Piotr Magnuszewski piotr.magnuszewski@systemssolutions.org Partners Nordic Council of Ministers Sciences Po Paris Countries Åland, Denmark, Finland, France, Greenland, Iceland, Norway, Sweden, The Faroe Islands	Project Overview Developed in response to the Nordic region's growing exposure to climate impacts, geopolitical volatility, and reliance on food imports, the Nordic Food Alert project focused on regional food system resilience. In October 2024, it convened a high-level simulation workshop to test preparedness and spark forward-looking policy solutions tailored to the Nordic context. Thematically, the workshop addressed: • Nordic food security and climate resilience • Geopolitical disruptions and trade risks • Cyber/infrastructure vulnerabilities • Collaborative policy-making and innovation The workshop was rooted in the context of the Karlstad Declaration (June 2024) and was designed to directly inform policy discussions among national governments and Nordic institutions. Stakeholders included national ministries, Nordic Council representatives, food agencies, regional civil society actors, and private sector representatives. CRS co-led the design and facilitation of the crisis simulation, contributing: • Scenario development and technical methodology via the Technical Working Group • Interactive tools (app-based simulation materials, visual storytelling) • Expert facilitation and systems thinking methods • Integration of policy outputs for presentation to relevant senior officials
CRS Results • Food Alert Nordic Report https://pub.norden.org/temanord2025-528/	

Food Alert: A Crisis Simulation for Stress Testing the European Food System

 Project Duration 2023-2024	Project Overview Food Alert was initiated to fill a gap in available tools for crisis preparedness in European food policy. The project focused on the use of stress-testing to explore vulnerabilities and resilience in the European food system, particularly under scenarios of climate-driven disruption. It aimed to inform
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Funding European Institute of Innovation & Technology – Food (EIT Food) Ministry of Agriculture, Government of the Kingdom of the Netherlands Website https://foodalert.socialsimulations.org/ Contact person Piotr Magnuszewski piotr.magnuszewski@systemssolutions.org Partners Chatham House European Policy Centre (EPC) Institut national de recherche pour l'agriculture, l'alimentation et l'environnement (INRAE) Prospero and Partners Sciences Po Paris Countries Belgium France Netherlands United Kingdom	EU food system transformation by developing a practical, participatory policy tool rooted in real-world governance dynamics. In early 2024, the project delivered a European-level crisis simulation in Brussels. Thematically, the project connected with: • Climate adaptation and systemic risk • Food security and governance • Policy readiness and cross-sector resilience CRS played a leading technical and facilitation role, with the following key contributions: • Coordinated the Technical Working Group and led the design of the crisis simulation scenario • Developed and facilitated interactive simulation experience using a mobile app, visual storytelling, and live moderated breakout groups • Ensured methodological integrity in systems thinking and stakeholder engagement, drawing on prior experience from the CASCADES project Simulation participants included senior officials from the European Commission (DG AGRI, Secretariat General), ministries from EU member states, city governments, producer/trade groups, academic institutions, NGOs, and journalists.
CRS Results • Food Alert Simulation Workshop, run in Brussels on a multi-stakeholder workshop (https://foodalert.socialsimulations.org/workshop) • Food Alert Simulation Workshop Report https://foodalert.socialsimulations.org/wp-content/uploads/sites/34/2024/03/FA_report_final.pdf News & Updates Food Alert Press Releases: https://www.bloomberg.com/news/features/2024-03-06/eu-governments-prepare-for-possibility-of-food-crisis?srn=d=homepage-middle-east&sref=7YMSv3yk https://www.bloomberg.com/news/newsletters/2024-03-06/europe-s-new-security-nightmare-is-food-supply	

<https://www.geo.fr/geopolitique/guerre-en-ukraine-pandemie-el-nino-europe-risque-t-elle-la-famine-simulations-bruxelles-stress-test-wargame-219138>

<https://www.fnp.de/wirtschaft/kakao-olivenoel-preise-klimawandel-klimaforscher-inflation-lebensmittel-lebensmittelkrise-zr-92990524.html>

<https://www.forbes.com/sites/feliciajackson/2024/04/05/getting-the-food-system-ready-for-climate-shocks/?sh=72947b6233f7>

<https://www.reuters.com/sustainability/climate-energy/comment-banks-do-stress-testing-we-need-do-it-global-food-system-too-2024-04-18/>

<https://www.newfoodmagazine.com/article/229674/stress-testing-europes-food-system/>

