



Chief Scientist
for
Research, Innovation
and Technology



RESEARCH
& INNOVATION
FOUNDATION

HARNESSING INNOVATION FOR A SAFER FUTURE: CYPRUS' VISION FOR HARM REDUCTION ACROSS SECTORS

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the Republic of Cyprus.

Chairman of the National AI Taskforce.





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CYPRUS NATIONAL STRATEGY FOR RESEARCH & INNOVATION (2024-2026)





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VISION: TRANSFORM CYPRUS INTO A DYNAMIC, KNOWLEDGE-BASED ECONOMY

Strategic Collaboration:

Deputy Ministry & RIF.

Four Strategic Pillars

- Research Excellence
- R&D as a Growth Engine for SMEs
- Empowering People as Drivers of Growth
- Becoming a Regional Leader in Research and Innovation





SMART SPECIALISATION STRATEGY (S3CY) 2023-2030

Purpose

Guide R&I investments in high-impact sectors.

Technological Priority Areas

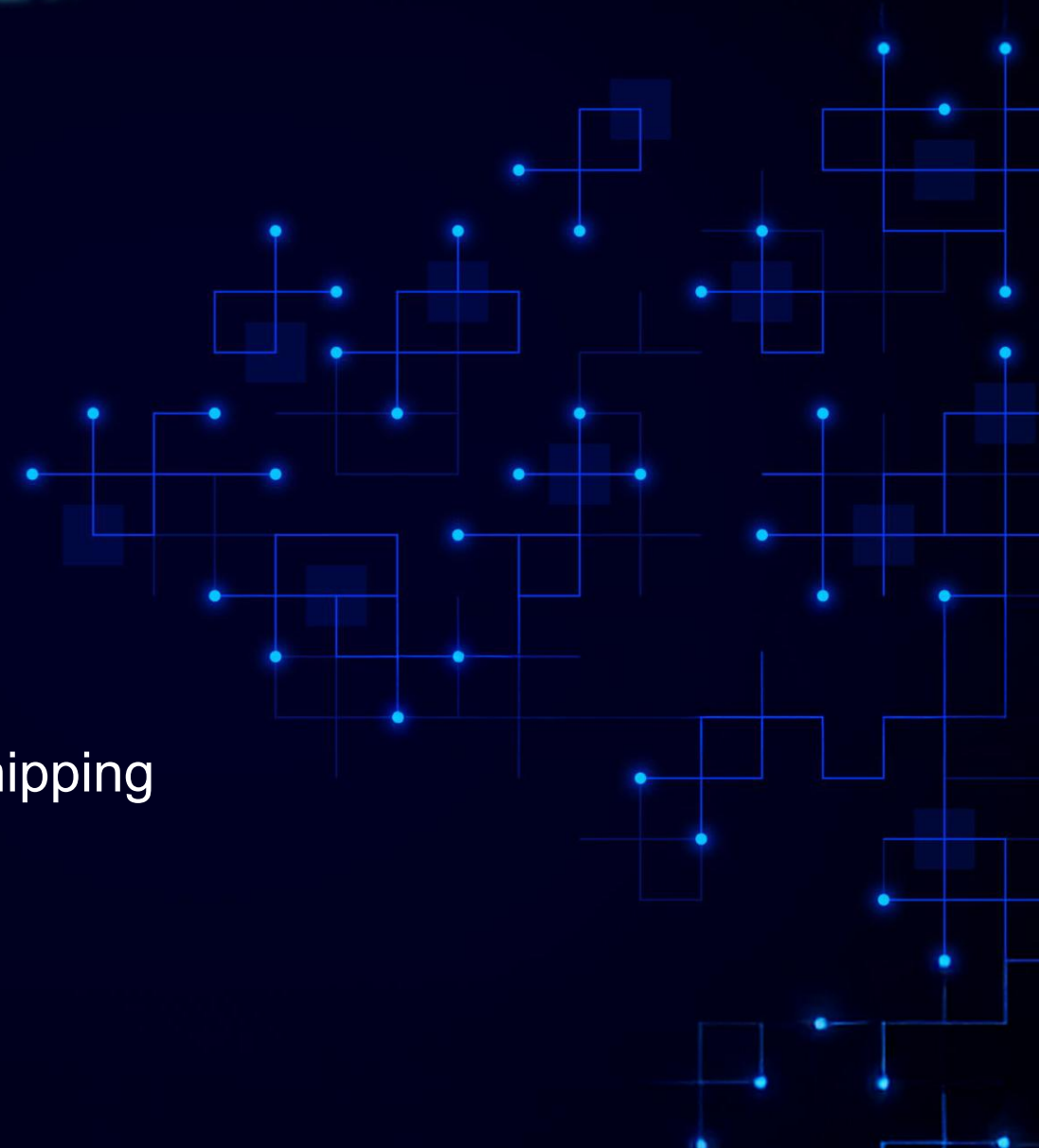
- Digital Technologies
- Advanced Materials

