

DRIVING GROWTH ▲

Space Technologies R&D&I activities in Cyprus



Με τη χρηματοδότηση
της Ευρωπαϊκής Ένωσης
NextGenerationEU

Κύπρος — το αύριο

ΣΧΕΔΙΟ ΑΝΑΚΑΜΨΗΣ ΚΑΙ ΑΝΘΕΚΤΙΚΟΤΗΤΑΣ



Κυπριακή Δημοκρατία



ΙΔΡΥΜΑ
ΕΡΕΥΝΑΣ ΚΑΙ
ΚΑΙΝΟΤΟΜΙΑΣ

Cyprus Research & Innovation Foundation

RIF

The national authority in charge of supporting and promoting research, technological development and innovation in Cyprus

Funding & Services that can take you...



From idea
...test technologies
...idea to product
...product development
...go to market
...scale up
→ **INTERNATIONAL MARKETS**

Opportunity
to enter at
any time

Overview of Funding Programmes

Internationalisation

ENHANCING PARTICIPATION IN ERC/MSCA/EIC | BRIDGE2HORIZON
EUROPEAN PARTNERSHIPS | BILATERAL COLLABORATION

Research

EXCELLENCE HUBS | POSTDOC
PHD IN INDUSTRY

Collaboration &
Technology Transfer

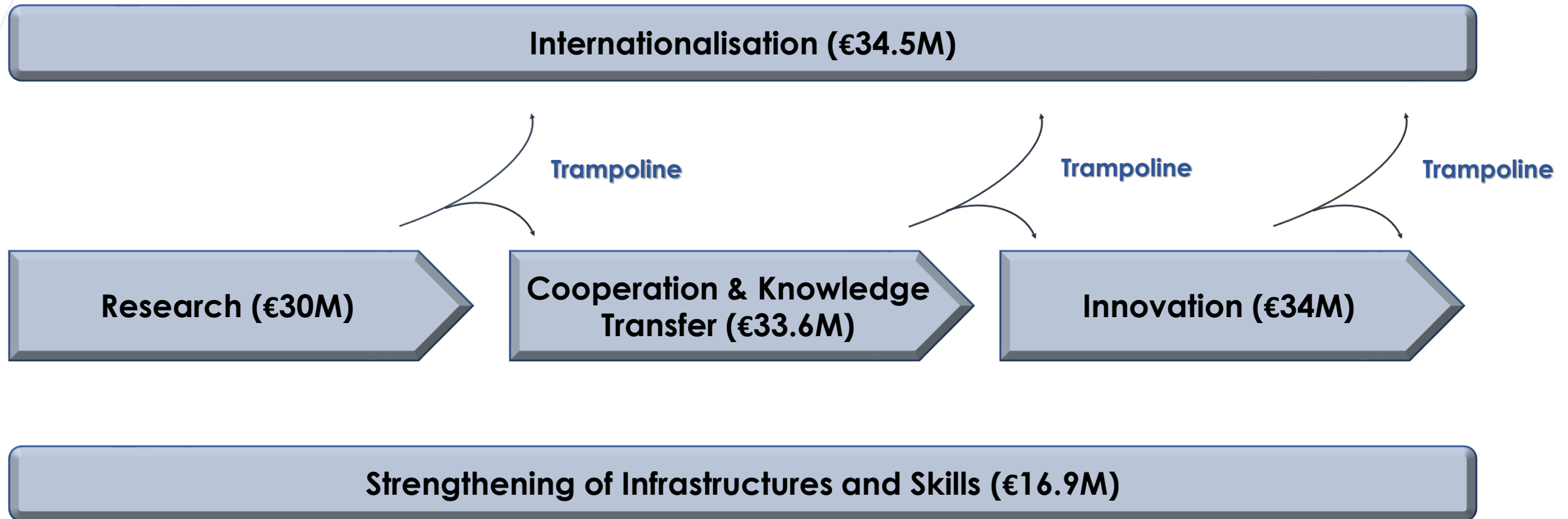
CO-DEVELOP | RESEARCH IN ENTERPRISES
PROOF OF CONCEPT

Innovation

PRE-SEED | SEED
INNOVATE | DISRUPT

Enhancing Infrastructures and Skills

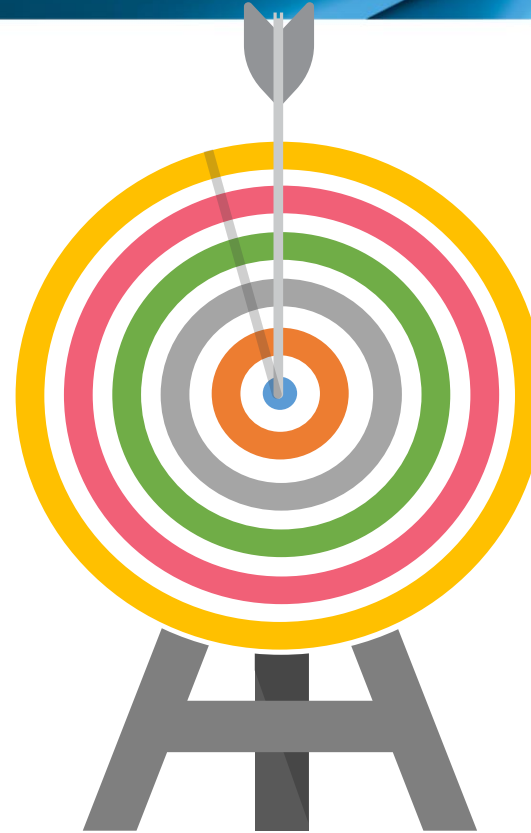
Trampoline Philosophy



Strategic Research Infrastructures

Creation of **new research infrastructures of strategic importance** which will be used for the implementation of a research project by the Consortium.

