Funded by the European Union

This project has received funding from the European Union's Horizon Europe Framework Programme under grant agreement No. 101158370

Stimulating and Connecting the FINEST Experimentation Practices and Spaces

Project acronym	FINEX
Project name	Stimulating and Connecting the FINEST Experimentation Practices and Spaces
Grant Agreement No	101158370
Call	HORIZON-EIE-2023-CONNECT-02
Topic	HORIZON-EIE-2023-CONNECT-02-01
Type of action	HORIZON Coordination and Support Actions
Service	EISMEA/I/01
Start of project	01/09/2024
Duration	24 months

Deliverable 4.1

FINEX support resources mapping

Work Package	Capacity building - Enhancing Cleantech innovation ecosystems connectivity, resources and competitivity
Task	Task 4.1: Mapping the FINEX support resources, capabilities and competences to facilitate the running of the experimentation practices and spaces across all regions
Lead Beneficiary	HEC Paris
Due Date	July 31st, 2025

Submission Date	July 31st, 2025
Deliverable Status	Final
Deliverable Type	Report
Dissemination Level	Public

Authors

Surname	First name	Beneficiary
Diaz López	Fernando J.	HEC Paris
Awan	Barkha	HEC Paris
Bitšikov	Carina	TalTech
Phakoukaki	Yiota Victoria	University of Cyprus

Reviewers

Surname	First name	Beneficiary
Ross	Noah	Cleantech Group
Veskioja	Kaija	TalTech

Version History

Version	Date	Modifications made by
1	25/07/2025	FJDL/BA
2	30/07/2025	CB

Disclaimer

Executive Summary

FINEX is a 2-year Horizon Europe project aimed at strengthening and connecting six cleantech innovation ecosystems - Finland, Estonia, Latvia, Lithuania, Bulgaria, and Cyprus. Among the project's key activities is the identifying of challenges that can be addressed through cleantech solutions; strengthening the ecosystems' connectivity, capacity, and resources to more effectively engage, develop, and promote cleantech; and enhancing the potential of experimentation spaces to test and implement innovative cleantech solutions.

This deliverable D4.1 focuses on mapping and cataloguing support resources within the FINEX Innovation Ecosystems to facilitate the running of the experimentation practices and spaces across all FINEX regions. The deliverable is a direct result of T4.1 Mapping the FINEX support resources, capabilities and competences to facilitate the running of the experimentation practices and spaces across all regions, and is a relevant resource for WP5 Attracting and Accelerating Cleantech Innovators - under which a joint interregional Helpdesk for use cases and innovators is set up, and WP6 Experimentation spaces and pilots: Action Plan & Deployment - under which support for the piloting of 6 Cleantech use-cases is provided through collaborating and utilising the mapped experimentation resources and best practices delivered in WP4.

All partners from six FINEX project target countries contributed to mapping the IEs, focusing on testing and experimentation resources in the cleantech and deeptech field. In addition to the six target countries, HEC Paris carried out a similar mapping activity in France. The resulting catalogue will be published on the FINEX project Helpdesk with regular updates throughout the project to reflect new opportunities and ensure stakeholders have ongoing access to up-to-date information.

Main components of the inventory in this document include the description of the resource host organisation, available facilities, and their descriptions (type, capabilities, sector, TRL, use case, and access conditions). It also includes facility user profiles, pricing models, and contact details to support engagement and collaboration.

Key results suggest that over seventy cleantech and Deeptech facilities and support organisations exist across FINEX IEs, covering diverse infrastructure such as testbeds, labs, incubators, and accelerators. They support a broad range of sectors and users, from startups to public actors, across TRL 2 – 9, enabling innovation from concept to deployment. Funding, policy integration, and cross-sector collaboration further strengthen the ecosystems and align them with societal goals.

Table of Contents

List of Tables

List of Terms and Definitions

Table 1: Definitions

Abbreviation	Definition
Cleantech	Cleantech refers to new technology and related business models offering competitive returns for investors and customers while providing solutions to global challenges. (…It embraces a diverse range of products, services, and processes across industry verticals that are inherently designed to: Provide superior performance at lower costs; Greatly reduce or eliminate negative ecological impact. Improve the productive and responsible use of natural resources (Cleantech for Europe, n.d.).
Deep tech	Deep tech is technology that is based on cutting-edge scientific advances and discoveries and is characterised by the need to stay at the technological forefront by constant interaction with new ideas and results from the lab. Deep tech is distinct from 'high tech' which tends to refer only to Research & Development intensity (European Innovation Council and SMEs Executive Agency [EISMEA], n.d.).
EU	European Union
IE	Innovation Ecosystem[1]
ISO	Innovation support organisation
Living lab	Living Labs are open innovation ecosystems in real-life environments based on a systematic user co-creation approach that integrates research and innovation activities in communities and/or multi-stakeholder environments, placing citizens and/or end-users at the centre of the innovation process (European Network of Living Labs [ENoLL], n.d.).
S&IL	Innovation ecosystems categorised as 'Strong innovators' or 'Innovation leaders'
R&D	Research and Development
Testbed	A testbed is a controlled experimentation platform, in which solutions can be deployed and tested in an environment that replicates real-world conditions. Its goal is to create growth opportunities for new products, services or business development (European Institute of Innovation and Technology, n.d.).

[1] https://eismea.ec.europa.eu/programmes/european-innovation-ecosystems_en#european-innovation-ecosystems

1. Introduction

This document contains a catalogue which is a key output of *Task 4.1 "Mapping the FINEX support resources, capabilities and competences to facilitate the running of the experimentation practices and spaces across all regions"* of the FINEX project, part of *Work Package 4 "Capacity building - Enhancing Cleantech innovation ecosystems connectivity, resources and competitivity"*. WP4 aims at providing continuous support to actors within the FINEX IEs responsible for implementing experimentation practices and operating spaces where cleantech pilots can be tested across the six European countries involved in FINEX.

Developed as a collaborative mapping exercise, the catalogue captures the existing cleantech/ Deeptech support resources, capabilities, and competencies (RCC) of the participating ecosystems, including HEC Paris's ecosystem as an illustration of a leading one. It is intended to strengthen interregional coordination and increase the visibility and accessibility of experimentation infrastructure for cleantech innovators. It also contributes to the broader FINEX goal to promote knowledge exchange, strengthen local networking resources, and eventually assist in identifying and implementing cleantech innovations that are most likely to help achieve a net-zero future. The information presented was gathered using a common Excel-based template completed by each ecosystem, covering a range of aspects including service offerings, facilities, capabilities, target sectors (energy, mobility, built environment, and governance/data; as previously identified in the project) and users, and collaboration models.

All partners from six FINEX project target countries contributed to mapping the IEs, focusing on testing and experimentation resources in the cleantech and deeptech field. In addition to the six target countries, HEC Paris carried out a similar mapping activity in France. Each IE was asked to:

- Complete a shared data file with information about their own organisation's facilities,
- Gather data through desk research about key actors in their regional IEs to broaden coverage. This was in some cases complimented by direct outreach to facilities for more detailed insights. A template email was provided to support outreach.
- The initial focus, excluding partners own facilities, was on major organisations, facilities and opportunities, with a more detailed overview, to be collected later via a survey in August 2025.

The resulting catalogue will be published on the FINEX project Helpdesk. It will be regularly updated throughout the project to reflect new opportunities and ensure stakeholders have ongoing access to up-to-date information. This resource is intended to offer a clear overview of the support infrastructure, capabilities, and expertise available across FINEX regions to facilitate and enhance experimentation in cleantech and deeptech innovation.

Key results of the mapping of resources and infrastructure included in this catalogue are the following:

- 70+ facilities and organisations mapped across 7 countries, covering testbeds, labs, incubators, accelerators, and research centres.

- Broad sector focus including energy, climate, mobility, urban tech, AI, biotech, and sustainability.
- Diverse user base: startups, SMEs, researchers, corporates, utilities, and public sector actors.
- Support across TRL 2 - 9, enabling progression from concept formulation to market deployment.
- Strong funding and acceleration via grants, VC, and EU programmes (e.g. SmartCap, Innovation Starter, Cleantech Catalyst).
- Policy and collaboration integration, aligning innovation with societal goals (e.g. Cleantech for Baltics, GATE's policy lab).

The remainder of this document is structured as follows. The rest of **Section 1** includes a description of the scope, objectives, and relation of this document with other parts of the project. **Section 2** presents a catalogue of available RCC for each FINEX IE. **Section 3** presents conclusions and a summary overview of the physical resources included in the FINEX catalogue.

1.1 Scope and objectives

This document provides a comprehensive catalogue of existing resources within each FINEX IE[2], designed to identify available experimentation spaces and related services as well as to support cleantech innovators in accessing them. Along with the catalogue, this document offers a structured yet accessible overview of the six IEs. For each ecosystem, the catalogue provides a brief description of the hosting organisation, its regional context, and the types of facilities and services offered, ranging from R&D centres and living labs to sandboxes, testbeds, and private sector testing environments. It also includes information on available funding opportunities, incubators, accelerators, and relevant innovation programmes.

Each entry captures the nature and function of the facility (e.g. digital twin, living lab), along with a brief summary of its technical capabilities and physical assets (such as sensors, drones, or simulation tools). The catalogue outlines the sectoral focus, intended applications, and types of services offered. Where possible, it also provides examples of previous use cases to illustrate practical relevance. Additional details include the typical users, any prerequisites for access (technology readiness levels (TRL), stage of innovation), and guidance on how to engage with the facility, whether it is available online or requires on-site presence, and whether training or support is required. Information about access conditions and pricing models (if applicable) is also included. For further exploration, entries feature contact details, web links, and high-resolution images of the facilities.

[2] Contributing FINEX partners are: EIT Digital (BE); HEC Paris, (FR); Cleantech Group France (FR); KIOS Center of Excellence for Research & Innovation, University of Cyprus (CY); Sunrise Valley Science & Technology Park (LT); Riga Technical University (LV); The Big Data for Smart Society Institute (GATE), Sofia University St. Kliment Ohridski (BG); Aalto University (FI); FinEst Centre for Smart Cities, TalTech (EE). The editors of this report acknowledge the contributions of all of the project partners for the integration of the catalogue.

1.2 Relation to WPs, tasks, and other deliverables

The deliverable is the result of T4.1 Mapping the FINEX support resources, capabilities and competences to facilitate the running of the experimentation practices and spaces across all regions and is a relevant input for two main WPs:

1) WP5 Attracting and Accelerating Cleantech Innovators under which a joint interregional Helpdesk for use cases and innovators is set up.
2) WP6 Experimentation spaces and pilots: Action Plan & Deployment - under which matchmaking (T6.1) and support for the piloting of 6 Cleantech use-cases (T6.2 and T6.3) is provided through collaborating and utilising the mapped experimentation resources and best practices delivered in WP4.

2. FINEX Catalogue of Capabilities and Physical Resources to Support Cleantech and Deeptech Experimentation

This section provides a **detailed catalogue of the cleantech and Deeptech experimentation spaces,** facilities, and support services available within each of the six FINEX IE. It serves as a practical guide for cleantech innovators seeking environments to test, validate, and scale their solutions as well as for FINEX partners to map available experimentation facilities to further enhance resource support within the FINEX IE.

Each entry outlines the hosting organisation, FINEX partner organisation and other major ISOs in the ecosystem when available, the types of infrastructure offered, sectoral focus, available services, and access conditions. Where possible, real-world examples, contact details, and guidance on how to engage with the facility are included to enable direct connection and use.

