ATTRACT

Final Conference

SPARKS,
Brussels

2 & 3
July 2025

Aalto University · CERN · EIRMA · EMBL · esade · ESO · ESRF · European XFEL · NEUTRONS FOR SOCIETY

Table Of → Content

What is ATTRACT?

The **ATTRACT initiative** was launched to bridge the gap between fundamental research and real-world applications, ensuring that breakthrough technologies contribute to economic growth and societal well-being. Supported by the **European Union's Horizon 2020 programme**, ATTRACT pioneers a new European model of Open Innovation, bringing together top research institutions, industry leaders, entrepreneurs, and investors to accelerate technology development.

In 2018, **ATTRACT phase 1** began with an Open Call, selecting 170 promising projects in detection and imaging technologies. **Each project received €100,000 to develop a proof-of-concept** in 12 months. This phase established a co-innovation ecosystem, encouraging collaboration between researchers and industry.

Additionally, the "Young Innovators and Entrepreneurs Pilot" engaged Master's students in applying design thinking to ATTRACT-funded technologies, exploring new societal applications. The phase culminated in the Final Assessment Conference in 2020, where projects presented their results and business concepts.

Building on the success of its first phase, **ATTRACT phase 2** was launched in 2021 with a €28 million funding envelope. It focused on the proven and most promising breakthrough technology concepts from the previous phase, advancing selected technologies from Technology Readiness Level (TRL) 4 to TRL 7.

These technologies demonstrated strong potential for scientific, industrial, and societal applications, reinforcing ATTRACT's role in accelerating deep-tech innovation. This phase expanded ATTRACT's impact through key initiatives:

- The **ATTRACT Academy**, established to prepare the next generation of deep-tech innovators, engaged **more than 1,300 students** from diverse disciplines across Europe who have worked alongside professional researchers, gaining hands-on experience in translating fundamental research into real-world applications.

- The **Socioeconomic Studies**, conducted by business and innovation experts, provide an in-depth **quantitative and qualitative analysis** of key aspects of the **ATTRACT model**, offering valuable insights for policymakers on how its approach can be effectively scaled up at both national and pan-European levels.

Through strategic funding and collaboration, initiatives like ATTRACT transform scientific excellence into tangible societal and economic benefits, securing Europe's long-term prosperity.

ATTRACT highlights

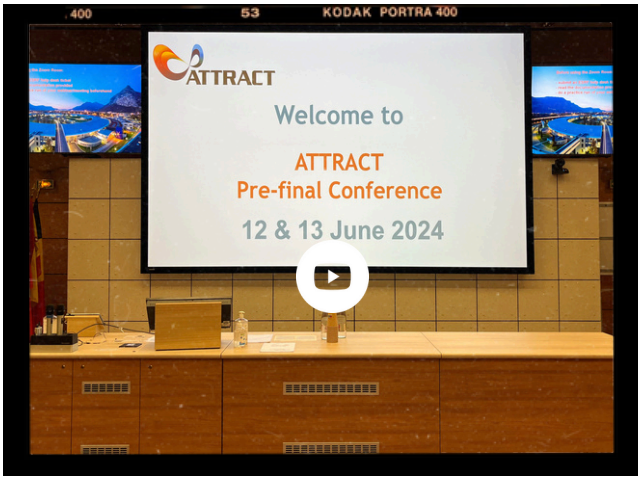
What is the idea behind the ATTRACT project?

Breakthrough technologies, especially coming from fundamental research, deepen our knowledge of nature and who we are.

But… how do these technological advances end up providing a better and more sustainable life for all of us?

ATTRACT phase 2 explanation

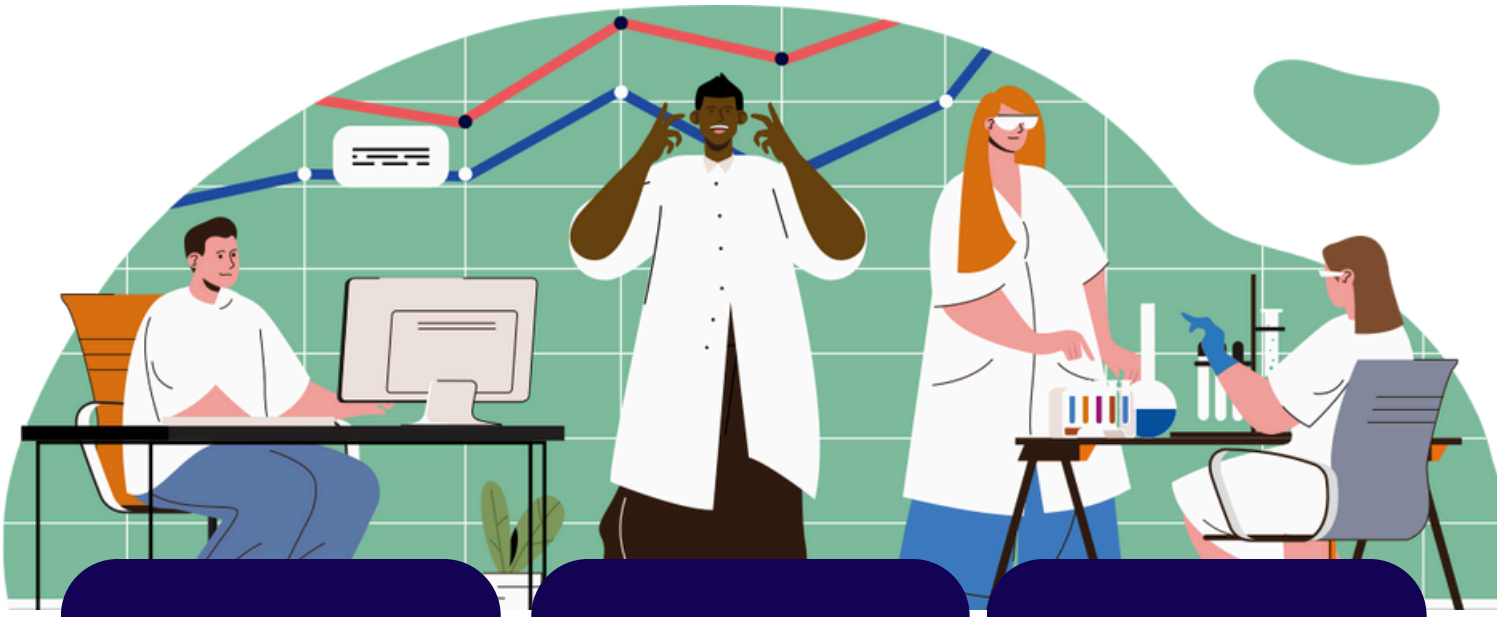
Jonathan Wareham, ATTRACT Project Consortium Board Member explains ATTRACT phase 2 and how it will contribute to research and society.