Key Ecosystems

- Agrifood, Renewable Energy, Maritime and Shipping

Emerging Ecosystem: Space sector

Horizontal Enablers: Health and Environment





STRATEGIC IMPLEMENTATION THROUGH RIF PROGRAMMES

RESTART 2016–2020

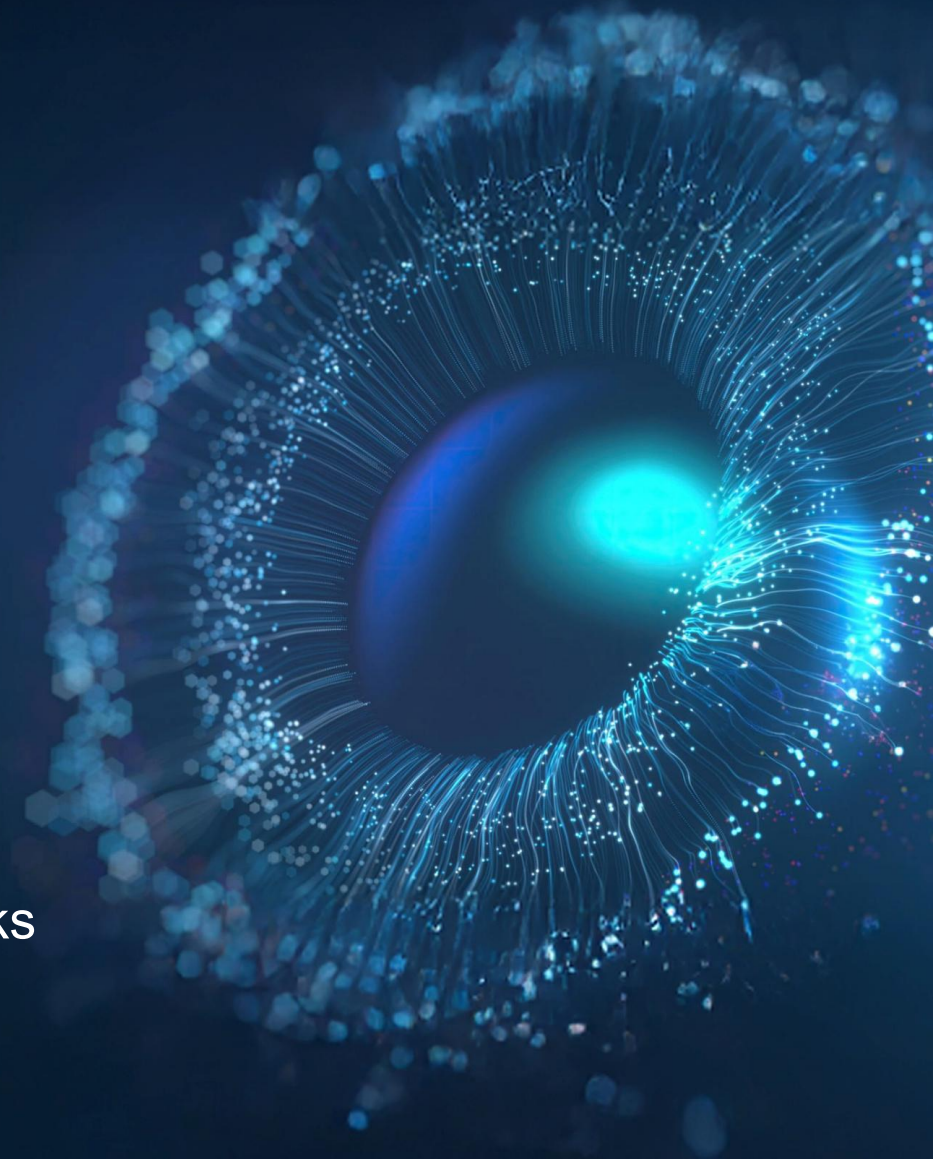
- Built foundations of Cyprus' innovation ecosystem