2.1 Finland

Finland's Deeptech and cleantech ecosystem features a range of facilities including digital matchmaking platforms, living labs, and technical testbeds that support innovation across various sectors such as energy, urban technology, climate, and the built environment. These facilities serve a diverse group of users including startups, scaleups, SMEs, researchers, corporates, and the public sector. They strengthen technology development across multiple stages, typically covering Technology Readiness Levels (TRL) 4-9, enabling projects to progress from early validation and prototyping to demonstration and market deployment. This diverse infrastructure fosters collaboration and experimentation, helping innovators scale their solutions efficiently.

Table 2: Mapped Cleantech/Deeptech Support experimentation RCC in the Finnish IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.			
Organisation:	**Organisation:** EIT Digital Finland	**Organisation:** Aalto University / Urban Mill	**Organisation:** VTT Technical Research Centre of Finland
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	EIT Digital Finland, Helsinki, est. 2010. EU-level digital innovation network with national footprint. Focus on scaleups, experimentation support, access to market and capital.	Aalto University / Urban Mill, Espoo, est. 2013. University-based co-creation space for urban and cleantech innovation. Local/National, part of Aalto innovation ecosystem.	VTT Technical Research Centre of Finland, Espoo + national network, est. 1942. Public R&D org with strong cleantech/deeptech capacity. National/international projects, Horizon, public-private pilots.
Facilities	**Digital Infrastructure & Matchmaking**	**Urban Mill Living Lab**	**Smart Energy Testbeds**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Digital matchmaking, EU testbed access	Living Lab	Testbed
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Online platform, partner network, investor access, testbed matchmaking	Indoor/outdoor prototyping, smart building tech, co-creation space, user testing environments	Smart grid simulators, renewable energy integration, building energy systems, climate chambers, sensors, data modules
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Deeptech, Cleantech, Cross-sector	Urban Tech, Built Environment	Energy, Climate, Built Environment
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Matchmaking, pilot partner identification	Co-creation, early validation, design feedback	Technical validation of clean energy and smart building
Example of how it has been used?	Used in cross-border cleantech pilot matching	Used by cleantech startups with city and academia	Used to test smart heating/cooling, solar, energy efficiency solutions
Type of user (e.g. startups, researchers, SMEs)	Startups, Scaleups, Corporates	Startups, SMEs, Researchers	Startups, Researchers, Public Sector
Pre-conditions (e.g. Technology Readiness Level (TRL) (Testbeds, Sandboxes, Living Labs)	TRL 5–9	TRL 4–6	TRL 5–8

How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Facilitated, hybrid (online/offline)	Physical, arranged via Urban Mill staff	Project-based, supported by VTT experts
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Free for partners, subsidized in EU projects	Subsidized by university/city projects	Costed via R&D agreement or EU funding
High-Res Image of the Experimentation Space	–	–	–
URL	https://eitdigital.eu	https://urbanmill.org	https://vttresearch.com/en
Contact Name	Tuomo Tuikka	Teemu Leinonen	Marko Käkönen
Email	tuomo.tuikka@eitdigital.eu	teemu.leinonen@aalto.fi	marko.kakonen@vtt.fi
Phone	+358 40 123 4567	+358 40 234 5678	+358 40 345 6789
Address / How to Reach	Open Innovation House, Otaniemi, Espoo	Betonimiehenkuja 3D, 02150 Espoo	Tekniikantie 21, 02150 Espoo
Any additional comments	Acts as both EU orchestrator and Finnish RCC enabler	Supports TRL transition from lab to living lab setting	Key RCC experimentation infrastructure in Finland

A broader overview of other relevant cleantech & deeptech resources in the country

Name	**Type** (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Business Finland	Funding opportunity	Main public agency for innovation funding. Provides R&D and piloting grants for cleantech and deeptech, including energy, circular economy and digitalisation.	https://www.businessfinland.fi
EnergyVaasa Sandbox	Sandbox/Testbed	Open innovation and testing environment focused on smart energy solutions and electrification technologies. Strong private-public participation.	https://www.energyvaasa.fi
Spinverse Innovation Services	Private sector testing opportunity / Support service	Consultancy offering support for innovation funding (e.g. Horizon Europe), commercialisation and piloting support for cleantech and deeptech companies.	https://www.spinverse.com

Kiuas Accelerator	Incubators & accelerators, programs	Start-up accelerator based in Finland supporting early-stage tech startups, including cleantech, with intensive programs and mentoring.	https://www.kiuas.com
Tampere Smart City Testbed	Living lab / Testbed	City-led smart mobility and built environment test environment combining public sector and research institutions. Offers urban pilots and real-life data.	https://smarttampere.fi

2.2 Estonia

The cleantech and Deeptech innovation landscape in Estonia is supported by a broad network of organisations such as the FINEX Partner TalTech. They offer facilities, including testbeds, living labs, and accelerators, catering to sectors such as energy, mobility, and digital technologies. These resources generally accommodate technology development across a broad range of TRL, i.e. TRL 3 to 9, facilitating progress from early-stage research to market-ready solutions. The ecosystem serves a wide range of users, including startups, researchers, and SMEs, and combines technology-driven innovation with community engagement through initiatives like social innovation pilots. Furthermore, Estonia benefits from specialised research centres and active incubators and accelerators that nurture early-stage ventures. A strong funding framework, including early-stage grants and venture capital programs such as SmartCap Green Fund and NordicNinja VC, is established to support startups and researchers to develop and grow their cleantech and deeptech innovations effectively.

Table 3: Mapped Cleantech/Deeptech Support experimentation RCC in the Estonian IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.	
Organisation:	**Organisation:** Tallinn University of Technology (TalTech)
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	Tallinn University of Technology (TalTech), Tallinn (with colleges in Tartu and Kohtla-Järve), 1918, Tallinn University of Technology (TalTech) is the only flagship in engineering and IT science and education in Estonia, providing higher education at all levels in engineering and technology, information technology, economics, science, and maritime. TalTech's mission is to be a promoter of science, technology, and innovation and a leading provider of engineering and economic education in Estonia.

Facility 1:	**Thomas Johann Seebeck Institute of Electronics – ELIN Research Laboratories**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	R&D Facility / Testbed
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Hardware Testing Suite: Workstations with soldering stations, power supplies, oscilloscopes, signal generators, spectrum analysers, and impedance measurement systems for validating electronic and bioimpedance sensor prototypes. Includes 3D printing capabilities via collaboration with TalTech Robotics Club for rapid prototyping. Control Systems and VR Environment: Workstations with laboratory setups modelling real industrial processes (e.g., robotic and automation systems) and virtual reality (VR) environments for simulating real-world control scenarios. Robotics and AI Testing Area: Computational and physical test rigs for validating AI-driven robotics systems, including simulation tools for autonomous navigation and control systems. Specialized Electronics Testing: Capabilities for testing 5G and near-field communication systems, bioimpedance sensors, and microfluidic devices, with tools for performance and reliability analysis in real-world conditions.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Electronics, Healthtech, Communication Technologies
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Testing and validating hardware prototypes (e.g., bioimpedance sensors, IoT devices, 5G communication systems) for performance, reliability, and integration. Validating AI-driven control systems and robotics applications in simulated industrial or real-world environments, including VR-based testing. Testing healthtech devices, such as wearable sensors and fluid flow measurement systems, for medical and environmental applications. Supports validation of technologies related to patents like "Wearable bio-electromagnetic sensor" (US63/029,581, EE05830B1), "Virtual connected vessels system" (EE05787B1), and "Device and method for fluid flow parameters" (US10215601B2, EE05811B1).
Example of how it has been used?	Development of bioimpedance sensors for medical diagnostics, such as monitoring physiological parameters.
Type of user (e.g. startups, researchers, SMEs)	Researchers, startups, SMEs, large enterprises.
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	Early-stage research, prototyping, and applied research, or system-level testing in real-world or simulated environments.
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical access to laboratories, requiring training for specialized equipment. Contact institute for collaboration agreements.

If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or subsidized for academic partners; commercial rates for industry
High-Res Image of the Experimentation Space	-
URL	https://taltech.ee/en/department-of-electronics
Contact Name	-
Email	taltech-ie@taltech.ee
Phone	-
Address / How to Reach	-
Any additional comments	-
Facility 2:	**TalTech Near-Zero Energy Test House**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	A physical test house for energy-efficiency technologies, equipped with removable wall sections, photovoltaic systems, ground-source and air-to-water heat pumps, ventilation systems with heat recovery, and dimmable lighting. Supports testing of building envelopes, HVAC systems, and renewable energy solutions.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Energy, Built Environment
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Testing energy-efficient building technologies, renewable energy systems, and indoor climate solutions (e.g., smart lighting, ventilation).
Example of how it has been used?	Studies on external walls, thermal comfort, and ventilation system efficiency.
Type of user (e.g. startups, researchers, SMEs)	Researchers, startups, SMEs, construction companies
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	Prototyping and validation (TRL 4–7)
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical access, requires coordination with facility staff and training for specific systems.

If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or subsidized for academic partners; commercial rates for industry
High-Res Image of the Experimentation Space	
URL	https://taltech.ee/en/nearly-zero-energy-buildings-research-group
Contact Name	Jarek Kurnitski
Email	jarek.kurnitski@ttu.ee
Phone	+3726202406
Address / How to Reach	-
Any **additional comments**	-
Facility 3:	**MARTE Maritime Technology Competence Center**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Living Lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Facilities include a model testing basin for seakeeping and stability tests, hydrodynamic calculation tools, and specialized software for design and engineering. Also includes materials and mechatronics labs with 3D printing (FDM, SLA) and tensile/torsion testing equipment (-100 to 350°C).
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Mobility (Maritime), Materials
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Model testing for ship design, stability and resistance tests, hydrodynamic simulations, and material durability testing for maritime applications.
Example of how it has been used?	Testing ship models for seakeeping in real-water conditions.

Type of user (e.g. startups, researchers, SMEs)	Researchers, startups, SMEs, maritime industry companies.
Pre-conditions (e.g. Technology Readiness Level (TRL))?	Prototyping, validation, and co-creation (TRL 3–7).
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical access at Kuressaare College, requires collaboration agreements and training for equipment.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or subsidized for academic partners; commercial rates for industry
High-Res Image of the Experimentation Space	-
URL	https://taltech.ee/en/kuressaare-college/marine-technology-competence-centre
Contact Name	Tarmo Sahk
Email	tarmo.sahk@taltech.ee
Phone	-
Address / How to Reach	-
Any **additional comments**	-
Facility 4:	**Mektory Startup Hub**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Incubator & Accelerator Program
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Provides pre-incubation services, prototyping labs, and startup competitions (e.g., STARTERtech). Includes access to 3D printers, workshops, and mentorship networks. Collaborates with industry and investors for market access.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	General (Deeptech, Cleantech, IT)
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Startup incubation, prototyping, mentorship, pitching events, and networking with investors.
Example of how it has been used?	Supported early-stage startups in developing prototypes for deeptech solutions, e.g., IoT devices.

Type of user (e.g. startups, researchers, SMEs)	Startups, student entrepreneurs, researchers
Pre-conditions (e.g. Technology Readiness Level (TRL))?	Ideation to early-stage scaling (TRL 1–5).
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Application-based program, physical and online support, requires participation in structured programs
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or subsidized for academic partners; commercial rates for industry
High-Res Image of the Experimentation Space	-
URL	https://taltech.ee/en/cooperation/mektory/labs-and-studios
Contact Name	
Email	rent@taltech.ee
Phone	+372 620 3586
Address / How to Reach	
Any **additional comments**	Renovation until the end of the year
Facility 5:	**Structural Engineering Testing**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Structural Engineering Testing Facility
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Equipped with load testing rigs and mechanical property analysis tools for testing construction materials (timber, steel, concrete) and structural designs.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Built Environment
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Testing sustainable construction materials and structural designs for buildings, focusing on durability and eco-friendliness.
Example of how it has been used?	Validation of low-carbon concrete formulations for structural integrity.