Continued in 2024

IW:LEARN 5

Logo  Project Duration 2022–2026 Funding Global Environment Facility (GEF) Website https://iwlearn.net/iw-projects/10374 Contact Person Paolo Campo (paolo.campo@systemssolutions.org).	Project Overview Title & Duration • GEF IW:LEARN Phase 5: Supporting Portfolio Coordination Within and Beyond the International Waters Focal Area, particularly in Small Island Developing States, Through Knowledge Sharing, Information Management, Partnership Building and Programmatic Guidance Services (2022-2026) Funding & Budget • Global Environment Facility (GEF) • Budget (if required by grant agreement). Objective & Scope • Over the last twenty years, IW:LEARN has grown from an informal network of a few projects and agency staff focused on IW projects to a community of individuals from a few hundred public and private sector organizations, including local, national, and international government and non-government organizations. The new IW:LEARN phase will focus on proven approaches but also on a suite of new and innovative activities to facilitate the GEF IW Focal Area to implement the GEF7 and GEF8 International Waters Strategy (and prepare for the 9th GEF Replenishment). It will be additionally extended to cater for the needs of SIDS, in particular, the priorities adopted by GEF: The Blue Economy, Integrated Resource Management from Ridge-to-Reef, Protected Areas, and Climate Resilience. The new IW:LEARN project will continue supporting the core mandate of the GEF International Waters Focal Area to support transboundary cooperation in shared marine and freshwater ecosystems and assist the project portfolio in achieving long-term
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Partners Global Environment Facility (GEF), United Nations Development Programme (UNDP), United Nations Environment Programme (UNEP), United Nations Educational, Scientific and Cultural Organization - Intergovernmental Oceanographic Commission (UNESCO-IOC), International Institute for Applied Systems Analysis (IIASA) Countries Argentina, Brazil, Paraguay, and Uruguay	benefits. The project's proposed activities will help the portfolio to implement regionally endorsed SAP priorities, mainstream gender considerations, and stimulate private sector investment. • Geographic focus and thematic areas: Transboundary Water Management CRS Role and Contribution - Development and deployment of the Nexus simulation game/ Collaborative Systems Mapping of Sustainable Pathways (CoSMoS) tool in the context of 2 round-table discussions - Deployment of the ocean governance simulation game/CoSMoS tool in the context of the GEF IW:LEARN regional ocean governance dialogue
CRS Results • CRS Supported the Guarani Aquifer System (GAS) Nexus Roundtable in 19-20 September, 2024, together with IIASA and UNESCO. In this Nexus roundtable, the Collaborative Systems Mapping of Sustainable Pathways (CoSMoS) tool was used to systematically map the different risks and current threats on the GAS in light of climate change and the present socio-economic conditions of the countries. The tool and process were co-designed together with all the partners to meet the objectives of the roundtable, as well as the needs of the participants. • CRS developed and ran <i>El Cosmos</i> social simulation for the IWC10 conference, with the support of IIASA, to engage participants of different backgrounds and interests and share available knowledge on good practices and barriers to support the implementation of a WEF nexus approach. We also used <i>El CoSMoS</i> to demonstrate the critical role of water diplomacy in implementing the nexus approach within the International Waters agenda.	



Dates

2023 -

Funding

Horizon Europe

Website

climate-adapt.eea.europa.eu/en/mission/the-mission/about-mip4adapt

Contact person

Anna Dubel
(anna.dubel@crs.org.pl)

Partners

[Ricardo](#), The United Kingdom
[Fresh Thoughts Consulting](#), Austria
[I-Catalist](#), Spain
[European Federation of Agencies and regions for Energy and Environment \(FEDARENE\)](#), Belgium
[JOANNEUM Research](#), Austria
AC Teon,
[Ambiente Italia](#), Italy
[Bee Partner](#), Czechia
[Bita Green](#), Belgium
[Climate Matters](#), Ireland
Denkstatt,
[Draxis](#), Greece
Elle,

Project Overview

The Mission Implementation Platform (MIP4Adapt) supports European regional and local authorities in preparing and planning for climate resilience pathways. For Charter Signatories, MIP4Adapt facilitates information sharing within the community of practice and assists to enable regions and local authorities:

- use their existing climate change vulnerability and risk assessments to develop or update climate change adaptation plans,
- implement climate change adaptation solutions and monitor the progress of adaptation plans,
- identify appropriate climate change adaptation demonstration projects and identify and access financial support for their implementation,
- stimulate the involvement and mobilization of citizens and stakeholders in participatory approaches to climate change adaptation, involving them in decision-making processes.