BRIDGE2HORIZON

- Aligns national efforts with EU's Horizon Europe

Programme Aims

- Promote collaboration between research and business
- Fund cutting-edge projects with commercial potential
- Increase Cyprus's participation in international R&I networks





SUCCESS STORIES & FUNDED PROJECTS

ENTERPRISES programme

- Over €6M invested in SME innovation

CO-DEVELOP

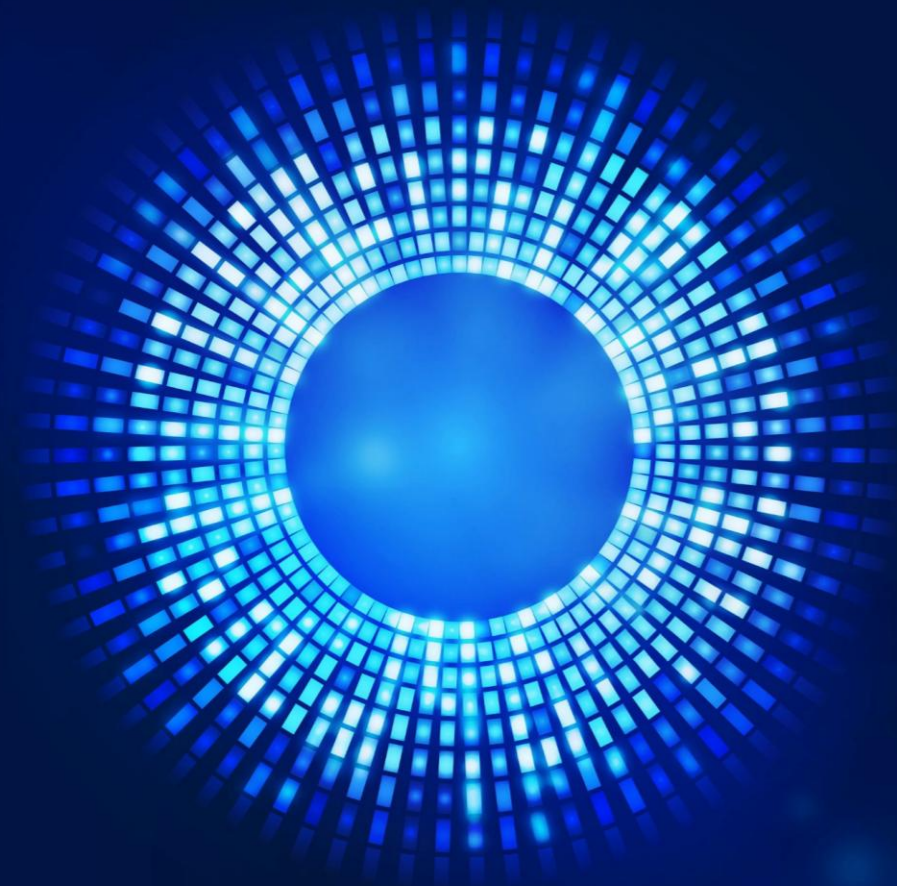
- Collaborative projects between academia and industry