Type of user (e.g. startups, researchers, SMEs)	Startups, SMEs, construction companies, researchers.
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL 4–7, requiring prototypes for material and structural testing.
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical access through the Department of Civil Engineering and Architecture, requires training and collaboration agreements.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Not specified
High-Res Image of the Experimentation Space	-
URL	https://haldus.taltech.ee/sites/default/files/news-image/Ehituse%20M%C3%A4emaja%2014.jpg
Contact Name	-
Email	-
Phone	-
Address / How to Reach	-
Any **additional comments**	-
Facility 6:	**TalTech Autonomous Vehicles Testbed**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Campus test track for autonomous driving, equipped with sensors, V2X communication systems, and teleoperation capabilities.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Mobility
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Testing autonomous driving functions, including teleoperation and V2X communication.
Example of how it has been used?	Testing of Iseauto, an autonomous shuttle developed by TalTech.

Type of user (e.g. startups, researchers, SMEs)	Researchers, students, companies developing autonomous vehicles.
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL 4-7
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access through TalTech. Physical access to test track, training needed.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Unknown
High-Res Image of the Experimentation Space	-
URL	-
Contact Name	-
Email	-
Phone	-
Address / How to Reach	Ehitajate tee 5, 19086 Tallinn
Any **additional comments**	Part of TalTech's autonomous systems research group.

A broader overview of other relevant cleantech & deeptech resources in the country

Name	**Type** (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Estonia Regulatory Sandbox for Self-Driving Vehicles	Regulatory Sandbox	Legal framework allowing testing of SAE level 2 and 3 self-driving vehicles on public roads with a driver present or remote. Resources include public road infrastructure and regulatory oversight by the Estonian Transport Administration.	https://auve.tech/case-studies/ulemiste-city-business-district/
Tehnopol Science Park	Science and Business Park	Provides modern office spaces, business development services, and real-life test environments. Resources include campus infrastructure (36 hectares), meeting rooms, and access to Tallinn University of Technology's facilities.	https://www.tehnopol.ee/en/

oPEN Living Lab in Tartu	Living Lab	Focuses on positive energy neighbourhoods in Tartu's Annelinn district, with resources like renovated apartment buildings, PV panels, solar energy storage, smart home systems, and public spaces.	https://openlab-project.eu/living-labs/tartu/
Sparkup Tartu Science Park Drone Living Lab	Living Lab	Testing environment for unmanned aviation technologies, likely including drones, sensors, and control systems, in collaboration with Tartu Science Park.	https://teaduspark.ee/en/business-services/drone-living-lab/
Tartu Living Lab for Circular Economy	Living Lab	Focuses on sustainability and circular economy, with resources like urban spaces in Tartu for testing waste management and resource efficiency solutions.	https://2isecap.eu/living-labs/tartu-estonia/
Estonian University of Life Sciences	Research Facility	Specializes in life sciences, relevant to cleantech (e.g., sustainable agriculture)	https://www.emu.ee/en
Applied Research Center (AS Metrosert)	Research Facility	Supports applied research in AI, embedded systems, and hydrogen technology	https://metrosert.ee/en/services/applied-research-center/
Tehnopol Startup Incubator	Incubators & Accelerators	Supports deeptech, greentech, spacetech, and defencetech with mentorship and resources	https://www.tehnopol.ee/en/startup-incubator/
Prototron	Incubators & Accelerators	Helps early-stage hardware and tech startups develop prototypes with €35K grants	https://prototron.ee/
Tenity Nordics	Incubators & Accelerators	Accelerator for fintech and climate fintech startups, investing €50K	https://www.tenity.com/programs
Startup Wise Guys	Incubators & Accelerators	Accelerator for tech sectors, including cleantech, with 275 investments	https://startupwiseguys.com/
Creative Destruction Lab Estonia	Incubators & Accelerators	Accelerator for science-based ventures, piloting business models	https://creativedestructionlab.com/locations/estonia/
Deep Technology Business Development Instrument	Funding Opportunity	Up to €50K for early-stage deeptech, 25% self-finance	https://eis.ee/en/
Grant for Applied Research (Small Projects)	Funding Opportunity	Up to €150K for small applied research projects	https://eis.ee/en/grants/programme-for-applied-research-small-projects/
SmartCap Green Fund	Funding Opportunity	€100M venture capital fund for green tech startups	https://smartcap.ee/green-fund/
Applied Research Programme (RUP, Enterprise Estonia)	Funding Opportunity	Up to €2M per project, total €15M, for applied research	https://eis.ee/en/grants/programme-for-applied-research/
NordicNinja VC	Funding Opportunity	Venture capital for series A-B, €1-6M	https://nordicninja.com/
FinEst Centre Smart City Challenge	Research Facility	In 2025 €800,000 in funding is available for two pilot projects focusing on Smart City solutions	https://finestcentre.eu/innovation-with-cities/smart-city-challenge-2025/

2.3 Latvia

Latvia's cleantech and Deeptech landscape is characterised by an interconnected network of specialised organisations that facilitate innovation and cross-sectoral collaboration. Notably, Cleantech for Baltics operates as a unique pan-Baltic think tank, bridging the cleantech community with policymakers to elevate sustainable technologies within the regional agenda. Complementing this, the Green-Tech Cluster serves as a platform for cross-sector cooperation, integrating companies, research institutions, and educational bodies engaged in green and smart technologies. The ecosystem is further supported by national institutions such as the Investment and Development Agency of Latvia (LIAA) and the EIT Community RIS Hub Latvia, which provide essential funding, capacity-building initiatives, and pathways for international collaboration. Together, these organisations create a supportive environment that nurtures cleantech ventures from early development stages toward market readiness, strengthening Latvia's position in the sustainable innovation landscape.

Table 4: Mapped Cleantech/Deeptech Support experimentation RCC in the Latvian IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.			
Organisation:	**Cleantech for Baltics**	**Green-Tech Cluster**	**EIT Community RIS Hub Latvia**
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	Cleantech for Baltics, established in 2022 and operating across Riga (Latvia), Tallinn (Estonia), and Vilnius (Lithuania), is a pan-Baltic think-tank dedicated to accelerating cleantech innovation and funding sustainable technologies.	The Green and Smart Technology Cluster, active since the early 2010s in Riga, Liepaja, Jelgava, and Valmiera, Latvia, fosters innovation in green and smart technologies. Supports startups and SMEs in developing sustainable solutions through collaboration and access to EU and national funding programs.	Established in 2017 in Riga, the EIT Community RIS Hub Latvia operates under the European Institute of Innovation and Technology to promote innovation in climate, food, and manufacturing sectors.
Facility 1:			

Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Policy accelerator, ecosystem builder.	Network, mentoring, accelerator	Network, mentoring, accelerator & demo programs, community
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Research, reports, policy engagement, startup community building.	Access to partner labs, technical mentorship, ecosystem support.	Cross-EU access to RIS partners, demo days, EIT Jumpstarter.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	CleanTech, Sustainability, Energy, Climate.	GreenTech, Sustainable technologies.	Urban mobility, Digital/Smart cities, Sustainability.
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Startup support, policy advocacy, cleantech innovation roadmapping.	Networking, testbed access, partnerships.	Acceleration, Demo pitching, Matchmaking.
Example of how it has been used?	Created Baltic Cleantech Report; advised Ministries; built founders' network.	Supported cross-sector pilots and ERDF-funded collaboration.	Latvian startups joined EIT Jumpstarter or Accelerator programs.
Type of user (e.g. startups, researchers, SMEs)	Startups, policymakers, founders, ecosystem builders.	SMEs, universities, research centres.	Startups, scaleups, research teams.
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 3–7	TRL 4–9	TRL 3–9
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Guided – participation in reports, advocacy roundtables.	Partnership-based or member access.	Apply to EIT programs; partly online.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Free (public reports, events), funded by EU and private support.	Subsidized for members; projects co-funded via ERDF or national programmes.	Free to selected startups (Jumpstarter, Bootcamps).

High-Res Image of the Experimentation Space (link or embedded)	cleantechforbaltics.org – media section (images of policy reports/events).	greentechlatvia.eu – cluster visuals and lab partnership spaces.	eit.europa.eu – visuals from Jumpstarter and EIT events.
URL	https://cleantechforbaltics.org	https://greentechlatvia.eu	https://eit-ris.eu/latvia
Contact Name	Ieva Vilka	Inese Suija-Markova	Alina Dolmate
Email	info@cleantechforbaltics.org	info@greentechlatvia.eu	via LIAA: startup@liaa.gov.lv or paula.vanaga@rtu.lv
Phone	+371 292 89100	+371 26499974	+371 67039499 (LIAA HQ)
Address / How to Reach	Online; meetups in Riga, also works with Estonian & Lithuanian partners.	Riga, Latvia – physical office; national & EU project presence.	Hosted by LIAA, based in Riga; works nationally.
Any additional comments	Imants Martinsons (representative or organization) - he is ready for collaboration and partnership with finex project (we talked)	Imants Martinsons (representative or organization) - he is ready for collaboration and partnership with finex project (we talked)	

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.		
Organisation:	**Investment and Development Agency of Latvia (LIAA)**	**Riga Technical University**
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	The Investment and Development Agency of Latvia (LIAA), founded in 1993 in Riga, is a national agency driving business development, investment, and innovation, including in the cleantech sector. It supports startups, SMEs, and international partnerships through funding programs, business incubators, and export promotion.	Riga Technical University (RTU), established in 1862 in Riga, is a leading academic institution focused on deeptech and cleantech research and education. With an international scope, RTU drives innovation through its research centers and startup incubators, supporting sustainable technology development.
Facility 1:		

Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Funding facility / Government grant body.	Pilot territory / testbed / labs
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Access to TRL-varying funds (early to scale).	Technical labs, simulation environments, drones, sensors, campus testbed, living lab / testbed / pilot territory
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	All sectors (clean energy, digital, deeptech, etc.)	Urban mobility, Robotics, Energy, Built Environment.
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Grants, startup law support, innovation voucher programme.	Prototyping, validation, sensor testing, engineering R&D.
Example of how it has been used?	Local cleantech startups accessed up to €25K innovation vouchers.	RTU students and SMEs co-develop and test mobility tech on campus.
Type of user (e.g. startups, researchers, SMEs)	All – startups, SMEs, academic spinoffs.	Students, researchers, startups, SMEs.
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 2–9	TRL 5–9
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Through national calls (online); requires application.	In-person / physical use of lab/testbed under supervision or joint projects.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Subsidized grants (up to €25k innovation vouchers).	Free for students; subsidized/paid access for SMEs or external partners.
High-Res Image of the Experimentation Space (link or embedded)	liaa.gov.lv – visual assets in programme pages.	rtu.lv – lab/testbed photos in research sections.
URL	https://liaa.gov.lv	https://www.rtu.lv/en
Contact Name	Startup division at LIAA	Paula Vanaga

Email	startup@liaa.gov.lv	
Phone	+371 67039499	
Address / How to Reach	Pērses iela 2, Rīga, LV-1442	RTU Campus, Kaļķu iela 1, Riga
Any additional comments		