The Center for Systems Solutions is actively supporting the implementation of the EU Mission Implementation Platform Climate Change Adaptation (MIP4Adapt) as a Member State Moderator.

MIP4Adapt is funded by the EU Horizon Europe Programme.

News

Platforma Realizacji Misji (MIP4Adapt) wspiera europejskie władze regionalne i lokalne w przygotowaniu i planowaniu ścieżek odporności na zmiany klimatu. Dla Sygnatariuszy Karty MIP4Adapt ułatwia wymianę informacji w ramach społeczności praktyków oraz zapewnia pomoc, aby umożliwić regionom i władzom lokalnym:

- wykorzystanie istniejących ocen podatności na zmiany klimatu i ryzyka w celu opracowania planów adaptacji do zmian klimatu lub ich aktualizacji,
- wdrażanie rozwiązań w zakresie adaptacji do zmian klimatu oraz monitorowanie postępów realizacji planów adaptacji,
- identyfikację odpowiednich projektów demonstracyjnych w zakresie adaptacji do zmian klimatu oraz identyfikację i dostęp do wsparcia finansowego na ich realizację,
- stymulowanie zaangażowania i mobilizacji obywateli i zainteresowanych stron w zakresie partycypacyjnego podejścia do adaptacji do zmiany klimatu, włączającego interesariuszy i mieszkańców w podejmowanie istotnych dla nich decyzji.

Centrum Rozwiązań Systemowych aktywnie wspiera wdrażanie platformy realizacji Misji UE Adaptacja do Zmian Klimatu (MIP4Adapt) jako Moderator Państwa Członkowskiego.

Lasting Values, Portugal Striti Sustainable Development Consulting, Slovenia Tyrsky, Finland Countries Austria, Belgium, Czechia, Greece, Italy, Poland, Portugal, Slovenia, Spain, The United Kingdom	
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PLUS Change: Planning Land Use Strategies: Meeting biodiversity, climate and social objectives in a changing world

 Dates 2023-2027 Funding Horizon Europe Website https://pluschange.eu/ Contact person Paolo Campo paolo.campo@systemssolutions.org Partners Global Change Research Institute CAS (CzechGlobe) International Society of City and Regional Planners (ISOCARP)	Project Overview PLUS Change is an EU-funded Horizon project that aims to create strategies and decision-making processes for land use, addressing issues related climate change, biodiversity, and human well-being. By bringing together a diverse range of stakeholders and incorporating case studies from across Europe, the project focuses on understanding the relationships between urban, regional, and peri-urban areas. The overarching goal is to generate knowledge and drive transformative change towards a sustainable world. The Centre for Systems Solutions is one of 23 consortium partners, involving transdisciplinary expertise from the sciences, social sciences, humanities, and arts. Our 12 Practice Cases are real-world examples of land use decision making and action within a geographic area, and include Amsterdam, NL; Nitra City, SK; Flanders, BE; Kaigu Wetland, LV; Park Ela, CH; Province of Lucca, IT; Green Karst, SI; Three Countries Park, DE, BE, & NL; South Moravia, CZ; Surrey, UK; Ile de France, FR; Mazovian Region, PL. Throughout the project, we adopt a transdisciplinary perspective to understanding how values, knowledge, governance, powers, and roles of different actors interact to influence land use decisions. We strive to recognise the diverse needs and values associated with land use, considering the consequences of effective interventions and good governance. Our approach to land use planning takes a long-term, dynamic perspective, considering social and physical changes over time, trade-offs, synergies, and expected/desired climate and biodiversity trends. The transfer and exchange of experiences and knowledge between different
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Konrad Lorenz Institute for Evolution and Cognition Research (KLI) International Creative Projects B.V. (Biobased Creations) Stichting VU Plan4all Hub Peri-Urban Platform Europe (PURPLE) Baltic Studies Centre (BSC) University of Ljubljana KnowlEdge Srl (KE Srl) Stockholm University Constantine the Philosopher University in Nitra (UKF) Leuphana University Lüneburg Provincia di Lucca RRA Zeleni kras Euregio Maas-Rhein Mazovia Region Vlaamse Landmaatschappij (VLM) South Moravian Agency for Public Innovation (JINAG) Île-de-France Region Countries Austria, Belgium, Czechia, France, Germany, Italy, Latvia, the Netherlands, Poland, Slovakia, Slovenia, Sweden	practice cases and land use domains play a crucial role in achieving the goal of inducing positive change. By learning from different perspectives and experiences, the project strives to create a more sustainable and climate-friendly approach to land use, benefiting both the environment and the communities. Specifically, our organization will design and develop social simulations that support the co-construction of transformation pathways for sustainable land-use strategies under Work Package 4, which the Centre for Systems Solutions also leads. We invite you to follow the information (news) about the project! <i>Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.</i> <i>This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101081464.</i>
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Net Zero Cities