Proof of Concept Grants

- Turning research into market-ready products

Innovation Vouchers

- Fast-track support for startups and SMEs





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HOW PUBLIC-PRIVATE PARTNERSHIPS & R&D DRIVE REAL-WORLD SOLUTIONS IN HEALTH, SUSTAINABILITY, MOBILITY & DIGITAL SAFETY





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PUBLIC-PRIVATE R&D PARTNERSHIPS IN CYPRUS

Framework

Ministry of Finance supports PPPs in strategic sectors

Recovery & Resilience Plan

Energy, mobility, digital upgrades

CSEO Space Cluster

High-tech collaboration with academia and startups

CARE-C

Climate and atmospheric research at Cyprus Institute





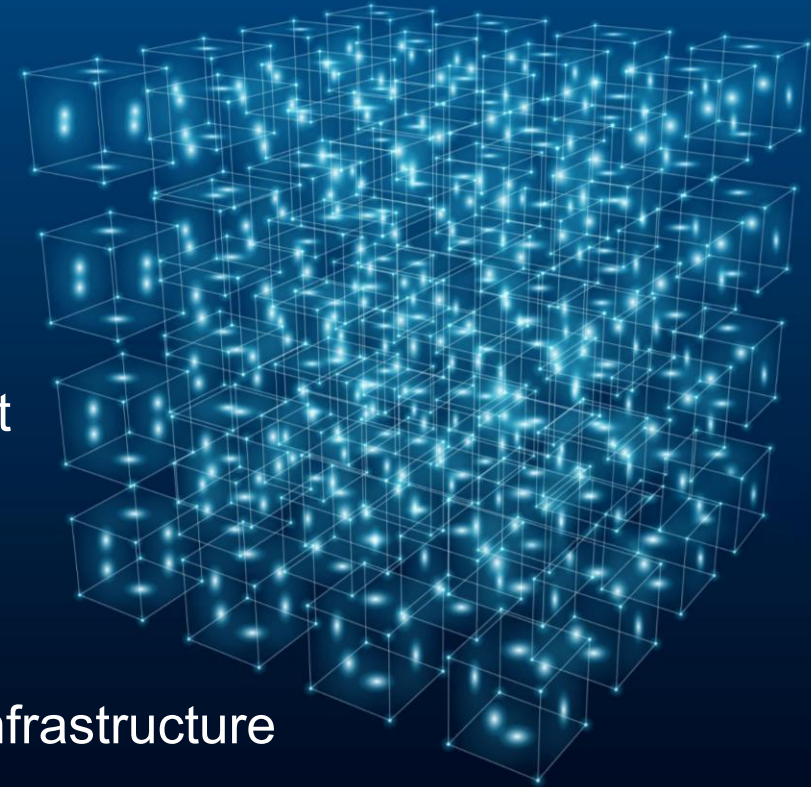
POLICY & GOVERNANCE STRUCTURE (2025)

Governance Structure

- Deputy Ministry: Policy leadership and strategy direction
- Chief Scientist: Strategy coordination and international alignment
- RIF: Implementation of funding, programs, and ecosystem support

National Digital Strategy (2020–2025)

- Expanded in 2025 to include AI and cybersecurity pillars for R&I infrastructure
- Supports cross-government data sharing, digital platforms, and services





JOINT INITIATIVES & GLOBAL COLLABORATIONS (2025)

e-Government Expansion

- Over 30 new digital services launched by mid-2025
- Includes health, social insurance, and R&D licensing systems

International Partnerships

- Ongoing R&D collaborations with Israel, Japan, USA
- New MoUs signed with Greece and the UAE in early 2025
- Focus on AI, clean tech, and health innovation exchanges