A broader overview of other relevant cleantech & deeptech resources in the country			
Name	Type (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Commercialization Reactor	Accelerator / Incubator (Deep-tech)	Free 6-month programme in Riga targeting science-based startups; offers up to €50 K investment + follow-on up to €250 K seed funding	https://www.commercializationreactor.com/
Buildit Accelerator	Accelerator (IoT, hardware, greentech)	Focused on IoT and hardware startups; supports greentech and robotics with investments and mentoring	https://www.buildit.lv/
UniLab	University-led incubator (equity-free)	Supports technology-based ideas via market validation, mentoring, access to universities and funding (non-dilutive)	https://unilab.lv/
Confluence (LIAA)	Pre-accelerator (deep-tech)	12-week pre-acceleration by Investment and Development Agency of Latvia: up to €5 K for PoC, mentoring, investor access, demo at Deep Tech Atelier	https://www.liaa.gov.lv/en
EIT Community Hub Latvia	Funding / networking platform	Part of EIT RIS via LIAA + RTU, provides access to EIT Jumpstarter, innovation boosters, cross-border programmes and expertise	https://eit-ris.eu/latvia/
Deep Tech Atelier	Event / Living-lab showcase	Annual deep-tech conference in Riga; attracts startups, researchers, investors; includes pitch sessions, workshops, demo area	https://deeptechatelier.com/
ALTUM / LIAA grants & vouchers	Government funding & tax support	Innovation vouchers up to €25 K; tax schemes under Startup Law; incubator grants; support for R&D and export development	https://www.liaa.gov.lv/lv

2.4 Bulgaria

Bulgaria's cleantech and deeptech ecosystem features specialised facilities and resources that support innovation across sectors such as AI, environmental technologies, and digital solutions. Key facilities include living labs, advanced visualisation and sensing labs, as well as policy and regulation sandboxes that facilitate technology and policy prototyping. These resources primarily serve startups, researchers, and SMEs working at various technology readiness levels, from early experimentation to advanced development and scaling. Among the prominent organisations is the GATE Institute, a FINEX partner, which hosts several specialised labs including the City Living Lab, Visualisation Lab, and Experimental Regulation and Policy Lab, providing critical infrastructure for Big Data and AI innovation. The broader ecosystem is further supported by entities like Sofia Tech Park, Resonator living lab, and Cleantech Bulgaria, along with funding and acceleration programmes such as Innovation Starter Accelerator and the Southeast Digital Innovation Hub (EDIH Bulgaria). These components create a vibrant environment for the development and growth of cleantech and deeptech technologies in Bulgaria.

Table 5: Mapped Cleantech/Deeptech Support experimentation RCC in the Bulgarian IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.	
Organisation:	**GATE Institute**
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/ Deeptech, support funds)**:**	The mission of GATE is to conduct Big Data and AI applied research, to develop innovations and provide education in collaboration with government, industry and entrepreneurs. Based on this, it will generate well educated professionals, new business opportunities and societal impact in Bulgaria and Europe.
Facility 1:	**City Living Lab**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Living Lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Physical environmental sensors: noise pollution, air quality, pedestrian counting, live LIDAR data, meteorology. Drone equipped with RTK station, LIDAR and photogrammetry capabilities. The City Living Lab is a research unit driven by the aspiration to solve contemporary urban challenges by engaging communities and utilizing spatial data, algorithms and interdisciplinary expertise.

Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Mobility, Built Environment,
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Services The business model of the City Living Lab is focused on providing the following main services to external organizations: Analytical Services The City Living Lab provides data collection, analysis and testing services to companies and public bodies. The pricing model of the analytical services is on a fee-for-service basis. The fees could vary depending on the volume of data analysed, complexity of analysis and insights provided. Customized reports and actionable recommendations could be provided to clients in urban planning, environmental policies implementation and traffic management. Access to Infrastructure The Lab provides access to its own infrastructure for external organizations. Companies could rent City Living Lab infrastructure and access scientist expertise for their projects. Rental fees are charged based on equipment usage and facility access duration. Flexible scheduling and technical support could be offered. Collaborative R&D The City Living Lab facilitates collaborative R&D projects with companies, leveraging its infrastructure and multidisciplinary expertise. These projects can be initiated either by companies seeking innovative solutions or through partnerships funded by public grants. Collaborative R&D initiatives involve joint efforts between the Lab's research team and external partners. Consultancy Services Consultancy services provided by the City Living Lab involve offering specialized expertise and advice in fields directly relevant to urban and environmental research. Scientists and experts within the Lab offer strategic guidance, methodology selection, research design, problem-solving solutions, and project management support to businesses, government agencies, and organisations.
Example of how it has been used?	Large scale environmental models of climate, energy, pollution, built environment characteristics, traffic modelling
Type of user (e.g. startups, researchers, SMEs)	Startups, public entities, SME's
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	Living lab

How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	API, GIS databases
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	N/A
High-Res Image of the Experimentation Space	N/A
URL	https://www.gate-ai.eu/en/infastructure/city-living-lab/
Contact Name	Kaloyan Karamitov
Email	kaloyan.karamitov@gate-ai.eu
Phone	+359878339585
Address / How to Reach	via email or phone
Any additional comments	
Facility 2:	**Visualisation Lab**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Living Lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Large scale 180 degrees LED wall for visualisation with AR, VR capabilities and advanced interactions. Virtual production capabilities for advertisements and short video productions. Advanced Unreal Engine capabilities
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Visualisation, 3D environment, Unreal Engine simulations, Virtual Production
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Use case visualisation, visual representations, live demos, large scale data visualisation, AR and VR applications, City Data visualisation
Example of how it has been used?	Large scale city data visualisation, virtual productions, commercials, advertisement, unreal engine simulations
Type of user (e.g. startups, researchers, SMEs)	Startups, public entities, SME's
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	-
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Limited access to partners and startups, requires physical presence

If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	N/A
High-Res Image of the Experimentation Space	-
URL	https://www.gate-ai.eu/en/infastructure/visualization-lab/
Contact Name	Evgeny Shirinyan
Email	Evgeny.shirinyan@gate-ai.eu
Phone	+359 89470625
Address / How to Reach	-
Any **additional comments**	-
Facility 3:	**Experimental Regulation and Policy Lab**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Experimental Regulation and Policy Lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	The GATE Experimental Regulation and Policy Lab (ERPL) offers a sandbox environment and tools in an innovative package for interdisciplinary development and testing of technologies and prototyping and modelling of new legal, ethical and policy solutions to meet contemporary technical, regulatory and market concerns.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Mobility, Built environment, Energy, Medical research, Cleantech, Deeptech
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	On one hand, the ERPL offers a sandbox environment for testing the feasibility, performance and innovation potential of new products, services and business models. On the other, it provides technology, legal, ethics and policy advice and training services to research organisations (e.g., in R&D projects) and companies.
Example of how it has been used?	Contribute to evidence-based regulatory learning to increase the oversight capacity and understanding of the opportunities, emerging risks and the impacts of applications of big data and AI Offer services that are in high demand but short supply because they require interdisciplinary expertise that cannot be provided by one service provider alone (e.g., a lawyer, an ethics officer, or a solutions architect) Bootstrap the national AI regulatory sandbox required under the European Union's AI Act by providing a sandbox environment aligned with the policy priorities of national competent authorities and developed in collaboration with the supervisory authorities expected to be involved in setting up the AI regulatory sandbox
Type of user (e.g. startups, researchers, SMEs)	Startups, Researchers, SME's

Pre-conditions (e.g. Technology Readiness Level (TRL))?	-
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Online and physical
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	N/A
High-Res Image of the Experimentation Space	N/A
URL	https://www.gate-ai.eu/en/infastructure/experimental-regulation-and-policy-lab/
Contact Name	Ivo Emanuilov
Email	ivo.emanuilov@gate-ai.eu
Phone	-
Address / How to Reach	-
Any **additional comments**	-
Facility 4:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Education lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	The Education lab comprises an interactive learning space equipped with computer stations, installed with advanced software supplied by the leading vendors in the field of Big Data and Artificial Intelligence, reflection area for discussions and meetings.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Big Data, AI
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Courses, Training, Mentorship
Example of how it has been used?	It is used to host educational courses and professional training by leading researchers at GATE Institute and established scientists from abroad.
Type of user (e.g. startups, researchers, SMEs)	Researchers, Startups, Students

Pre-conditions (e.g. Technology Readiness Level (TRL))?	N/A
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical and online
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	N/A
High-Res Image of the Experimentation Space	N/A
URL	https://www.gate-ai.eu/en/infastructure/education-lab/
Contact Name	Orlin Kouzov
Email	orlin.kouzov@gate-ai.eu
Phone	-
Address / How to Reach	-
Any **additional comments**	-

A broader overview of other relevant cleantech & deeptech resources in the country

Name	**Type** (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Sofia Tech park	Private sector testing opportunity	Sofia Tech Park offers services to support start-ups, small and medium-sized enterprises, science, education, innovation and technology.	https://sofiatech.bg/en/
Resonator	Living lab; Private sector testing opportunity	Resonator is a multipurpose facility and a one-of-a-kind Research & Development Center, maximising innovation output by mixing rapid prototyping capabilities with applied learning. We leverage on our close connection with product development companies, enterprises and an extended network of industry experts who co-develop products and businesses. Our first creative tech hub is based in the heart of Sofia, Bulgaria.	https://www.rsntr.com/

Cleantech Bulgaria	Private sector testing opportunity; Funding opportunity	A business network focused on clean technologies, innovation and sustainable development. Cleantech Bulgaria connects SMEs and large enterprises, experts, NGOs, entrepreneurs, government and international institutions.	https://cleantech.bg/en/home/
Innovation Starter Accelerator	Incubators & accelerators	Innovation Starter Accelerator is an educational acceleration program for pre-seed startups. The accelerator is powered by the team of the first Bulgarian innovation agency – Innovation Starter, which operates the projects Innovation Explorer Forum and Innovation Academy as well as the support of corporate partners.	https://accelerator.bg/
Invest Sofia	Funding opportunity; Incubators & accelerators	Invest Sofia's mission is to support Sofia to develop as a modern, innovative and green city; an attractive and preferred place to start and grow a business by local and foreign companies. They support Sofia in creating, attracting, retaining and inspiring talented professionals – entrepreneurs and researchers – that will help turn the city into a center of innovation for high value-added industries. Sofia Investment Agency is part of Sofia Municipality and offers a one-stop service for foreign companies, entrepreneurs and startups, looking to set up business in Sofia. We assist international companies in finding business opportunities in Sofia and provide all relevant information and guidance for setting up.	https://investsofia.com/en/mission-scope/
EDIH Bulgaria	Funding opportunity; Incubators & accelerators	Southeast Digital Innovation Hub, or DigIhub, is a NGO joint initiative of organisations from the public, private, non-governmental and the educational sectors in Burgas. Our mission is to facilitate the effective transition to digitalisation of the working processes, to support the representatives of the business in the region for the introducing and/or implementation of digital technologies and intelligent systems, and for offering of services with higher quality. DigIhub enables the trans-sectoral joint initiatives, workshops, and innovative start-ups. It contributes to the realization of joint projects for digital transformation of the business, which boosts the technological and innovative potential of the region for providing of a wide range of services in the area of tourism, cultural identity, logistic and mobility.	https://digihub.bg/en/

Trakia Economic Zone	Private sector testing opportunity; Funding opportunity;	Trakia Economic Zone is a true partner to foreign and domestic investors in the process of establishing a new or expanding their existing business. Trakia Economic Zone offers from Build-to-Suit to Full-Service development plans that are relevant for all types of business activities such as manufacturing, logistics, trade and distribution. Their mission is to create a healthy environment for all companies within our zones and help their sustainable growth.	https://tez.bg/bg/about-us/
Discoverer	Private sector testing opportunity	DISCOVERER is Bulgaria's cutting-edge supercomputer at the forefront of computational prowess. Nestled in the heart of Bulgaria, DISCOVERER stands as a testament to the nation's commitment to advancing high–performance computing. Co-funded by the European High-Performance Computing Joint Undertaking (EuroHPC JU) and the Bulgarian government, DISCOVERER has earned its place among the Top 500 supercomputers globally. With a powerful infrastructure and state-of-the-art technology, DISCOVERER is dedicated to fostering innovation, enabling groundbreaking scientific research, and nurturing the next generation of IT talent. Join us on a journey of computational excellence as we push the boundaries of what is possible in the world of supercomputing.	https://discoverer.bg/?doing_wp_cron=1753267423.5624420642852783203125
Joint Innovation Centre of the Bulgarian Academy of Sciences	Funding opportunity	The Joint Innovation Centre is a coordination unit for implementing the policy of BAS – in the fields of innovation and patent activities, and project competence. The Centre provides information for applying on call in EU Structural Funds and the Framework Programme of EU "Horizon Europe"; supports the preparation and implementation of project proposals. The Centre maintains business contacts in the country and abroad concerning innovations and applied research transfer, and supports the establishment of contacts "science – business" and "science – science".	https://www.jic-bas.eu/