 The logo for Net Zero Cities features the words "NET ZERO CITIES" in a bold, sans-serif font. The word "ZERO" is stylized with a circular graphic element. Below the main text, there is a dark blue rectangular box containing the white text "EU MISSION PLATFORM" and "CLIMATE NEUTRAL AND SMART CITIES".	Project Overview NetZeroCities plays a key role in the EU's Mission of "100 Climate-Neutral and Smart Cities by 2030". It is a driving force behind cities' efforts to develop carbon-neutral strategies, improve their capacity for systemic change through innovation, provide a platform for key services and expertise, and accelerate the transition to carbon neutrality. In addition, NetZeroCities aims to support cities in overcoming structural, institutional and cultural barriers to the adoption of low-carbon lifestyles. The Centre for Systems Solutions is one of 34 valued partners participating in the NetZeroCities initiative. CRS is committed to supporting cities on their transformation journey. Our primary focus is to conduct online and in-person policy simulations where participants are immersed in developing future
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Project Duration 2021- Funding Horizon 2020 Research and Innovation Programme Website https://netzerocities.eu Contact person Sophia Ruiz Vasquez sophiaruizvasquez@systemssolutions.org Partners Climate Alliance The Democratic Society Dark Matter labs EIT Urban Mobility Energy Cities ERRIN – European Regions Research and Innovation Network Eurocities ICLEI Open & Agile Smart Cities REGEA Resilient Cities Network Union Internationale des Transports Publics Viable Cities Cartif Cerema Demos Research Institute Fraunhofer Institute Tecnalia TNO VTT Technical Research Centre of Finland Austrian Institute of Technology Frankfurt School of Finance and Management Politecnico di Milano TalTech – Tallin University of Technology Universidad Politécnica de Madrid	policies that mitigate risk, build resilience, and achieve essential climate-neutral goals in their cities. Participants take on different roles and integrate different values and perspectives as they negotiate relevant urban issues. Stay updated on our project's latest news and developments—join us on this transformative journey! <i>This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036519 and Horizon Europe grant agreement No 1011221530</i> <i>The European Commission is not responsible for any use that may be made of the information it contains.</i>
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Institute for European Environmental Policy Bankers Without Boundaries LGI Material Economics Metabolic Institute Rupprecht Consult South Pole Countries Austria, Belgium, Croatia, Estonia, Finland, France, Germany, Italy, Sweden, Spain, the Netherlands, United Kingdom	
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MEFadapt: Identifying, understanding and adapting to transboundary climate risks in the global minerals–energy–food complex

Project Duration 2022-2025 Funding FORMAS Contact person Piotr Magnuszewski piotr.magnuszewski@systemssolutions.org Partners Stockholm Environment Institute (SEI) Stockholms Universitet Countries Sweden, Poland	Project Overview MEFadapt aims to improve our understanding of transboundary climate risks (TCRs) and of how best to reduce, manage and govern them in just, legitimate and effective ways. MEFadapt is funded from the “ Climate adaptation across borders - cross-border challenges and measures ” by FORMAS . MEFadapt focuses on one type of TCR: the disruption of global supply chains of minerals, energy and food, the associated second-order climate risks, and the effect of these disruptions on climate adaptation policies. It builds on an unparalleled existing database on trade and global supply chains, including analyses of millions of per shipment declarations, billions of maritime transport records and global subnational agricultural and mineral production. The project takes an innovative data-driven and stakeholder-based mixed-method approach, including quantitative modeling, network and policy analyses, case studies and scenario frameworks. The Centre for Systems Solutions is responsible for designing and executing stakeholder workshops intending to develop multilevel policy and governance pathways for reducing risks and exposure. The activities will make use of the data processed by the project activities, and build on previously developed governance concepts and scenarios.
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PARATUS: Promoting disaster preparedness and resilience by co-developing stakeholder support tools for managing the systemic risk of compounding disasters