ATTRACT Pre-Final Conference

European Synchrotron Radiation Facility (ESRF), Grenoble - France

ATTRACT phase 2 in numbers



ATTRACT Academy

- **10** Student Programs
- **+1300** students
- **+145 s**tudent projects
- **+100** Teaching team
- **+15** institutions represented within the consortia

R&D&I projetcs

- **18** R&D&I projects
- **19** countries represented
- **+95** institutions represented within the consortia

Socioeconomic Studies

- **8** projects
- **10** countries represented
- **+25** institutions represented within the consortia

Student programs

R&D&I projects

Socioeconomic studies

ATTRACT Final Conference

The **ATTRACT Final Conference** serves as a dynamic platform, bringing together all key actors involved to showcase their achievements and impact. This event underscores ATTRACT's transformative role in fostering deep-tech innovation, bridging the gap between cutting-edge research and market-ready applications, and strengthening Europe's global competitiveness.

Participants will have a unique opportunity to gain firsthand insights into how the ATTRACT model has been implemented in practice. The conference will explore its key components, including **co-innovation mechanisms, collaboration frameworks, and innovation pathways.**

Through interactive discussions, expert panels, and presentations from researchers, entrepreneurs, policymakers, and industry leaders, attendees will gain a comprehensive understanding of how ATTRACT's methodology contributes to Europe's strategic objectives in scientific and technological sovereignty, economic growth, and sustainable innovation.

Preliminary Agenda

Wednesday, July 2, 2025

13:00 - 14:00	Welcoming lunch
14:00 - 14:30	Welcoming words by members of the ATTRACT committee
14:30 - 15:00	Keynote 1 (TBD)
15:00 - 16:00	Plenary Panel 1: **Draghi's Plan and the role of Research Infrastructures as innovation ecosystems drivers**
16:00 - 16:30	Poster exhibition
16:30 - 17:00	Conference photo
17:00 - 18:00	Walking Dinner

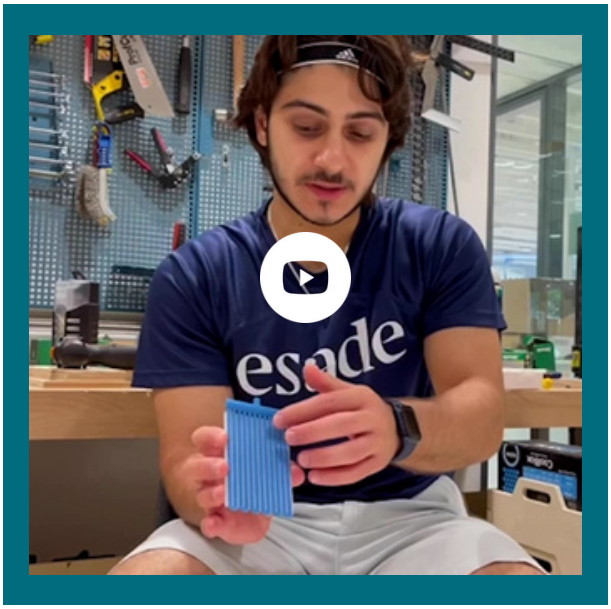
Preliminary Agenda

Thursday, July 3, 2025

09:00 - 09:30	Keynote 2 (TBD)
09:30 - 10:30	Breakout sessions
Session 1:	**How can Europe retain and attract young talent?** *Elevator pitches by ATTRACT students followed by a panel discussion.*
Session 2:	**How to overcome the Valley of Death for Deep Tech?** *Elevator pitches by ATTRACT entrepreneurs followed by a panel discussion.*
10:30 - 11:00	Coffee break
11:00 - 12:30	Workshop
12:30 - 14:00	Lunch
14:00 - 14:30	Keynote 3 (TBD)
14:30 - 15:30	Plenary Panel 2: **Research Infrastructures in FP10**
15:30 - 17:00	Networking cocktail

ATTRACT Academy

ACISS program



Visit the **website**

Objective: explore how ATTRACT technologies can tackle global challenges.

+210 students from 43 disciplines including aerospace, design, social studies, and astronomy.

+10 ATTRACT technologies were explored by students.

+25 students' projects that approach the design challenge from different angles, focusing on the technology and the human experience.

BASE program

Objective: develop innovative, user-centred solutions by integrating advanced smart technologies with sustainable environments.

+70 students from 29 disciplines used design methodologies to empathize with real users.

8 ATTRACT technologies were explored by students.

+10 student projects which demonstrated design methods and iterative testing can lead to impactful solutions.

Visit the **website**

CBI.ATTRACT program

Visit the **website**

Objective: develop an entrepreneurial mindset in students while ensuring the effective use of innovative technologies for real-world applications.

60 students from 3 universities working in multidisciplinary teams.

10 ATTRACT technologies were explored by students.

10 students' projects addressing societal challenges aligned with the United Nations Sustainable Development Goals (SDGs).

CBI A3 program

Objective: equip students with the skills to develop future-oriented solutions by integrating deep technology, design, and engineering to address global sustainability goals.

40 students from across three continents who engage with researchers and refine their approaches.

10 ATTRACT technologies were explored by students.

+10 student projects exploring the intersection of deep technology, future thinking, radical innovation, and societal needs.

Visit the **website**

CBI Fusion Point program

Visit the **website**

Objective: empower students to develop innovative solutions to real-world challenges by integrating ATTRACT technologies and focusing on the SDGs.

+70 students from 21 to 49 years old and from more than 15 nationalities.

6 ATTRACT technologies were explored by students.

+10 students' projects tackling health, air pollution and water contamination (SDGs 3, 6 & 11).