Materials Science Laboratory	Public entity laboratory	The Materials Science Laboratory performs various types of analysis in support of the research activities of IEES, including: X-ray phase and structural analysis of solid phase materials; characterization of crystal/particle size and morphology by electron microscopy techniques (SEM, TEM and X-ray microanalysis). Materials porosity measurements are carried out, including: total pore volume, pore size distribution, bulk and skeletal density, specific surface area, etc. The Laboratory conducts also chemical composition analysis of lead, lithium and nickel compounds, carbons and other chemical substances used as raw materials in the manufacture of electrochemical power sources, as well as of the intermediate products obtained as a result of chemical conversions at different stages of battery operation.	https://iees.bas.bg/en/structure-111/materials-158
Institute of Organic Chemistry with Centre of Phytochemistry - BAS	Public entity laboratory	The main fundamental and applied investigations in IOCCP include: clarifying the relationship between the synthesis, the structure and the reactivity of organic compounds; isolation, determination of the structure and practical application of natural compounds; determination of the structure and the function of proteins, enzymes and peptides; study of the thermal and catalytic transformations of hydrocarbons. The IOCCP is engaged in the education of PhD students, as well as Bachelor and Master Degree students. Since its foundation the Institute of Organic Chemistry with Centre of Phytochemistry is a preferable partner for joint scientific projects of institutes and universities from most of the European countries, as well as of a number of European scientific foundations, e.g. DAAD, Alexander von Humboldt and National Science fund of Swiss.	https://www.orgchm.bas.bg/EN/index_en.html

2.5 Cyprus

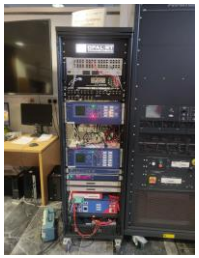
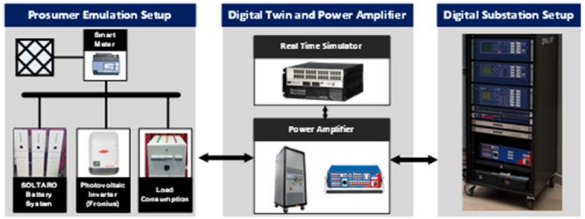
Cyprus is home to the KIOS Research and Innovation Center of Excellence, a key organisation driving Deeptech and cleantech innovation. The centre offers advanced testbeds and simulation platforms across sectors including energy, water, mobility, and emergency response, supporting technology development typically at TRL 4–7. Its facilities include a Power Systems Infrastructure for real-time smart grid testing, a Smart Water Systems testbed for leak and cyberattack simulations, and a Virtual City platform for urban resilience planning. Additional resources enable the development of emergency response technologies using UAVs, sensors, and AI, as well as connected

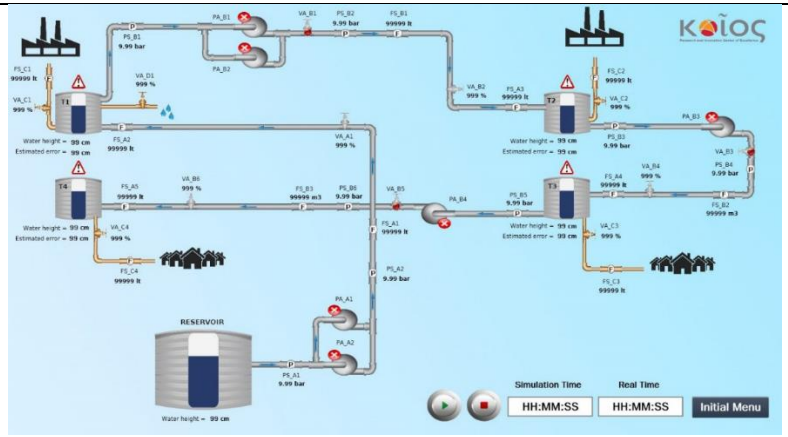
and autonomous vehicle innovations through a digital twin of urban transport systems. These infrastructures primarily serve researchers, SMEs, utilities, and public sector partners, generally accessed through collaborative projects.

Table 6: Mapped Cleantech/Deeptech Support experimentation RCC in the Cypriot IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.	
Organisation:	**Organisation: KIOS Research and Innovation Center of Excellence**
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	Name: **KIOS Research and Innovation Center of Excellence** Location: Nicosia, Cyprus Establishment: The KIOS Research Center for Intelligent Systems and Networks was established in 2008 at the University of Cyprus and was upgraded into a European Research and Innovation Center of Excellence in 2017. Activities: KIOS conducts cutting-edge multidisciplinary research and innovation in the area of Information and Communication Technologies delivering innovative tools and solutions to real-life problems for the intelligent monitoring, control, management, and security of Critical Infrastructure Systems. The Center ultimately aims to be a global leader in enabling society and economy to be more resilient, greener, and safer, through Research and Innovation in Critical Infrastructures.
Facility 1:	**Power Systems Infrastructure**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed

Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	**Short description:** The Power Systems Research Infrastructure targets high penetration of renewable energy sources to reduce greenhouse gas emissions. It aims towards modelling, simulation, emulation, and experimental validation of energy systems, with capabilities in the development of smart technology for the efficient and reliable integration of renewable resources both at the building and grid level. A real-time simulator is used to develop digital twins of actual power systems (i.e., the entire Cyprus power system) and investigate the interaction with smart grid controllers and actual power devices in hardware in the loop framework. Three different energy storage pilots and a wide deployment of sychrophasor measurement units in Cyprus power substations are integrated to facilitate the development of intelligent monitoring and control solutions for smart grids. Further capabilities include the development of real- time control algorithms for power electronic converters to advance the grid integration of renewable energy sources as well as testing of cyber security solutions in active distribution grids and in digital substations. **Physical resources:** Hardware-in-the-loop (HIL) simulations of digital twins (e.g., full Cyprus grid) 5 kVA PV-battery inverter pilot Phasor measurement units Cyber-security testing in distribution grids
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Energy, Built Environment (power infrastructures)
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	**Services offered:** Real-time simulation integration of inverter-based resources cybersecurity fault testing **Use application:** Allows the development of digital twins of power systems based on accurate modelling and considering field measurements. It can be used to perform control-HIL studies and power-HIL investigations by considering the interaction between physical devices and digital twins. The real time simulator allows utilities, manufacturers, operators, and research institutions to test multiple hardware devices and software solutions in a closed loop adjusting grid and network parameters, contingency scenarios, and device settings in a safe environment.
Example of how it has been used?	Used to test smart inverter control algorithms and evaluate grid stability in collaboration with the Cyprus Transmission System Operator.
Type of user (e.g. startups, researchers, SMEs)	Researchers, energy utilities, energy distributors, startups, municipality
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 5–7 Prototyping, Validation/Testing, Demonstration, Test-Before-Invest
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access upon agreement with KIOS. Typically collaborative research or pilot testing. Typically guided. Training needed. Partially online and partially physical access.

If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or research agreement. Commercial rates to be determined based on hourly rate and infrastructure access.
High-Res Image of the Experimentation Space (link or embedded)	 
URL	https://www.kios.ucy.ac.cy/power-systems-testbed/
Contact Name	Dr Christiana Papamichael
Email	papamichael.christiana@ucy.ac.cy
Phone	-
Address / How to Reach	Cyprus, KIOS
Any additional comments	-
Facility 2:	**Smart Water Systems Research Infrastructure**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	**Short description:** The Water Systems Research Infrastructure consists of an interconnected physical and virtual water transport system, that allow users to evaluate new monitoring, control algorithms and topologies, within a safe environment. It supports research and innovation projects, as well as proof-of-concept/pilot outcomes and products, aiming to the improvement and the expansion of knowledge associated with the efficiency, the reliability and the security of smart water supply networks. It is connected to a virtual part, which simulates a virtual city of 10,000 inhabitants, to capture in a realistic manner the variability on the demand related to water consumption. **Capabilities and physical resources:** Leak, contamination, sensor fault, PLC-targeted cyber-attack testing Real-time state estimation, ML/DL-based fault diagnosis Network reconfiguration, GIS analytics
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Built Environment

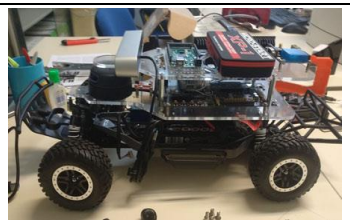
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Simulation of real-time leaks, contamination events, and cyberattacks; pilot deployment capabilities.
Stage of Innovation Supported?	Validation/Testing, Demonstration, Test-Before-Invest
Example of how it has been used?	Deployed in pilot cities and for testing new control strategies.
Type of user (e.g. startups, researchers, SMEs)	Researchers, municipal water operators, SMEs
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 4-7
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access upon agreement with KIOS. Typically collaborative research or pilot testing. Typically guided. Training needed. Partially online and partially physical access.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or research agreement. Commercial rates to be determined based on hourly rate and infrastructure access).
High-Res Image of the Experimentation Space	 
URL	https://www.kios.ucy.ac.cy/water-systems-testbed/
Contact Name	Dr Christiana Papamichael
Email	papamichael.christiana@ucy.ac.cy
Phone	-
Address / How to Reach	Email

Any **additional comments**	-
Facility 3:	**Virtual City Infrastructure**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Digital Twin / Simulation Platform
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	A virtual representation of urban infrastructure including water, power, transport, and telecom to support decision-making and disaster response planning. Simulate urban-scale disruptions (e.g., flood, blackout) Model environmental footprint and costs Supports emergency response and policy-making planners
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Governance/Data/Environment
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Simulation of cascading failures (e.g. flood/blackout), disaster scenario planning, urban planning impact analysis
Stage of Innovation Supported?	Concept, Validation, Demonstration
Example of how it has been used? Services?	Used to simulate cascading impacts of power and water failure scenarios to support emergency preparedness planning for Nicosia municipality. Services: Simulation of cascading failures (e.g. flood/blackout), disaster scenario planning, urban planning impact analysis
Type of user (e.g. startups, researchers, SMEs)	Urban planners, policy makers, disaster management teams, academic researchers
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL 4-6
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access upon agreement with KIOS. Typically collaborative research or pilot testing. Typically guided. Training needed. Partially online and partially physical access.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or research agreement. Commercial rates to be determined based on hourly rate and infrastructure access).