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CYPRIOT INNOVATION INITIATIVES THAT REDUCE HARM

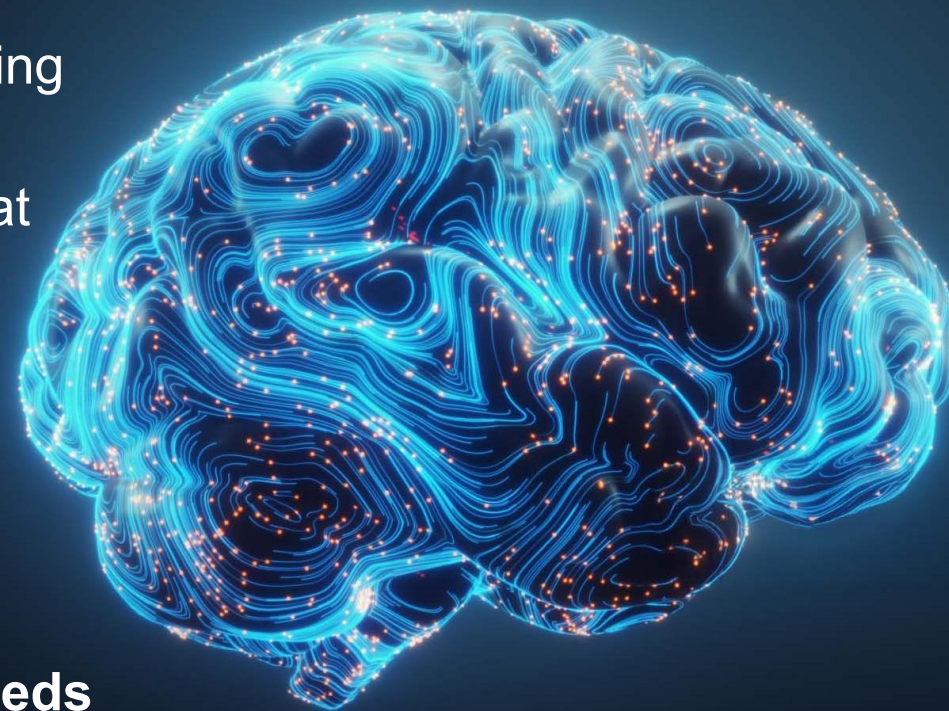


AI-enabled platform for early detection and rehabilitation of Alzheimer's and MCI, combining digital neurocognitive testing with real-time analytics.

Developed by the Center for Applied Neuroscience (CAN) at the University of Cyprus.

Harm Reduction

- Early detection enables timely intervention
- Non-invasive, tech-based monitoring
- Personalized therapy plans reduce long-term care needs
- Promotes independence and delays institutionalization



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EMBIO: BIOSENSOR INNOVATION FOR RAPID, ON-THE-SPOT DIAGNOSTICS

embio
diagnostics
DETECT EVERYWHERE

EMBIO & B.EL.D. Breath analysis biosensor for
early lung disease detection.

Harm Reduction

- Avoids harmful imaging methods
- Enables early-stage detection and intervention
- Increases accessibility to diagnostic tools
- Prevents severe disease progression