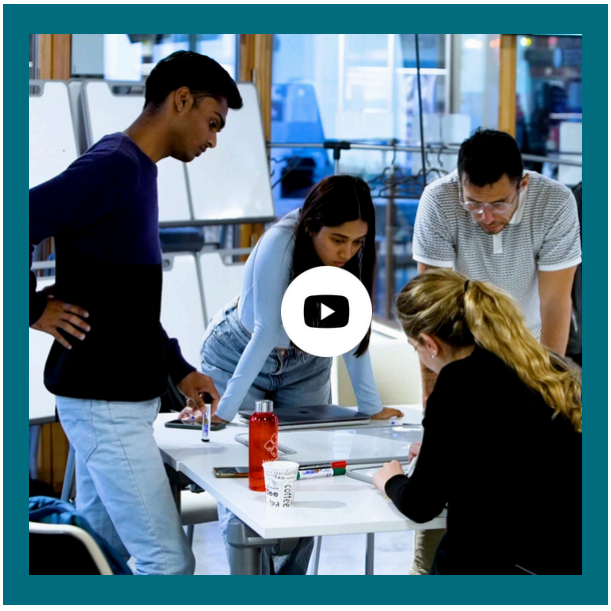
CBI4AI program

Objective: bridge AI advancements with societal needs by developing ethical, sustainable, and user-centred AI applications using ATTRACT technologies.

+90 students from 23 to 35 years old and from more than 15 nationalities.

6 ATTRACT technologies were explored by students.

+15 student projects tackling water use and efficiency & industry, innovation & infrastructure (SDGs 3, 6 & 9).



Visit the **website**

FTSF program

Objective: explore the intersection of fashion and technology to develop sustainable solutions addressing challenges such as environmental impact and resource scarcity, among others.

Visit the **website**

39 students between designers, engineers and architects.

3 ATTRACT technologies were explored by students.

+10 students' projects focused on textile & fashion production processes, sustainable product development, and related areas.

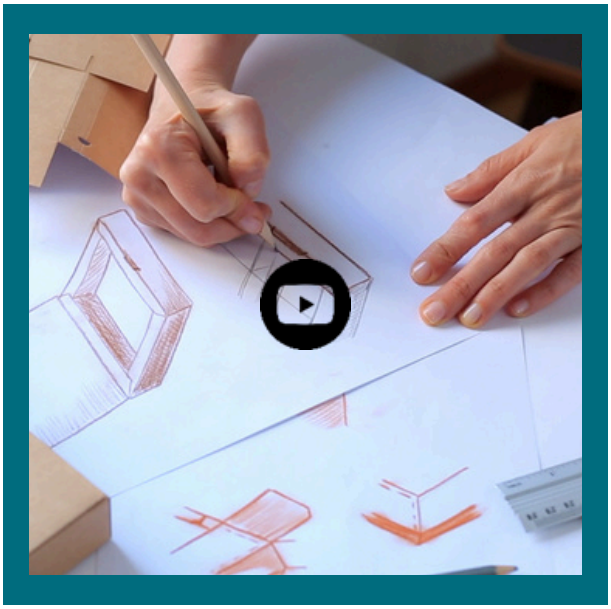
SGI program

Objective: apply design thinking methodologies to foster creativity, collaboration & problem-solving in technology-driven challenges, with emphasis on deep problem exploration before solution development to ensure impactful innovation.

+90 students who engaged with users & stakeholders to refine their understanding and enhance the relevance of their solutions.

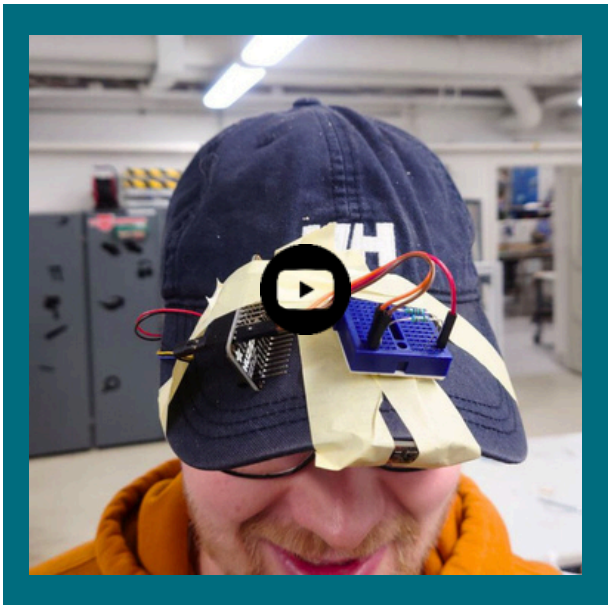
6 ATTRACT technologies were explored by students.

+15 student projects made through a relay between courses.



Visit the **website**

SPOT program



Visit the **website**

Objective: equip students with systemic and human-centred approaches to innovation by exploring the societal impact of emerging technologies in engineering and design.

+500 students from multiple engineering disciplines such as Marine Technology, Product Development, Arctic Technology etc.

7 ATTRACT technologies were explored by students.

70 individual submissions which is a compilation of the experimental prototypes.

TeSI program

Objective: bridge scientific research and real-world applications by exploring disruptive uses of cutting-edge technologies to address critical societal challenges.

+80 students from 23 to 35 years old and from more than 14 nationalities.

9 ATTRACT technologies were explored by students.

+15 student projects tackling societal problems health, agriculture, pollution, etc.

Visit the **website**

R&D&I projects

AHEAD project

Visit the **website**

It focuses on developing 3D-printed pipe segments with integrated heating and sensing functions, designed for in situ measurements and energy harvesting in demanding environments such as space and industrial thermal management systems.

Applications: enhancing thermal management for satellite platforms (Mechanically Pumped Loops) and improving CO_2-based industrial refrigeration systems, contributing to efficiency and energy savings.