High-Res Image of the Experimentation Space	 
URL	https://www.kios.ucy.ac.cy/kios-virtual-city/
Contact Name	Dr Christiana Papamichael
Email	papamichael.christiana@ucy.ac.cy
Phone	-
Address / How to Reach	email
Any **additional comments**	-
Facility 4:	**Emergency Response Technologies**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed

Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	State of the art tools and methodologies for emergency response management, monitoring and inspection of critical infrastructures through the utilization of Unmanned Aerial Vehicle (UAVs), sensors and robotics technologies. These technologies are used for the development of intelligent functionalities including automated path-planning, real-time image analysis, object detection and coordination architectures for multi-drone systems that ensure scalable and robust operations. **Resources:** Systems for public safety, disaster & crime-scene monitoring using ICT-enabled tools (e.g., drones, sensors) Surveillance & inspection systems for critical infrastructure Tools for first responder support and disaster management Cyber-physical resilience testing. State-of-the-art LiDAR scanners for 3D surveys. RGB-Thermal camera suitable for integration in various UAV and robotics platforms. Suitable for in day and clear weather conditions as well as at night or in low Lux scenes, or in environments that have fog, haze, smoke or sandstorms. Multispectral camera capable of capturing different spectra or images beyond the range visible to the human eye. Hardware Prototyping & Integration with Unmanned Aerial Vehicles (UAVs) promotes applied field testing and deployment
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Governance, Mobility
Stage of Innovation Supported?	Prototyping, Validation, Demonstration, Test-Before-Invest
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	**Use application:** Use cases include Disaster Management & Emergency Response, Traffic Monitoring, Autonomous Navigation & Trajectory Planning, Critical Infrastructure Inspection. All our technologies can be modified and adapted for uses outside CIS. **Services offered:** Surveillance & inspection, public safety systems, disaster/crime-scene monitoring, first responder decision support. Autonomous navigation & Trajectory planning. Traffic monitoring. Inspection of infrastructures etc.
Example of how it has been used?	Used by first responders in civil protection exercises to test autonomous drone-based surveillance and disaster response communication tools.
Type of user (e.g. startups, researchers, SMEs)	Civil protection authorities, emergency response teams, public safety planners, defence researchers
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL 2-8
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access upon agreement with KIOS. Typically collaborative research or pilot testing. Typically guided. Training needed. Partially online and partially physical access.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or research agreement. Commercial rates to be determined based on hourly rate and infrastructure access).

High-Res Image of the Experimentation Space	
URL	https://www.kios.ucy.ac.cy/emergency-response-technologies/
Contact Name	Dr Christiana Papamichael
Email	papamichael.christiana@ucy.ac.cy
Phone	-
Address / How to Reach	Email
Any **additional comments**	-
Facility 5:	**Intelligent Transportation Systems**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Testbed/ Living lab
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Capabilities: Modelling, simulation, and testing of large-scale road networks, with a focus on connected & autonomous vehicles. Traffic network simulation and optimization. Connected Vehicle architecture validation Testing CAV strategies in lab environments. Resources: - Live urban transportation digital twin network (virtual) - Digital Twin of a Limassol urban area section. The primary network represented is the historic centre of Limassol and includes representations of other synthetic urban areas. By leveraging a digital-twin model, realistic traffic conditions based on real-life data and scenarios can be simulated. The Virtual Transportation Research Infrastructure allows for the realistic representation of multimodal transportation scenarios, providing a platform to assess potential policies and groundbreaking control methodologies—essentially offering a 'test before invest' approach. Moreover, the Virtual Transportation Research Infrastructure capabilities were extended to accurately replicate the evolving connectivity features of modern transport infrastructures and vehicles. It further offers the capability of modelling and simulation of scenarios that incorporate Electric Vehicles (EVs) and/or Connected and Autonomous vehicles (CAVs). - Connected and Autonomous vehicles (CAVs) models (physical) - Live experimental platform consisting of six small-scale (1:10) CAVs, equipped with GPS modules, proximity sensors, laser scanners, IMU & ESC modules, V2X modules, stereo cameras, NVIDIA Jetson processing units. These CAVs operate on a compact track, providing SMEs and researchers with

	the opportunity to conduct tests and refine CAV technologies while also developing novel architectures and technologies within a controlled, safe and secure environment. Consequently, the Physical Transportation Research Infrastructure enables the real-time implementation and visualization of real-world traffic scenarios, all aimed at tackling the traffic-related challenges associated with CAVs.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Mobility, Buit Environment (infrastructure)
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Traffic optimization, connected vehicle testing, smart mobility algorithms, CAV strategy simulation
Stage of Innovation Supported?	Prototyping, Validation/Testing, Test-Before-Invest
Example of how it has been used?	Used to simulate connected vehicle strategies and optimize traffic flow scenarios in urban road networks.
Type of user (e.g. startups, researchers, SMEs)	Mobility researchers, ITS developers, automotive R&D teams, city traffic engineers, municipality, Public sector SMEs, Environment ,Manufacturing, Transport/ Maritime/ Shipping, Services
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL 4-6
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access through collaboration with KIOS. Physical and online.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Project-based or research agreement. Commercial rates to be determined based on hourly rate and infrastructure access).
High-Res Image of the Experimentation Space	
URL	https://www.kios.ucy.ac.cy/intelligent-transportation-systems/
Contact Name	Dr Christiana Papamichael

Email	papamichael.christiana@ucy.ac.cy
Phone	-
Address / How to Reach	email
Any **additional comments**	-

2.6 Lithuania

Lithuania's deeptech and cleantech ecosystem features FINEX Partner Sunrise Tech Park in Vilnius as a key organisation that brings together several important facilities and capabilities to support startups and SMEs. Sunrise Tech Park offers incubation, co-working, and soft-landing services, alongside support for entrepreneurship, internationalisation, policy guidance, and access to finance and R&D. Within this ecosystem, the CERN Incubator provides technical consultations with CERN experts and access to advanced technologies such as sensors, cryogenics, and high-performance computing under favourable licensing terms. The Sunrise Valley Digital Innovation Hub (EDIH-Vilnius), part of the EU's EDIH network, delivers digital transformation support including robotics for logistics, laboratory automation, and 3D design for product development. Additionally, the Cleantech Catalyst acceleration program offers intensive training, mentoring, and access to Sunrise Tech Park's facilities for early-stage cleantech startups. Together, these interconnected programs form a comprehensive infrastructure supporting innovation at TRL 4–7, guiding startups from validation to demonstration phases.

Table 7: Mapped Cleantech/Deeptech Support experimentation RCC in the Lithuanian IE

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.	
Organisation:	**Sunrise Tech Park**
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	**Sunrise Tech Park** - a business support organisation offerering comprehensive services for young innovative business
Facility 1:	

Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**Science&Technology Park/Incubator/Accelerator**
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Sunrise Tech Park offers a comprehensive range of services to support startups and businesses, including incubator and co-working spaces, virtual offices, and meeting facilities. It fosters community-building through events and networking, provides access to finance, R&D centers, and technology transfer. The park facilitates partnerships, business missions, talent scouting, marketing, consulting, and internationalization support. Additional offerings include soft-landing services, entrepreneurship support, policy guidance, maker spaces, pre-acceleration programs, creativity and digitalization initiatives, cluster development, and non-formal education opportunities.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Cleantech, Biotech, Robotics, Laser technologies, IoT and other
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Business incubation and acceleration, access to R&D labs, prototyping and maker spaces, technology transfer, internationalization support, talent scouting, soft-landing for foreign startups, policy and funding guidance, networking and community-building events.
Example of how it has been used?	Over 270 startups benefited from incubation, acceleration and training services. Some successful companies, alumni of STP: Oxipit, Bored Panda; Eskimi; Integrated Optics
Type of user (e.g. startups, researchers, SMEs)	Startups, SMEs, innovators, researchers, scale-ups
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 3-9, Access to some services depend on projects scope
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical use of co-working spaces, labs, and meeting facilities; online access to mentorship, consulting, and virtual office services.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Subsidized for local startups; competitive rates for co-working and meeting facilities; customized packages for incubation and acceleration programs. Some services free funded by EU or national initiatives.

High-Res Image of the Experimentation Space (link or embedded)	  
URL	https://ssmtp.lt/
Contact Name	
Email	info@ssmtp.lt
Phone	+370 (615) 47865
Address / How to Reach	Sauletekio ave. 15 – 316, LT-10224 Vilnius
Any additional comments	

Facility 2:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**Cleantech Lithuania** is a cleantech cluster, a national platform uniting clean technology companies, research institutions, and other stakeholders in Lithuania. The cluster is coordinated and represented by Sunrise Tech Park
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	The cluster promotes innovation, sustainable solutions, and international collaboration in areas such as renewable energy, energy efficiency, circular economy, and smart technologies. Its services include business development support, access to R&D resources, partnership facilitation, project coordination, and international market entry assistance. Cleantech Cluster plays a key role in driving Lithuania's green transformation and positioning its members on the global cleantech stage.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Renewable energy, sustainable mobility, resources, agritech, circular economy.
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Facilitated pilot projects in smart energy efficiency systems through EU Horizon and Interreg programs. Supported Lithuanian SMEs in developing and exporting solar energy solutions to Nordic markets.Supported companies with hackathons for agritech, biotech and cleantech solutions.
Example of how it has been used?	The cluster involves +30 companies and organisations
Type of user (e.g. startups, researchers, SMEs)	Startups, SMEs, researcher organisations, academia, public organisation with focus on cleantech and circular solutions
Pre-conditions (e.g. Technology Readiness Level (TRL))?	Not defined, typically TRL 5–9.
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Physical access to labs, testing, and events via partner R&D institutions. Online — networking, matchmaking, and virtual consulting.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Membership-based, services subsidized for certain programs
High-Res Image of the Experimentation Space (link or embedded)	
URL	https://www.linkedin.com/company/cleantech-lithuania/about/
Contact Name	
Email	info@cleantechlithuania.lt

Phone	+370 (615) 47865
Address / How to Reach	Sauletekio ave. 15 – 316, LT-10224 Vilnius
Any **additional comments**	
Facility 3:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**CERN Incubator hosted by Sunrise Tech Park**
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Incubation offices & meeting spaces. Technical consultation directly with CERN experts over 24 months. Access to CERN-developed technologies—including accelerators, sensors, lasers, cryogenics, magnet, vacuum & supercomputing—under favorable licensing terms
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Sensors and detector technologies, photonics and lasers, cryogenics and superconductivity, vacuum and thermal systems, microelectronics and ASICs, high-performance computing and data technologies, environmental and energy efficiency solutions, robotics and drones, as well as medical devices and life sciences.
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Technology and IP licensing from CERN at preferential rates. Consulting support: 40 hours of free CERN expert consultation + 200 hours of local experts. €40,000 grant per startup selected into the program.
Example of how it has been used?	Delta Biosciences was selected to incubate in 2021. The biotech startup develops miniaturized functional assays to accelerate drug discovery using CERN technologies. Received grant, expert guidance, and access to the incubator premises
Type of user (e.g. startups, researchers, SMEs)	Startups, spin-offs, early-stage SMEs applying to build products or services based on CERN technology or to solve complex technical challenges using CERN competencies
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	Targeted at TRL 3–6/7: from proof-of-concept to early commercialization. Applicants must propose business ideas or technology solutions grounded in CERN's technology domains.
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Application-based process: written proposals + business plan → evaluation by commission with CERN and Lithuanian Innovation Centre experts.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Subsidised for selected startups

High-Res Image of the Experimentation Space (link or embedded)	
URL	https://ssmtp.lt/en/cern/
Contact Name	
Email	+370 (615) 47865
Phone	Sauletekio ave. 15 – 316, LT-10224 Vilnius
Address / How to Reach	
Any **additional comments**	
Facility 4:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**Sunrise Valley Digital Innovation Hub/ EDIH Vilnius**
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	DIH provides digitalisation services, consultations for SMEs and public sector. It is a part of EDIH network, known as EDIH-Vilnius. EDIH Vilnius delivers integrated support across four pillars: Test Before Invest—access to experts, labs, and pilots to validate AI, data, cybersecurity, and automation solutions before scaling; Skills & Training—tailored upskilling for leaders and practitioners through academies, clinics, and mentoring; Support to Find Investments—finance-readiness diagnostics, funding roadmaps, proposal reviews, and investor matchmaking to unlock public and private capital; and Ecosystem & Networking—brokerage, cross-border partner search, and community events connecting SMEs, public organisations, and technology providers. DIH infrastructure integrates advanced automation, robotics, and software systems for warehouse logistics, laboratory operations, and digital design. It supports efficient goods handling, specialized lab processes, and 3D modeling and simulation for product development.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	EDIH Vilnius is focusing on key sectors: cleantech, fintech, smart cities, and smart health, powered by cross-cutting technologies such as AI, cybersecurity, and blockchain.
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	EDIH Vilnius supports a wide range of real-world applications through its experimentation services tailored to sectors such as energy, urban mobility, environment, cleantech, fintech, and public services. For example, SMEs can pilot solutions for precision environmental monitoring using IoT sensors and unmanned aerial vehicles, or test AI-based models for urban infrastructure, predictive maintenance, and smart mobility using GIS and open data platforms. Advanced experimentation spaces enable development of AI pilots, digital MVPs, 3D modelling, and data-driven tools, which are applicable to fields like autonomous systems, resource optimisation, cybersecurity, and public sector innovation.