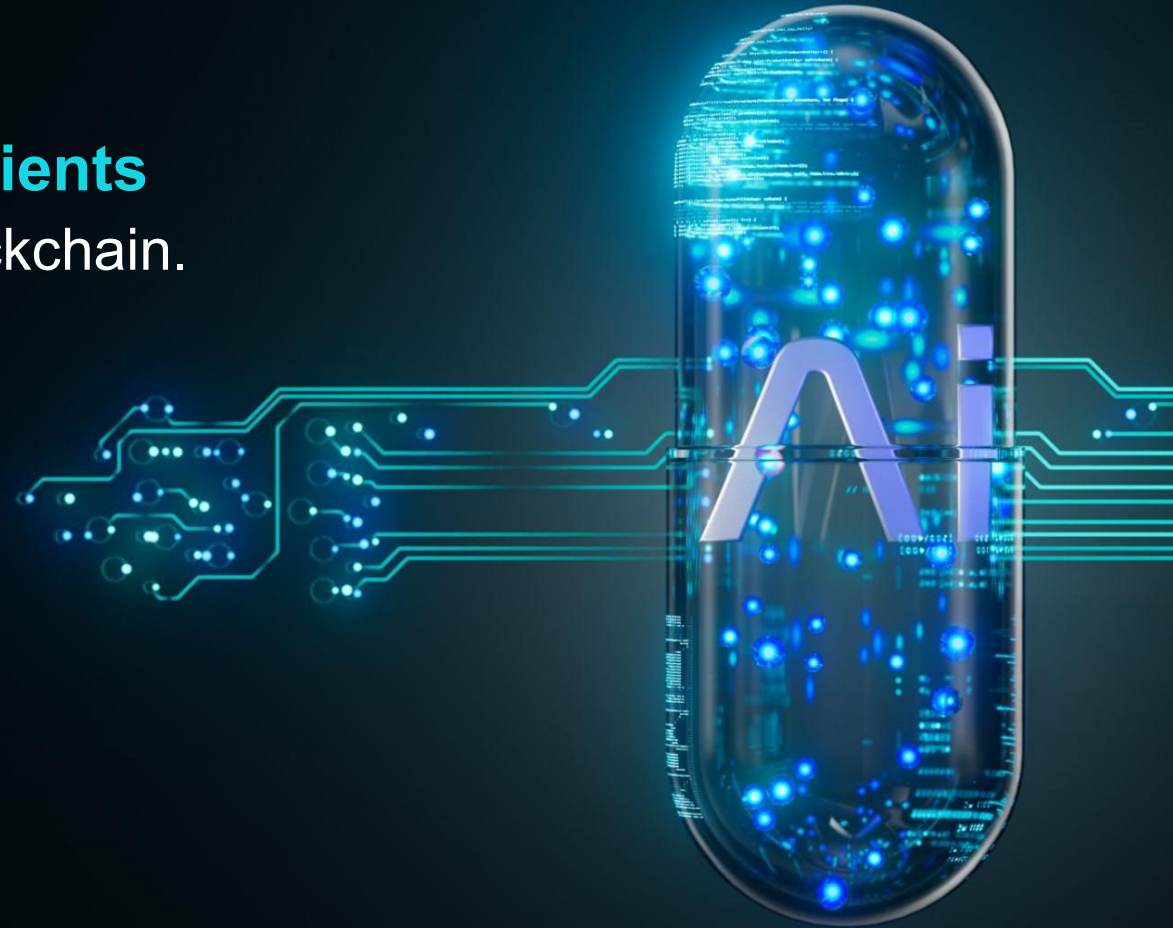
MYARIA APP – DCENTRIC HEALTH, GMI, CYPRUS SEEDS



MyAria App – Blockchain for Oncology Patients
Secures patient consent and engagement via blockchain.

Harm Reduction

- Strengthens data integrity and patient trust
- Reduces administrative and consent errors
- Enhances transparency and accountability
- Improves compliance and record-keeping