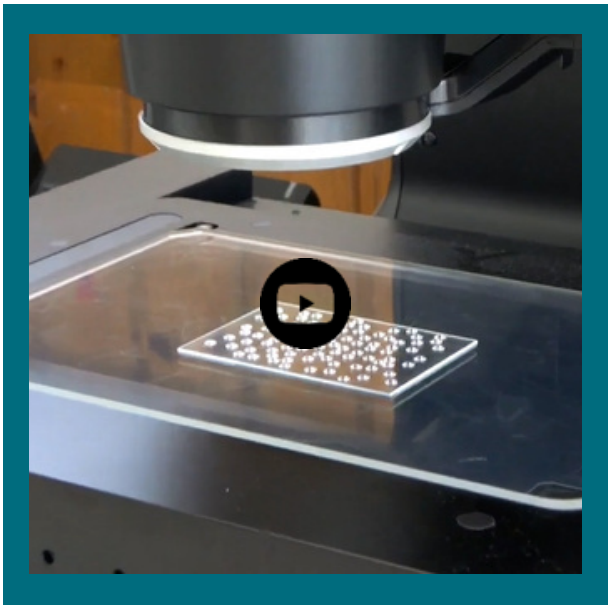
Key milestones: achieved TRL7 through system-level tests, the team presented advancements at key industry events like **Space Tech Bremen, ECSSMET, and World Advanced Manufacturing Symposium**, among many others.

Glass2Mass project

It revolutionizes glass processing by integrating Glassomer Technology with ultraviolet nanoimprint lithography to produce high-quality optical components from fused silica, the purest form of glass. It aims to make glass structuring scalable and cost-effective, providing a viable alternative to traditional moulding.

Applications: it enables the mass production of high-quality optical components, such as microlens arrays, which could be used in photonics, microsystems, sensors, and photonic package integration.

Key milestones: the research team has actively promoted its technology, engaging with potential users & industry leaders. They showcased their progress at **SPIE Photonics West in San Francisco**, a key event for scientists, industry professionals, etc.



Visit the **website**

H3D-VISIOnAiR project

It develops a head-worn augmented reality system for surgeons, integrating multi-spectral imaging and AI-based segmentation to enhance real-time visualization of critical anatomical structures, reducing surgical risks and improving precision.

Applications: the system assists in surgical interventions by enabling **real-time detection of nerves and adipose tissue**, reducing the risk of damaging healthy structures. It integrates with operating room infrastructure for remote peer support and real-time surgical visualization.

Key milestones: the project has advanced towards a TRL6 demonstrator, with a contactless 2D spectral dataset of human nerve and adipose tissues, integrated hardware and embedded software.

Visit the **website**

h-cube project

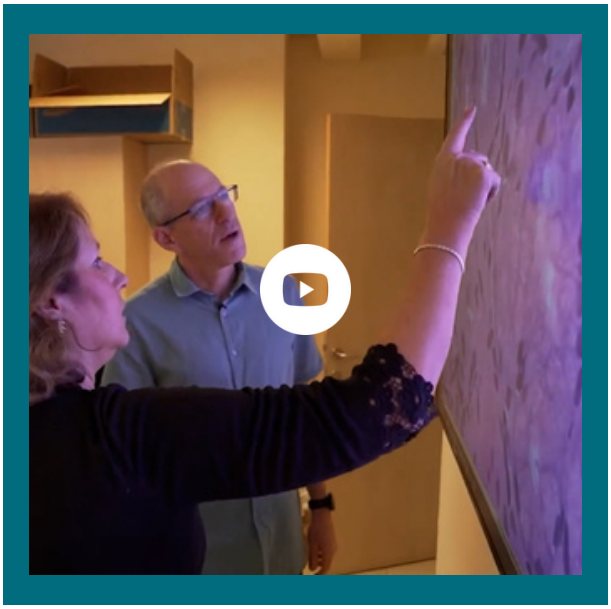
It develops a low-cost, portable hyperspectral camera operating in the terahertz (THz) range, using micromechanical resonators and smart radiation absorbers to enhance imaging for security, healthcare, and quality control applications.

Applications: the technology enables **better image and material contrast** and chemical specificity for manufacturing inspection (food, pharma, industrial goods), security screening (borders, events), and logistics.

Key milestones: the team has fabricated four pixels with different spectral absorption and is working on a sensor matrix for active THz imaging. Commercialization efforts include startup creation and technology licensing to THz solution providers.

Visit the **website**

HipMed project



Visit the **website**

It develops a hyperspectral imaging system that enables faster, more accurate cancer diagnosis on a single slide by mapping multiple biomarkers simultaneously, integrating AI-based analysis and advanced optics to support pathologists.

Applications: it facilitates **rapid cancer diagnosis for conditions such as lung cancer, lymphoma, prostate cancer, kidney cancer, & melanoma**. By reducing the need for multiple slides, accelerates time to treatment, enhances accuracy in complex cases & reduces pathologists' workload.

Key milestones: the project has developed a functional hyperspectral scanner prototype with proprietary optics & analysis software. A clinical study on lymphoma is underway, using an 8-marker staining panel. Besides, the team is presenting findings at conferences & refining strategies.

HYGER project

It develops high-sensitivity germanium-based photodiodes for NIR and X-ray detection, scaling up Phase 1 innovations for industrial and commercial applications in scientific instruments, medical diagnostics, and night vision.

Applications: HYGER's technology **improves scientific instruments, medical imaging & night vision** by enabling better sensitivity & detection capabilities. It also has potential applications in precision farming, monitoring water, moisture, and chlorophyll levels.

Key milestones: HYGER has developed photodiodes with record-low dark current and a high-purity germanium detector module. The technology is being integrated into Baltic Scientific Instruments products, with industry negotiations underway.

Visit the **website**

HYLIGHT project

It aims to improve embryo selection in In Vitro Fertilization (IVF) by developing a non-invasive diagnostic device that assesses embryo viability based on metabolic profiles. This tool enhances success rates while reducing risks and costs.

Applications: it improves IVF efficiency, reducing treatment costs which currently range from €6,000–€30,000 and **making fertility care more accessible**, especially in privately funded systems.

Key milestones: HYLIGHT introduced **METAPHOR**, an AI-powered diagnostic tool with over 90% accuracy in embryo viability assessment, published in PNAS. The team presented advancements at major conferences, strengthening collaborations. In 2024, the **spin-off Lumiris** was launched, securing investment for clinical validation.