Example of how it has been used?	EDIH Vilnius has helped public and private organizations validate digital solutions before scaling. Examples include Taupalda UAB, which increased sales by 30% with a tailored CRM; the State Data Agency, which created a 3D building model for energy and infrastructure planning; and ADOS-tech, which prototyped a secure laser-based communication system through environmental simulations and component testing.
Type of user (e.g. startups, researchers, SMEs)	Startups, SMEs, public service organisatiosn
Pre-conditions (e.g. Technology Readiness Level (TRL))?	TRL8+
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	EDIH Vilnius offers guided services starting with a digital maturity assessment or consultation to match SMEs and public sector organizations with services in AI, cybersecurity, and data analytics. Most activities are expert-led and held physically or in hybrid form at partner facilities like Sunrise Tech Park and VILNIUS TECH, with some online components such as assessments or data sandboxes.
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	EDIH Vilnius services follow a transparent price list. Services are subsidised by EU and national co-funding. SMEs and public organizations usually pay only about 25% of the market rate under state aid schemes.
High-Res Image of the Experimentation Space (link or embedded)	
URL	https://sunrisevalleydih.lt/en/ https://www.edih.lt/
Contact Name	Evelina Šalavėjienė
Email	info@edih.lt
Phone	+370 (615) 47865
Address / How to Reach	Sauletekio ave. 15 – 316, LT-10224 Vilnius
Any **additional comments**	
Facility 5:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**Cleantech Catalyst by Sunrise Tech Park**

Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	The Cleantech Catalyst is a six-month acceleration program designed to support early-stage cleantech startups. It includes 3 months of intensive workshops and seminars and development phase with continued support at Sunrise Tech Park, including access to office space, mentorship, and networking opportunities.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Renewable Energy, Sustainable Mobility, Cleantech, Circular Economy, Environmental Technologies, Smart Solutions
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Startup acceleration and mentoring for cleantech founders. Business model development, fundraising readiness, market validation, internationalization support. Access to potential pilot projects and test environments in renewable energy, sustainable technologies, and IoT applications. Networking with investors, corporate partners, and policymakers
Example of how it has been used?	Six promising startups finalised Cleantech Catalyst incubation program in 2024
Type of user (e.g. startups, researchers, SMEs)	Startups, entrepreneurs, early-stage SMEs in cleantech and sustainability fields
Pre-conditions (e.g. Technology Readiness Level (TRL))?	Typically TRL 3–6 (from proof of concept to prototype demonstration). Teams must have a cleantech-focused innovation or business idea ready for acceleration
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Application-based admission.Physical access at Sunrise Tech Park for office space and networking Online participation for some seminars, mentorship, and networking events
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Subsidized / free for selected startups

High-Res Image of the Experimentation Space (link or embedded)	
URL	https://www.cleantechcatalyst.eu/
Contact Name	https://www.cleantechcatalyst.eu/
Email	
Phone	info@cleantechcatalyst.eu
Address / How to Reach	+370 (615) 47865
Any **additional comments**	
Facility 6:	
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	**StartupLAB by Sunrise Tech Park** - incubation, entrepreneurship, innovation support

Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Programme to foster Lithuanian regional startups, the goal is for at least 30 startups to graduate from a pre-accelaration programme by 2027, enlisted startups may use Startup_Lab incubator fascilities (4 incubators up and running in Alytus, Biržai, Druskininkai, Panevėžys) and have acces to mentorship and consultations from Sunrise Tech Park specialists.
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Early-stage entrepreneurship across various sectors
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	Startups are reached out through events, onboarded through hackathons or through direct onboarding interviews, main services offered: office and meeting fascilities (incubation), pre-acceleration programme and mentorship, networking, training sessions. Access to funding opportunities and investor connections via Sunrise Tech Park.
Example of how it has been used?	Physical access to Startup_Lab incubation spaces, access to mentorship, as well as a pre-acceleration program which is mandatory to all enlisted startups
Type of user (e.g. startups, researchers, SMEs)	Regional startups, no more than 5 years old
Pre-conditions (e.g. Technology Readiness Level (TRL))?	Startups located in Lithuania’s regions, are no older than 5 years, and meet the SME entity requirements
How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Access is hybrid: Sunrise Tehc Park specialists mentorship may be accessed online, pre-acceleration program is for the most part in-person but with some remote work options with unrestricted phisical access to Startup_Lab incubation fascilieties
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Subsidized - free for participants funded by Sunrise Tech Park and supported by national and EU funds

High-Res Image of the Experimentation Space (link or embedded)	 
URL	https://startuplab.lt/
Contact Name	
Email	
Phone	

Address / How to Reach	
Any **additional comments**	

A broader overview of other relevant cleantech & deeptech resources in the country			
Name	Type (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Litgrid 1 MW Battery Energy Storage System (BESS)	Testbed	The Litgrid 1 MW BESS pilot project, launched in December 2021, serves as a pioneering initiative in Lithuania's energy sector. Developed in collaboration with Fluence, this project integrates a 1 MW/1 MWh battery system into the national transmission grid. It aims to demonstrate the viability of using battery storage for grid stabilization, voltage regulation, and emergency reserves. The project has also facilitated the development of technical specifications for connecting battery systems to the transmission network and has contributed to the creation of a mathematical model to simulate battery performance.	https://www.litgrid.eu/index.php/rd/1-mw-battery/31964
Lithuanian Energy Institute Hydrogen Center (Kaunas)	Testbed / Research Lab	Lithuanian Energy Institute's Center for Hydrogen Energy Technologies conducts R&D on hydrogen production, storage materials and fuel cells. This state-owned lab offers analysis and prototyping services (e.g. membrane fabrication, thin-film deposition) to researchers and industry. Access is by collaboration	https://www.lei.lt/en/subdivision/center-for-hydrogen-energy-technologies/
Lithuanian Energy Iinstitute Energy Systems Lab (Kaunas)	Research Lab / Policy Analysis Hub	The Laboratory of Energy Systems Research specializes in energy-system modelling, forecasting and policy analysis. Its work includes analysis of medium- and long-term energy supply scenarios; evaluation of environmental impact of the energy secto and efficiency of support mechanisms for renewables	https://www.lei.lt/en/subdivision/laboratory-of-energy-systems-research/
FTMC Laser Microfabrication Laboratory	Testbed	This laboratory focuses on developing laser-based microfabrication technologies for precise and localized material processing. It aims to bridge the gap between fundamental research and commercial applications in laser and optical technologies.	https://www.ftmc.lt/laser-microfabrication-laboratory

FTMC 3D Technologies and Robotics Laboratory	Testbed	This laboratory specializes in 3D laser processing and additive manufacturing using advanced robotics and positioning systems. It aims to develop and apply 3D laser technologies for industrial processes.	https://www.ftmc.lt/3d-technologies-and-robotics-laboratory
Electrochemical Energy Conversion Laboratory	Testbed	This laboratory conducts research on electrochemical processes for energy conversion, focusing on developing new nanomaterials and their applications in optoelectronics,	https://www.ftmc.lt/department-of-electrochemical-material-science
Environmental Research Facilities	Testbed	These facilities focus on environmental research, investigating small-scale fundamental processes occurring with atmospheric aerosols and developing environmental instruments and new methods for assessing environmental quality.	https://www.ftmc.lt/department-of-environmental-research
Vilnius Tech Building Energy Lab (Vilnius)	Research Lab / Testbed	Vilnius Tech University's Laboratory of Building Energy and Microclimate Systems researches energy efficiency in buildings and renewable integration. Established in 2010, it provides "energy efficiency research and knowledge dissemination" on heat/cooling systems and near-zero-energy buildings design	https://vilniustech.lt/environmental-engineering/departments/department-of-building-energetics/laboratories/laboratory-of-building-energy-and-microclimate-systems/63194#:~:text=The%20laboratory%20performance%20goal%20,particularly%20in%20the%20following%20areas
Vilnius Tech Energy & HVAC Labs (Vilnius)	Testbed / Training Facility	Vilnius Tech also offer Labs for heat transfer, HVAC, and heating technology. These include test-benches for heat pumps, ventilation units, and hydronic systems. These facilities support research and also training of engineers. Publicly funded by the university/EU, they can be accessed via academic-industry collaborations.	https://vilniustech.lt/environmental-engineering/departments/department-of-building-energetics/laboratories/heat-transfer-laboratory-of-academician-algirdas-zukauskas/63196#:~:text=Heating%20Technology%20Laboratory
APC "HPC Saulėtekis" by Vilnius University	Research Infrastructure / Testbed	The Open Access Center (APC) "HPC Saulėtekis" is a high-performance computer designated for Lithuanian and international scientific research. The performance achieved for scientific calculations without GPU on the HPLinpack test is 0.27 PFlops with 15 TB RAM. GPU performance changes to 2 times 0.1 PFlops. The center enables the solution of extremely complex problems in materials science, quantum chemistry, astrophysics, and tasks requiring up to 40 qubits in quantum information, as well as participation in international projects.	https://www.supercomputing.ff.vu.lt/en/

Kaunas Tech Renewable Resources Lab (Kaunas)	Living Lab	Kaunas Tech University installed a rooftop Renewable Resources Lab on Building No.9 to demonstrate integrated solar PV and geothermal. This publicly funded facility (EU/LEIF) is used for teaching and piloting new energy systems. It functions as a living lab where students, researchers and companies can study building-scale renewable systems.	https://fmed.ktu.edu/department-of-energy/
Ignitis Group Innovation Hub	Energy Tech Sandbox	This innovation platform provides startups and researchers open access to state-owned energy assets for field testing. Companies can apply to use power generation and grid infrastructure (including 120,000 km of lines and generation assets) for live proofs-of-concept	https://ignitisinnovation.com/
Ignitis Open Infrastructure (Distribution Grid) Sandbox	Energy Infrastructure Sandbox	Ignitis Open Infrastructure (Distribution Grid) Sandbox – Ignitis Group also runs an Open Infrastructure initiative for distribution network and e-mobility. It offers startups free access to its DSO grid, EV charging stations, smart meters and data for pilot projects. This testbed supports clean energy and e-mobility innovations (e.g. demand-response algorithms, charging network services). Applicants complete an online form and deploy their solution on Ignitis equipment under an agreement.	https://ignitisinnovation.com/#:~:text=Ignitis%20group%20Open%20infrastructure%20%2F,EnergySmart%20solutions
Regulatory Energy Sandbox (planned)	Regulatory Sandbox	Lithuania's Ministry of Energy is establishing a regulatory sandbox under the Energy Law. Once in force, energy innovators will be able to "carry out live testing of new products and business solutions" without full licensing. The National Energy Regulatory Council will supervise and streamline permits. This public-sector sandbox (pending legislation) is intended to remove barriers for pilot projects in generation, storage, and energy services.	https://enmin.lrv.lt/en/sectoral-policy/research-and-innovation-in-the-energy-sector/regulatory-sandbox-for-the-energy-sector/#:~:text=In%20order%20to%20facilitate%20and,energy%20innovation%20will%20be%20created
AI Sandbox (Digitalisation)	AI Sandbox	The Innovation Agency and Communications Regulator launched an AI Sandbox (2024 pilot) to let companies safely develop AI applications. New rules allow "technology companies to safely design, test and develop AI solutions before market launch" in a controlled lab	https://eimin.lrv.lt/en/structure-and-contacts/news-1/lithuania-accelerates-development-of-artificial-intelligence-by-creating-a-sandbox-to-test-the-technology/#:~:text=Lithuania%20is%20becoming%20one%20of,compete%20in%20the%20global%20marketplace