Project Duration
2022-2026

Funding
Horizon Europe

Website
paratus-project.eu

Contact person
Michalina Kułakowska
michalina.kulakowska@systemssolutions.org

Partners
[University of Twente \(UT\)](#)
[University of Vienna \(UNIVIE\)](#)
[DeepBlue \(DBL\)](#)
[German Aerospace Centre \(DLR\)](#)
[Technical University of Catalunya \(UPC\)](#)
[EURAC Research Centre \(EURAC\)](#)
[The Netherlands Red Cross \(NRC\)](#)
[International Institute for Applied Systems Analysis \(IIASA\)](#)
[FI Group \(FI\)](#)
[Royal Netherlands Meteorological Institute \(KNMI\)](#)
[Red Cross Red Crescent Climate Centre \(RCCC\)](#)
[Istanbul Technical University \(ITU\)](#)
[University of Bucharest \(UB\)](#)
[ASFiNAG Alpenstraßen GmbH \(ASFiNAG\)](#)

Project Overview

The Centre for Systems Solutions is among 19 partners included in the project granted a total budget of 5 Million Euro. The project, coordinated by University of Twente, won the call HORIZON “CL3-2021-DRS-01-03: Enhanced assessment of disaster risks, adaptive capabilities and scenario building based on available historical data and projections”.

The PARATUS project aims to develop an open-source platform for dynamic risk assessment that allows the analysis and evaluation of multi-hazard impact chains, risk reduction measures, and disaster response scenarios in the light of systemic vulnerabilities and uncertainties.

PARATUS will first conduct forensic analysis on historical disaster events, augment historical disaster databases with hazard interactions and sectoral impacts, and exploit remote sensing data with artificial intelligence methods. Building on these insights, PARATUS will then develop new exposure and vulnerability analysis methods that enable systemic risk assessment across sectors (e.g. humanitarian, transportation, communication) and geographic settings (e.g. islands, mountains, megacities). These methods will be used to analyse risk changes across space and time and to develop new scenarios and risk mitigation options together with stakeholders, using innovative serious games and social simulations.

The results will provide stakeholders with a range of tools for risk reduction planning in dynamic multi-hazard environments.

CRS has been chosen for the design and development of social simulations within the project. We invite you to follow the information about the project!

This project has received funding from European Union’s Horizon 2020 Research and Innovation Programme under Grant Agreement N° 101073954.

Istanbul Metropolitan Municipality (IMM) Asian Institute of Technology (AIT) Department of Emergency Situations, Ministry of Internal Affairs (DSU) The Resilience Advisors Network (RAN) Countries Belgium France Netherlands United Kingdom	
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IKI JET Interregional Component Capacities, Policy Dialogue and Knowledge Hub
on Just Energy Transition

Project Duration 2022-2026 Funding Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Website https://foodalert.socialsimulations.org/ Contact person Michalina Kułakowska michalina.kulakowska@systemssolutions.org Partners Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH Climate Action Network International (CAN International) International Institute for Sustainable Development (IISD) International Labour Organisation	Project Overview This project is embedded in the joint <u>IKI project “Innovation Regions for a Just Energy Transition”</u> under the "Interregional Platform Component". The project aims to support countries in developing plans for a just transition from coal to renewable energy and other sustainable economic activities, with a focus on the regional level. In the target regions, social dialogue and innovation processes are central to triggering a regional dynamic towards sustainable development, encompassing energy, structural and labor policies. It works with governments, industry, employers, trade unions, communities, civil society and academia to develop pathways to low-carbon, resilient energy systems, sustainable local economies and decent jobs at the local level, in line with the Paris Agreement and the International Labor Organization's Just Transition Guidelines. It also supports interregional peer-to-peer exchange, learning and policy dialog within an international network of coal regions in Latin America, Africa and Asia, facilitated by information sharing through a knowledge hub. Together with the Wuppertal Institute, CRS will support learning and dialog processes by tailoring knowledge to the needs of regional actors. It will develop and implement accessible and innovative learning formats, such as social simulation games that promote engagement and understanding. The project is co-financed by the International Climate Initiative of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and the European Union. All project results are available at the IKI JET
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(ILO) International Trade Union Confederation (ITUC) – Just Transition Centre Wuppertal Institute for Climate, Environment and Energy Countries Germany, Poland, Colombia, Vietnam, Thailand, Chile, Mongolia and South Africa	Knowledge Hub.
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Started in 2024

MultiFutures: Multidimensional Transition Pathway Analysis for Sustainable Futures: Exploring Alternative Paradigms and Broadening Policy Options through Innovative Scenario Development