Visit the **website**

IALL project

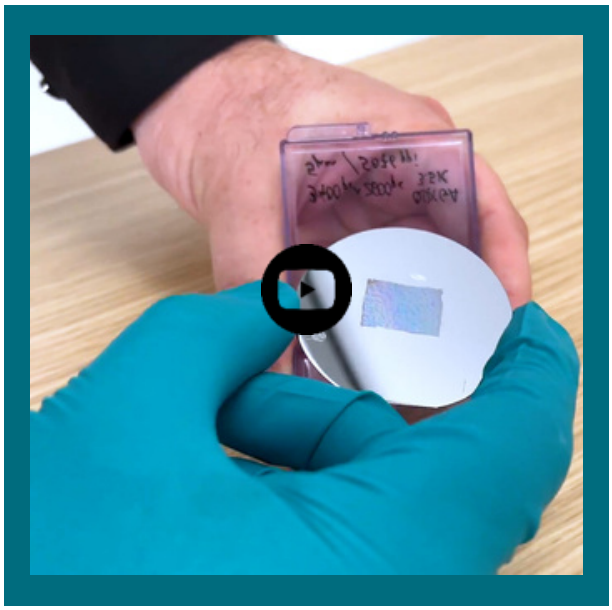
It develops an advanced imaging system by integrating liquid crystal lenses with cameras and microcontrollers, eliminating mechanical components to enhance focusing speed, durability, and efficiency for various imaging applications.

Applications: the technology can improve surveillance cameras, microscopes, machine vision systems & real-time 3D imaging, enhancing precision, adaptability, and dynamic image capture for fields like medical imaging, industrial inspection, and 3D mapping.

Key milestones: the research team presented project advancements at **SPIE Photonics West and Europe**. Moreover, **a patent was granted** and UPM's SECPHO membership opened collaboration opportunities with companies in eyewear, wavefront cameras, and AR/VR.

Visit the **website**

MEGAMORPH project



Visit the website

It develops graphene-based display technology to enhance AR/VR/XR and wearable devices, offering ultra-high resolution, energy efficiency, and scalability overcoming limitations in power consumption and performance through GMOD® technology.

Applications: the **technology revolutionizes AR/VR/XR**, automotive and aviation head-up displays, smartwatches, and smartphones, offering superior image quality with reduced power consumption.

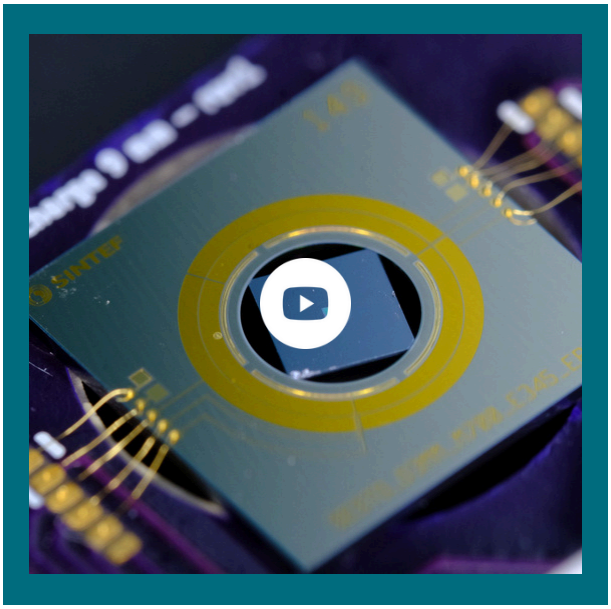
Key milestones: MEGAMORPH showcased GMOD® technology at SID Display Week and the Tallinn Digital Summit, gaining industry interest. The project advances metasurface films for scalable displays & supports SCALE Nanotech's **spin-out, Dragon Elements, which launched LATIDO® capsules**, a graphene-based alternative to screens and speakers.

MetaHiLight project

It develops a compact AI-powered digital histopathology tool using MEMS, nanotechnology & metamaterials to enhance real-time, non-invasive disease diagnostics, making advanced imaging more accessible in hospitals and resource-limited environments.

Applications: the technology improves cancer diagnostics by analyzing light polarization changes in biological tissues, reducing the need for manual analysis and **enabling faster, more precise disease detection** in hospitals, clinics, and low-resource settings.

Key milestones: MetaHiLight won 2nd place for Best Innovation at SPIE Photonics Europe 2024 and **secured EIC Pathfinder Open 2024 funding**, selecting OPTIPATH as its continuation project.



Visit the website

Visit the **website**

MicroQuaD-Material science project

It develops the first commercial SNSPD-based microscopy system, combining multimode superconducting nanowire single-photon detectors & high-resolution TCSPC electronics to enable ultra-fast, high-precision fluorescence imaging for life sciences and material sciences.

Applications: the technology **enhances microscopy and material science characterization**, enabling ultra-broadband applications, multichannel time tagging, and detection.

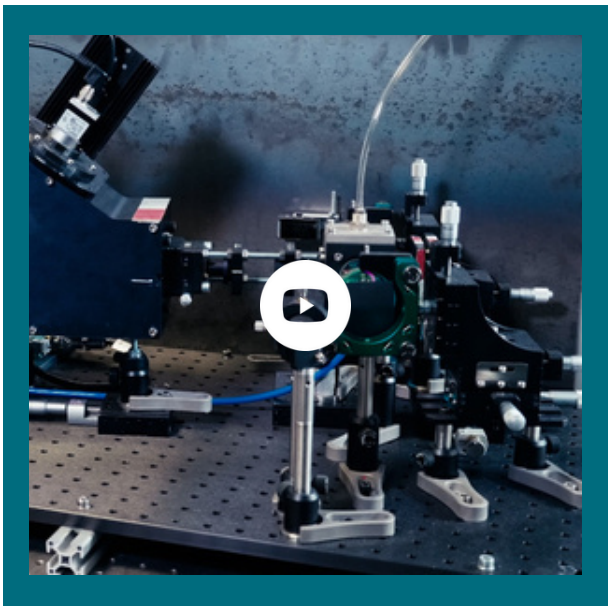
Key milestones: MicroQuaD validated its broadband SNSPD system and multichannel TCSPC electronics (TRL5-6) and began testing a multielement detector (TRL2-3). Material science validation is in progress & commercialization has started, with one ultra-broadband SNSPD system already sold.

PiPe4.0 project

The project develops a real-time gas monitoring system to assess the quality and composition of hydrogen-enriched natural gas, biomethane, and biogas, improving safety and efficiency in distribution networks.

Applications: the system provides accurate gas composition & and calorific value measurements, offering a low-cost alternative to gas chromatography. It **is used in fuel gas distribution, biogas plants, and hydrogen injection systems**, ensuring continuous monitoring and leak detection with self-powered sensors.