GovTech Sandbox by Innovation Agency	Sandbox	The GovTech Sandbox is a government-led initiative in Lithuania that facilitates the testing and development of innovative technological solutions to address public sector challenges. It provides a controlled environment where startups, SMEs, and public institutions can collaborate to pilot and refine digital tools, particularly in areas like artificial intelligence, data analytics, and automation. The program aims to enhance public sector efficiency, transparency, and service delivery through technological innovation.	https://govtechlab.lt/govtech-sandbox/

2.7 Additional IE: HEC Paris as an illustration of S&IL cleantech and deeptech ecosystem in Europe

France's cleantech and Deeptech innovation ecosystem is recognised as an S&IL. Supported by key organisations, such as the FINEX Partner HEC Paris's Creative Destruction Lab (CDL) Paris that has been playing a significant role as an incubator and accelerator. CDL offers a free early-stage mentorship program designed for pre-seed to seed-stage startups, primarily focused on climate technologies. The program combines online engagement with biannual in-person workshops, where startups receive expert guidance from entrepreneurs, technologists, and investors to help them reach critical growth milestones. The broader ecosystem includes diverse facilities and resources such as Station F, a major startup campus providing workspaces, accelerator programs, and access to a large investor community; Marble, a climate tech venture studio with global reach; and Genopole, which accelerates biotech Deeptech startups through its Gene.iO program. Additional hubs like Climate House foster communities of entrepreneurs dedicated to sustainability, while Davinci Labs supports innovations in AI, quantum technologies, and synthetic biology for planetary health challenges. Initiatives such as Hello Tomorrow and Maison 2050 contribute further by accelerating innovative Deeptech solutions and facilitating collaboration across academia, industry, and ecosystem partners. These organisations serve a broad range of users including startups, researchers, and SMEs, covering sectors such as climate, biotech, AI, and sustainability, and supporting innovations generally from early TRL stages through to market readiness.

Table 8: Mapped Cleantech/Deeptech Support experimentation RCC in the French IE (HEC Paris)

Detailed information about FINEX partner organisation(s) and the available testing, funding, and support resources for cleantech and deeptech innovation.	
Organisation:	**Organisation:** Creative Destruction Lab
Description of the Ecosystem / Organisation (name, location, year of establishment, focus of activities - local/national/international, profile - general/specialised/cleantech/deeptech, support funds)**:**	CDL (Creative Destruction Lab) - Paris
Facility 1:	**Climate Incubator & Accelerator**
Type of facility (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubators & accelerators, programs)	Incubator & accelerator
Short description of the actual **capabilities and physical resources** (e.g. sensors, drones, etc.)	Creative Destruction Lab (CDL) is an early-stage mentorship program for pre-seed to seed stage science and technology-based start-ups looking to scale. The program takes no equity and charges no fees to participants – it is funded through partnerships and philanthropy. At its core, CDL's program consists of a series of 5 full-day workshop-style mentorship sessions spread over a period of 9 months between October and June. At these sessions, founders meet with a curated group of accomplished entrepreneurs, experienced operators, technologists and investors to crowdsource feedback on short-term objectives that move the venture towards its next inflection point and potentially a financing event
Sector (e.g. Mobility, Energy, Governance/Data, Built Environment)	Climate
Use Application, Services offered (e.g. Precision farming, Autonomous driving)	n.a
Example of how it has been used?	n.a
Type of user (e.g. startups, researchers, SMEs)	Startups
Pre-conditions (e.g. Technology Readiness Level (TRL))? (Testbeds, Sandboxes, Living Labs)	TRL 3-5, Pre-seed, seed, series A

How to use it / what **type of access**: Is it self-guided? Does it need training? Online or Physical?	Online mostly, meetings twice per year in person
If Used in the Past, **Pricing Model** (e.g. hourly rate, free for partners, subsidized)	Free for startups
High-Res Image of the Experimentation Space	https://drive.google.com/file/d/1YDEpXPRCS-KpvU1wCE7nBHbbOt2adpf1/view?usp=sharing
URL	https://creativedestructionlab.com/
Contact Name	Livia Kalossaka or Aymeric Penven
Email	livia.kalossaka@creativedestructionlab.com aymeric.penven@creativedestructionlab.com
Phone	
Address / How to Reach	email
Any additional comments	-

A broader overview of other relevant cleantech & deeptech resources in the country

Name	**Type** (e.g. Sandbox; Testbed; Living lab; Private sector testing opportunity; Funding opportunity; Incubator; Accelerator; Other programs)	**Short Description**	**URL**
Station F	Startup campus: work spaces, Incubators & accelerators, Venture Studios, Events, Workshops	Featuring resources both on-campus and online - including a huge investor community, more than 150+ perks and offers, 35 public services, 600+ events and workshops per year - STATION F offers everything entrepreneurs need to launch and grow their businesses.	https://stationf.co/
Marble	Venture Studio	Climate tech venture studio with global reach	https://marble.studio/
Genopole	Startup Incubator &Accelerator for biotech deeptech	Gene.iO is Genopole's start-up acceleration program: a program for innovative start-ups seeking investors and/or commercial partners to enable market entry and the development of novel products or services in Genopole's strategic sectors.	https://www.genopole.com/
Climate House	Climate community in the center of Paris offering work spaces	Climate House is a community of 600 "hackers" dedicated to transforming the economy. Co-founded by 80 entrepreneurs (40 women and 40 men),	https://climate.house/

		it brings together 400 co-locating entrepreneurs from over 100 organizations, 80 digital nomad co-founders, and 120 members	
Davinci Labs	Accelerator & Incubator	research and incubation structure inspired by Leonardo da Vinci. Its interdisciplinary and humanistic approach aims to bring out the future deep tech champions, specifically the applications of artificial intelligence, quantum technologies, and synthetic biology to planetary health challenges.	https://www.davincilabs.eu/en/
Hello Tomorrow	Startup competitions and accelerators programs, also events	accelerate radical solutions to improve human and planetary health, leveraging the power of deep tech ventures	https://hello-tomorrow.org/
Maison 2050	Private research centre founded by academics, corporates and knowledge partners like BCG	2050NOW La Maison is a catalyst of ecosystems and knowledge aimed at accelerating the sustainable transformation of businesses	https://2050nowlamaison.com/en/

3. Conclusions

The innovation ecosystems across the seven FINEX partner countries - Finland, Estonia, Latvia, Bulgaria, Cyprus, Lithuania, and France - demonstrate a diverse and robust landscape supporting cleantech and Deeptech development. These ecosystems collectively offer a broad spectrum of facilities, capabilities, and resources, including digital matchmaking platforms, living labs, testbeds, incubators, accelerators, and specialised research centres. In this catalogue, **over 70 facilities and/or supporting organisations and opportunities have been mapped**. This comprehensive infrastructure fosters innovation across **key sectors such as energy, urban technology, climate, mobility, AI, biotech, and sustainability.**

Users across these ecosystems are diverse and include **startups, scaleups, SMEs, researchers, corporates, utilities, and public sector entities**. The ecosystems are designed to support innovations spanning a wide range of Technology Readiness Levels (TRL), generally **covering early validation and prototyping (TRL 3-5) through to demonstration and market deployment (TRL 6-9).** This broad TRL coverage enables innovators to progress their technologies effectively from concept to commercialisation.

Funding and acceleration support is a consistent feature across these countries, with access to early-stage grants, venture capital, and EU-supported initiatives playing a pivotal role in enabling startups and researchers to develop and scale their innovations. Examples include specialised funding programmes like SmartCap Green Fund and NordicNinja VC in Estonia, and strong acceleration initiatives such as the Innovation Starter Accelerator in Bulgaria and the Cleantech Catalyst in Lithuania.

The ecosystems are further enriched by **active community engagement, cross-sector collaboration platforms, and policy support mechanisms** that help align technology development with broader societal and environmental goals. Institutions like Latvia's Cleantech for Baltics think tank and Bulgaria's Experimental Regulation and Policy Lab exemplify efforts to integrate innovation with policy frameworks and stakeholder collaboration.

Table 9: Overview of Infrastructure per FINEX IE

FINEX IE	Key ISOs	Facility Types	Main Sectors	TRL Range	Typical Users
Finland	EIT Digital, Aalto University (Urban Mill), VTT	Digital platforms, Living labs, Technical testbeds	Energy, Urban tech, Climate, Built environment	TRL 4 - 9	Startups, SMEs, Researchers, Corporates, Public sector
Estonia	TalTech, Tartu Science Park, Tehnopol, oPEN Living Lab	Testbeds, Living labs, Accelerators, Research centres	Energy, Mobility, Digital tech	TRL 3 - 9	Startups, Researchers, SMEs
Latvia	Cleantech for Baltics, Green-Tech Cluster, LIAA, EIT RIS Hub	Innovation clusters, Policy platforms, Funding agencies	Cleantech (cross-sectoral), Smart tech	Flexible	Startups, Researchers, Policymakers, SMEs

FINEX IE	Key ISOs	Facility Types	Main Sectors	TRL Range	Typical Users
Bulgaria	GATE Institute, Sofia Tech Park, Resonator, Cleantech Bulgaria	Living labs, Visualisation labs, Policy sandboxes, Accelerators	AI, Environmental tech, Digital solutions	TRL 4 - 9	Startups, SMEs, Researchers
Cyprus	KIOS Research and Innovation Center of Excellence	Smart grid testbeds, Simulation platforms, Urban digital twins	Energy, Water, Mobility, Emergency response	TRL 4 - 7	Researchers, SMEs, Utilities, Public sector
Lithuania	Sunrise Tech Park, CERN Incubator, EDIH-Vilnius	Incubators, Acceleration programmes, Digital transformation labs	Robotics, Logistics, Digital design, Cleantech	TRL 4 - 7	Startups, SMEs, Researchers
France	Creative Destruction Lab (CDL), Station F, Genopole, Davinci Labs	Accelerators, Startup campuses, Venture studios, Research hubs	Climate tech, Biotech, AI, Sustainability	TRL 3 - 9	Startups, SMEs, Researchers, Investors

Further enhancement on the mapping of resources is planned for a future version of the catalogue. It will include a more comprehensive RCC mapping of the ISOs within both FINEX partner organisations as well as their broader ecosystems. The resulting catalogue will be published on the FINEX project Helpdesk. It will be regularly updated throughout the project to reflect new opportunities and ensure stakeholders have ongoing access to up-to-date information. This resource is intended to offer a clear overview of the support infrastructure, capabilities, and expertise available across FINEX regions to facilitate and enhance experimentation in cleantech and deeptech innovation.

4. References

Cleantech for Europe. (n.d.). *What is cleantech?* https://www.cleantechforeurope.com/explainers/what-is-cleantech

European Innovation Council and SMEs Executive Agency (EISMEA). (n.d.). *European innovation ecosystems*. https://eismea.ec.europa.eu/programmes/european-innovation-ecosystems_en#european-innovation-ecosystems

European Institute of Innovation and Technology. (n.d.). *EIT Community Testbeds.* https://testbeds.eitcommunity.eu/

European Network of Living Labs (ENoLL). (n.d.). *Living labs*. https://enoll.org/living-labs/