 Project Duration 2024-2026 Funding HORIZON-RIA - HORIZON Research and Innovation Actions Contact person Paolo Campo paolo.campo@systemssolutions.org Partners Energy Institute at the JKU (EI-JKU)	Project Overview The Centre for Systems Solutions is among 11 partners engaged in the MultiFutures Project that lasts for the next 3,5 years and with a total budget of 5 Million Euros. The Project, coordinated by the Energy Institute at the Johannes Kepler University Linz, won the call “HORIZON-CL5-2023-D1-01-06: Broadening the range of policy options in transition pathway analysis”. MultiFutures explores and assesses the viability for Europe of various economic paradigms beyond growth, such as Degrowth, Doughnut Economics, and Sufficiency Economics. By analyzing these paradigms' assumptions about human behaviour, it seeks to identify new policy goals and mechanisms to achieve a post-growth future. This requires innovative measures to bridge theory and practice, evaluating their impact on different dimensions such as social, economic, environmental, and political aspects. Ultimately, it aims to understand the feasibility and acceptance of transitioning to alternative futures for building a climate-neutral, just, and resilient society.
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Austria Centre for European Policy Studies (CEPS) Belgium Centre for Systems Solutions (CRS) Poland E3-Modelling AE (E3M) Greece International Institute for Applied System Analysis (IIASA) Austria Izmir University of Economics (IUE) Turkey Globaz, S.A. (LOBA) Portugal Norwegian University of Science and Technology (NTNU) Norway Netherlands Organisation for Applied Scientific Research (TNO) The Netherlands Environmental Change Institute, University of Oxford United Kingdom VTT Technical Research Center Finland Ltd. (VTT) Finland Countries Austria, Belgium, Poland, Greece, Turkey, Portugal, Norway, The Netherlands, United Kingdom, Finland	In this project, CRS will design, develop and apply an Anticipatory Systems Mapping method, as well as a social simulation, to engage a broad range of stakeholders – from EU decision-makers to ordinary citizens on the ground – in co-development and co-learning processes. The CRS team is looking forward to facing the challenges and opportunities this initiative brings!
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NEEST: Developing a model for cooperation and competency building in the field of climate transformation process within the NEEST project

 Project Duration 2024-2025 Funding Municipality of Wrocław	Project Overview The pilot project NEEST - <i>NetZero Emission and Environmentally Sustainable Territories</i> is being implemented as part of the EU Mission The 100 Climate-Neutral and Smart Cities by 2030 by the Polish cities: Kraków (the project leader), Łódź, Rzeszów, Warszawa, Wrocław and the Polish National Centre for Research and Development. The project aims to develop practical and scalable solutions in the area of building energy efficiency. The task of the NEEST project is to create ready-to-replicate guidelines for the thermal modernization of various types of urban areas. The planned deep thermal modernization of residential, commercial, public, and single-family buildings aims to reduce emissions from these buildings to almost zero. The project's final outcome will be the development of universal operating models aimed at accelerating the energy transition and achieving climate neutrality in cities. Different
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Contact person Weronika Majda weronika.majda@systemssolutions.org Partners Think Tank Miasto Country Poland Cities Wrocław, Warszawa, Kraków, Łódź, Rzeszów	types of models (e.g. technical, financing, social participation ones, etc.) will show how to carry out a complex modernization of buildings and urban districts acceptable to the local community. These models will also provide guidelines on how they can be used by other Polish and European cities. Centre for Systems Solutions, together with its consortium partner Think Tank Miasto, is carrying out a number of activities aimed at developing a model for cooperation and competency building in the field of urban climate transformation process. This task is being delivered as part of public procurement commissioned by the Municipality of Wrocław. <i>The pilot project NEEST is funded through NetZeroCities by the European Union's Horizon 2020 Research and Innovation Programme.</i> We invite you to follow the information (news) about the project. News https://crs.org.pl/2024/05/08/neest-warsztat-maj/ https://www.wroclaw.pl/zielony-wroclaw/interaktywne-warsztaty-transformacja-klimatyczna-wroclawia-a-sektor-budowlany-zapisy https://www.wroclaw.pl/zielony-wroclaw/kontynuacja-warsztatow-o-transformacji-klimatycznej-wroclawia-dla-sektora-budowlanego https://www.wroclaw.pl/zielony-wroclaw/czwarty-warsztat-z-cyklu-transformacja-klimatyczna-wroclawia-zapisy
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