Key milestones: the Gas Monitoring Unit reached TRL8 & is ready for commercialization, with initial orders received. Moreover, two pilot installations are in testing, ATEX certification was completed (Jan 2024) & metrological certification is expected by early 2025.



Visit the **website**

POSICS-2 project

It develops a wireless, portable camera system for radio-guided surgery (RGS) to improve tumour detection accuracy, reduce surgery time, and minimize patient impact.

Applications: the project **focuses on Sentinel Lymph Node Biopsy**, a critical procedure for the early diagnosis of breast cancer & melanoma. It aims to improve patient quality of life during and after surgery.

Key milestones: the team **filed a patent** with Université de Genève & Fondazione Bruno Kessler. They also attended ISSW 2024 & the coordinator completed Innosuisse Business Concept Training. They are collaborating with Geneva Hospital's School of Surgery for product feedback.

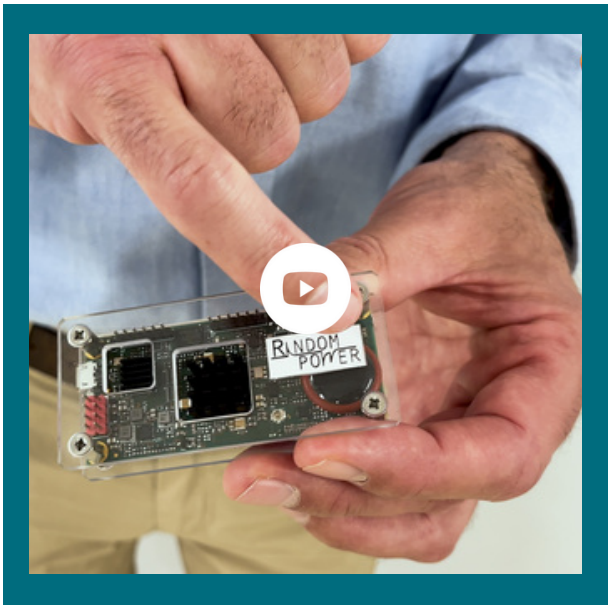
Visit the **website**

Random Power project

This project uses quantum mechanics to generate an unpredictable and inviolable stream of random bits, forming strings of virtually infinite length at the base of any cryptographic process. This ensures the privacy and security of digital life.

Applications: it **enhances security in industrial IoT & defence** by providing true randomness for encryption & cryptographic key generation. It also supports obfuscation techniques such as Differential Privacy and ORAM, ensuring stronger data protection.

Key milestones: in 2024, the team **produced and validated its ASIC**, confirming its unique capabilities. In addition, they finalized the single-generator board from phase 1, secured PNRR funding (Italy), and are preparing for a 2025 market launch while raising investment.



Visit the **website**

SNIFFIRDRONE project

It develops a drone-based system for real-time air pollution and odour monitoring in wastewater treatment plants (WWTP), using multi-gas sensors, infrared optoelectronics, and AI to create high-density 3D pollution maps & support public health initiatives.

Applications: the system is designed for WWTP odour and pollution monitoring, detecting H_2S, NH_3, CO_2, and CH_4 emissions. It **provides real-time reports & alarms for plant operators**, enhancing pollution management and mitigation.

Key milestones: SNIFFIRDONE reached TRL7, developed 3D pollution & odour mapping, **secured a national patent** and launched an international PTC application. Besides a workshop in Valencia engaged industry companies to showcase the system & explore commercialization opportunities.

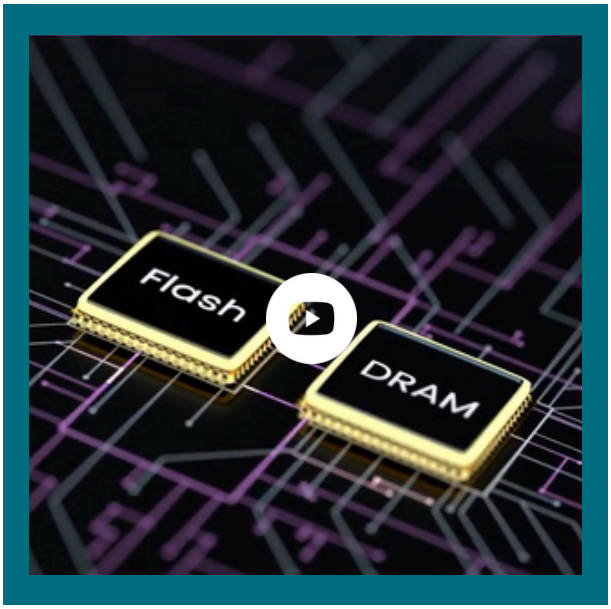
Visit the **website**

ULTRARAM project

It develops a non-volatile memory that combines the speed of DRAM with the data retention of Flash, offering ultralow energy consumption & robust data storage. It aims to reduce ICT energy use & carbon emissions, addressing the growing demand for energy-efficient digital infrastructure.

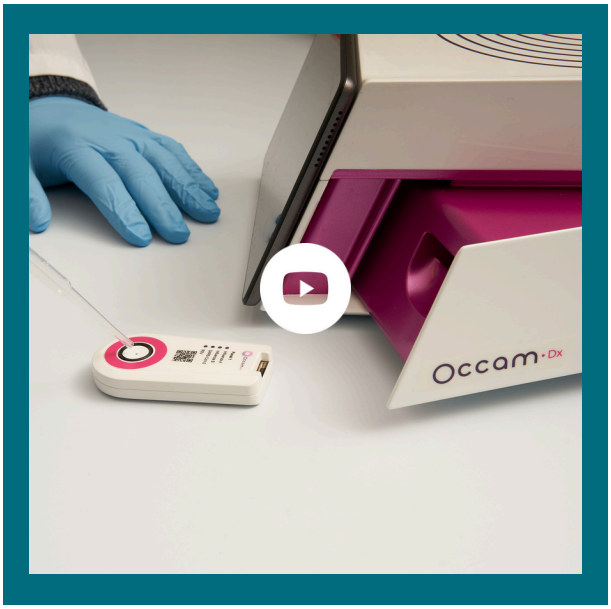
Applications: it is designed for **space, quantum computing, defence, IoT & data centres**, offering low energy consumption, high endurance & stability in extreme conditions. It also supports AI in-memory computing and radiation-resistant space applications.