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AGORA 3.0 – GMI, THE CYPRUS INSTITUTE, UNIVERSITY OF CYPRUS

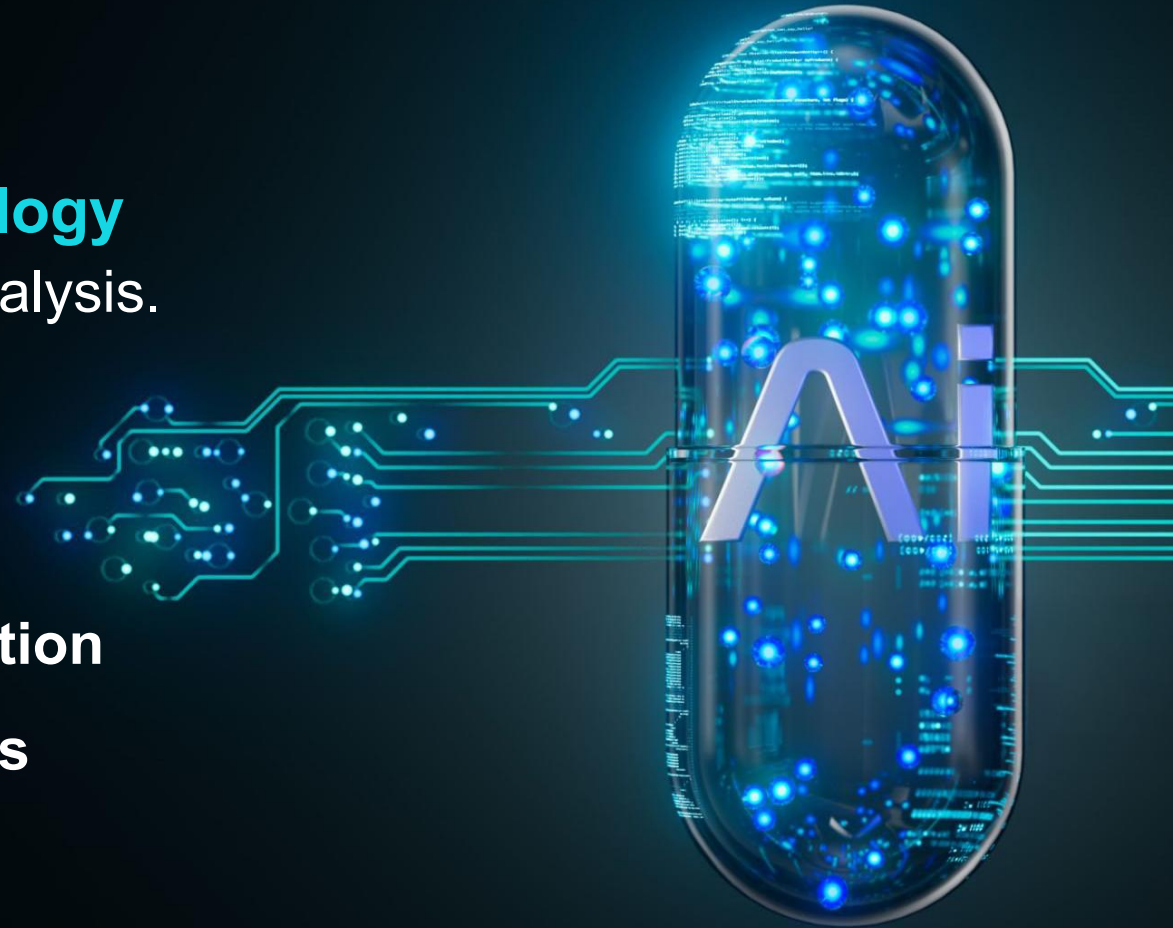
agor3.0

AGORA 3.0 – AI-Driven Personalized Oncology

Uses AI to enhance radiological and biomarker analysis.

Harm Reduction

- Improves diagnosis accuracy
- Prevents overtreatment through personalization
- Optimizes treatment decisions and outcomes
- Minimizes side effects and healthcare costs



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MEDISKIN – RSL REVOLUTIONARY LABS, PROMED BIOSCIENCE, THERAMIR, CUT

SEED/0719/0200
**medi
SKIN**

mediSKIN

Co-developed with Cyprus University of Technology.

Tests skincare interventions to **prevent radiation-induced skin injury** in cancer patients.

Harm Reduction:

- Minimizes discomfort and side effects
- Helps maintain continuous treatment
- Reduces need for additional medications
- Improves overall patient experience



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SOUNDPET – CUT, MEDSONIC, GERMAN ONCOLOGY CENTER



Cyprus
University of
Technology



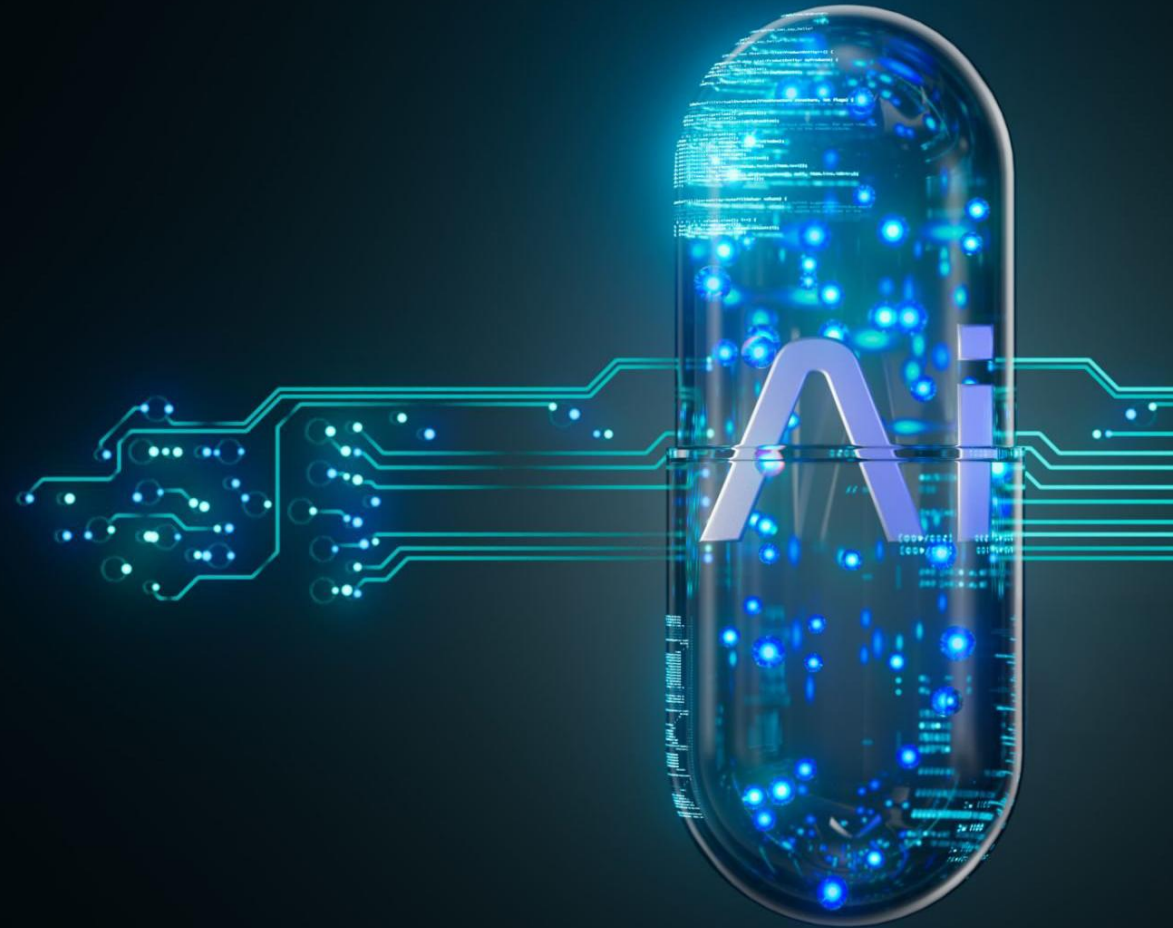
German
Medical
Institute

SoundPet

MRI-guided focused ultrasound technology.

Harm Reduction

- Replaces invasive surgical procedures
- Provides precise, targeted cancer therapy
- Shortens recovery and hospitalization
- Reduces surgical risks and complications



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