Key milestones: Lancaster University launched **Quinas Technology** to commercialize ULTRARAM™, winning multiple awards. The team showcased advancements at FMS 2024 & the UK National Quantum Technologies Showcase, moving toward BT data centre integration.



Visit the **website**

UNICORN Dx project



It develops an innovative sensing platform for single-particle biomarker detection, enabling rapid & modular disease diagnostics. Initially targeting acute respiratory infections, it aims to improve point-of-care testing and shift healthcare towards prevention.

Applications: it will help to identify the cause of diseases but also facilitate the selection of appropriate therapies, marking a shift towards preventive healthcare.

Key milestones: UNICORN Dx achieved a **clinical proof-of-concept** for single-virus & bacterium detection & developed an integrated multimodal detection chip. It is progressing towards a clinical validation study at a major Dutch microbiology lab.

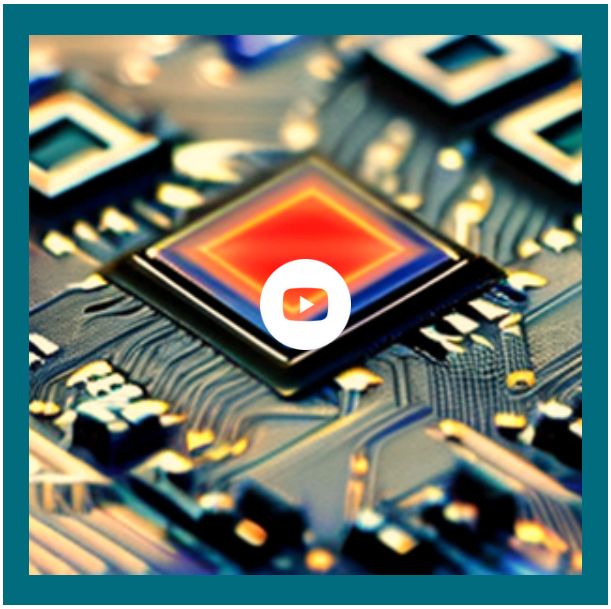
Visit the **website**

VISIR2 project

It develops a dual-band solid-state imager that captures both visible (VIS) & short-wave infrared (SWIR) light using a single sensor. This technology enables cost-effective, high-performance imaging for applications in automotive, industrial automation & environmental monitoring.

Applications: VISIR2 is designed for front-looking cameras, driver monitoring, and non-spectral plastic and textile discrimination enabling enhanced imaging for automotive, industrial, and environmental applications.

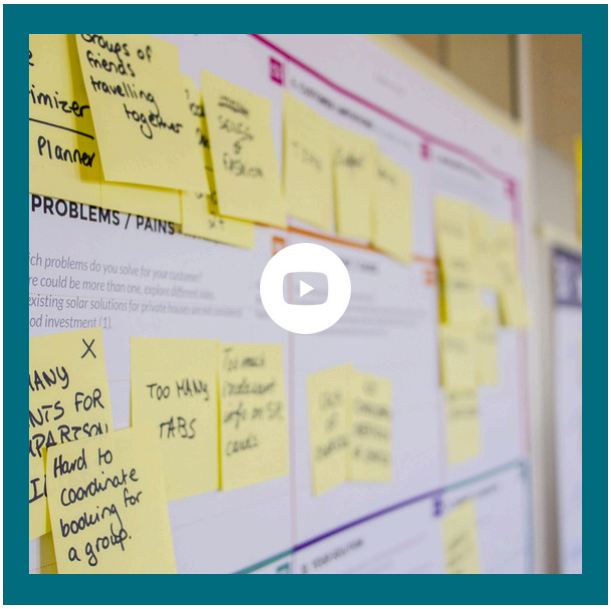
Key milestones: it is developing a **VGA-resolution VIS/SWIR camera prototype** targeting TRL7, with real-world testing in automotive environments.



Visit the **website**

Socioeconomic Studies

ABC4E project



It explores how psychological flexibility training using Acceptance Commitment Therapy (ACT) enhances scientists' open innovation attitudes & collaboration, overcoming barriers to interdisciplinary, inter-functional, and inter-organizational knowledge exchange in research environments.

Research approach: a quasi-experimental study with pre- and post-training evaluations tested the first ACT intervention for scientists. Five training iterations refined the approach, showing that six hours were needed for behavioural change & emphasizing collaboration and research impact.

Key findings: the training significantly **improved psychological flexibility**, leading to greater participation in interdisciplinary & industry conferences & training programs for firms reinforcing the connection between research impact and open innovation practices.

Visit the **website**

ATTRACT-EMDOI project

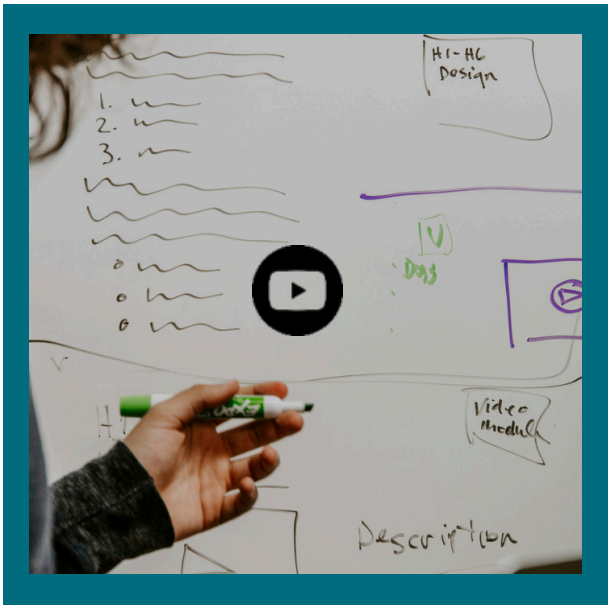
It examines how entrepreneurial mindsets, diversity in research teams & open innovation influence the commercialization of breakthrough technologies. It aims to enhance knowledge transfer, interdisciplinary collaboration & innovation ecosystems in ATTRACT phase 2.

Research approach: a mixed-methods study using 18 case studies, semi-structured interviews, and an ATTRACT-wide survey. It employs deductive and inductive coding to analyze diversity, entrepreneurial mindset, and open innovation in research and innovation projects.

Key findings: diversity & entrepreneurial mindsets help researchers identify market opportunities, while prosocial motivation increases innovation engagement. Outbound & coupled open innovation enhance commercialization, whereas inbound open innovation has a more limited impact.

Visit the **website**

CASEIA project



It evaluates how ATTRACT phase 1 funding influenced technological advancements & socioeconomic impacts, analyzing serendipity, knowledge spillovers, spin-offs, skills, social structures & broader innovation effects through three case studies.

Research approach: a case study analysis comparing two ATTRACT-funded projects with a non-funded control project. Methods included stakeholder interviews, literature review, and impact assessment across six key dimensions.

Key findings: a more structured approach is suggested to **foster serendipity & improve the measurement of socioeconomic impacts**. Also developing clearer success metrics focused on innovation, commercialization & socioeconomic benefits, along with setting consistent goals & using transparent evaluation methods.

Visit the **website**

COMPUTE IMPACT project

It analyzes the effects of computational technologies from Research Infrastructures (RIs), focusing on AlphaFold to assess its industrial and scientific impact and develop improved methodologies for evaluating RI-driven innovations in the life sciences sector.

Research approach: a case study analysis of AlphaFold, using stakeholder interviews, bibliometric analysis & archival research, explored tool development, diffusion & industry adoption to improve methodologies for evaluating RI-driven innovations.

Key findings: computational tools enhance **accessibility, collaboration & research efficiency**. AlphaFold validates experimental data & accelerates innovation, emphasizing the need for stronger industry engagement & improved methodologies to assess the impact of RI-driven technologies.

Visit the **website**

CORE project

Visit the **website**

It examines how social relationships influence knowledge flow, creativity, and collaboration within European Research Infrastructure (ERI) innovation ecosystems, analyzing how participants identify and utilize connections to drive innovation.

Research approach: using a mix of interviews and surveys, the research team engaged with various stakeholders, including R&D innovators, students & academic staff to gather insights on creativity patterns, innovation approaches & knowledge transfer tensions.

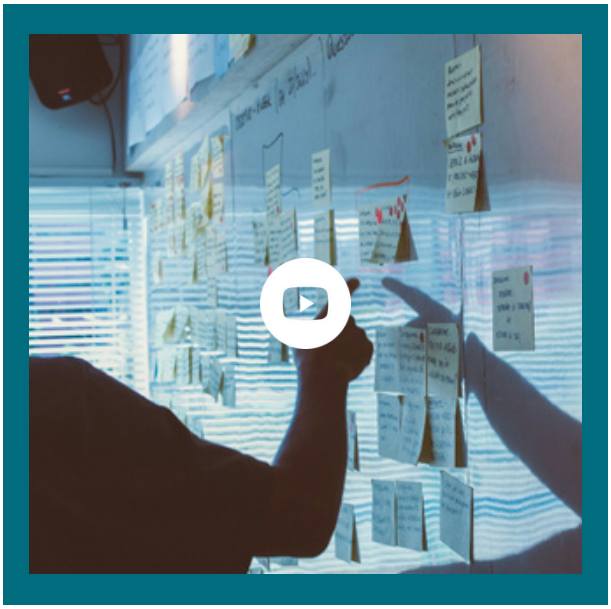
Key findings: the findings include varying perceptions of collaboration opportunities based on experience & role and the strategic importance of proximity in **fostering new collaborations**. Also, the tensions between structured consortia and the organic flow of knowledge in self-orchestrating networks.

ExSACT project

It aimed to streamline public investments in research infrastructure by improving intellectual property (IP) management, enhancing industry-academia collaboration & ensuring compliance with state aid regulations to support long-term knowledge transfer & commercialization.

Research approach: ExSACT conducted qualitative & quantitative analyses of IP transfer in joint R&D projects, reviewed international IP valuation methods & assessed the use of research infrastructure to refine state aid compliance strategies.

Key findings: most research projects generate IP, but licensing remains limited. **Patenting delays & regulatory costs hinder commercialization.** Standardized contracts, IP valuation methods & policy recommendations improve research-industry collaboration & state aid compliance.



Visit the **website**

NEXT project

Visit the **website**

It explores experimental methods to improve science commercialisation initiatives. It addresses gaps in innovation policy by testing interventions that enhance researcher-business collaboration, knowledge exchange, and the impact of public investments.

Research approach: the study developed a Handbook of Experimentation in University-Industry Collaboration through literature reviews, structured interviews & co-creation workshops. It also piloted interventions via the University-Industry Impact Accelerator, offering structured training and tailored support.

Key findings: NEXT demonstrated the feasibility of experimental methods in science commercialisation, developing scalable frameworks & pilot trials. Findings provide a foundation for **evidence-based innovation policies**, with one experiment launched & two securing funding.

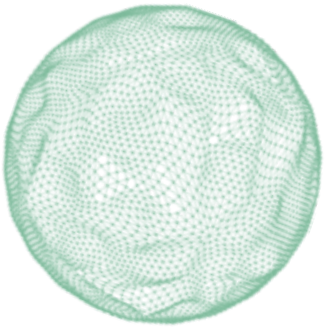
NEXTGEN-TECH-ED project

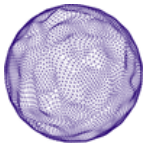
It investigates how science-based entrepreneurship education enhances knowledge circulation & commercialization, focusing on didactical design principles to optimize innovation ecosystems within research infrastructures and universities.

Research approach: the project conducted three studies: assessing Entrepreneurial Self-Efficacy (ESE) in ATTRACT phase 2 R&D&I projects, identifying commercialization challenges through interviews & defining science-based entrepreneurship education principles via expert consultations and validation exercises.

Key findings: ESE is crucial for commercialization & requires education & training. The study highlights the **need for authentic ecosystem interactions**, support structures & tailored entrepreneurship education principles distinct from general business-oriented approaches.

Visit the **website**





Legal Disclaimer

The European Commission's support does not constitute an endorsement of the contents, which only reflects the views of the author. The Commission is not responsible for any use of the information contained therein.

This project has received funding from the European Union's Horizon 2020 research and innovative programme under grant agreement No. 101004462