- Health: 2.500.000 Ευρώ
- Environment: 2.500.000 Ευρώ
- Shipping: 2.500.000 Ευρώ
- AgroFood: 2.500.000 Ευρώ
- **ICT (including Space Technologies): 2.500.000 Ευρώ**



Small Scale Research Infrastructures

Creation of **new or upgrading of existing research infrastructures** which will be used for the implementation of a research project by the Consortium.

Total Budget: €5,000,000

Bottom up

Total Budget: €17,500,000

► «Dual Use Technologies» Programme



Collaboration between an enterprise and a research organisation or another enterprise

Objective: to jointly design and develop solutions in the fields of dual-use technologies. Targeting 6 challenges as formulated by the Ministry of Defence

*Funding of civilian applications



▶ RIF Programmes

36 Projects

30 Enterprises
as HO and PA

7 Research
Organisations (incl.
Centres of
Excellence) as HO
and PA

3 Public
Organisations
as PA

1	CO-DEVELOP
5	Excellence
3	CONCEPT
2	DUAL USE
7	ENTERPRISES
4	INNOVATE
4	PRE-SEED
1	SEED
2	POST-DOC
3	RESEARCH INFRASTRUCTURES
4	OTHER



ERATOSTHENES CENTRE OF EXCELLENCE	EMTECH SPACE P.C (CY) Ltd	Center of Interdisciplinary Science Promotion and Innovative Research Exploration (InSPIRE)	CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	Marine and Environmental Research (MER) Lab Ltd
CLOUDWATER LTD	Geofrem Ltd	GEOIMAGING LTD	AMDM - Advanced Materials Design & Manufacturing Limited	GEONOSIS LTD
Frederick Research Center	Cyprus University of Technology	Geofem Limited	Space Systems Solutions (S3) Ltd	University of Cyprus
ADITESS ADVANCED INTEGRATED TECHNOLOGY SOLUTIONS & SERVICES LTD	G.A.I.A. GEOSPATIAL ARTIFICIAL INTELLIGENCE ANALYTICS COMPANY LIMITED	AETEX LTD	PERIOPSIS LTD	Cyprus Space Exploration Organisation (CSEO)

AMDM - Advanced
Materials Design &
Manufacturing Limited

Industrial Production and
Commercialization of NanoWeld -
Enhanced Technical Fabrics

Space Systems
Solutions (S3) Ltd

Anti DROne System

Geofem Limited

Early warning system for the structural
health monitoring of embankments &
levees using satellite radar technology

Geofem Limited

Global Geohazard Assessment using
Satellite Informatics Spatial Decision
Support System

INNOVATE



G.A.I.A. GEOSPATIAL
ARTIFICIAL
INTELLIGENCE
ANALYTICS COMPANY
LIMITED

Geospatial Artificial Intelligence
Analytics

PERIOPSIS LTD

Monitoring and mapping of illegal
dumping sites by means of satellite
services

AETEX LTD

Mass Spectrometer for Advanced
Investigations of the Atmospheric
Aerosol

CLOUDWATER LTD

PREcipitable WATER vapour Monitor

PRE-SEED



CLOUDWATER LTD

Multi-purpose GNSS Receiver

GEONOSIS LTD

SMART and FLEXible mobile DATA COLLECTOR for GIS

GEOIMAGING LTD

SERVICE for ImproviNg Galileo operation over Cyprus

Geofrem Ltd

Δορυφορικό Σύστημα Ανιχνευσης Συσσόρευσης Άμμου σε Δίκτυα Μεταφορών

GEOIMAGING LTD

Διαδραστική Πλατφόρμα Θαλάσσιου Χωροταξικού Σχεδιασμού για την υποστήριξη της βιώσιμης ανάπτυξης της Γαλάζιας Οικονομίας

CY.R.I.C CYPRUS RESEARCH AND
INNOVATION CENTER LTD

Smart Agriculture using Ultra-Long-Range Wireless Data and Power Transfer

AMDM - Advanced Materials Design
& Manufacturing Limited

Development of Ultra Strong Multi-Functional Carbon Fibre Textiles through Nanofibre - Fibre Effective Bonding

Research in
Enterprises



CO-DEVELOP

ERATOSTHENES CENTRE OF EXCELLENCE

Transitioning to Green agriculture by assessing and mitigating Carbon emissions from agricultural soils in Cyprus

Dual Use Technologies

Marine and Environmental Research (MER) Lab Ltd

Integrating Remote Sensing and Artificial Intelligence to monitor maritime activities across Limassol Bay

CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD

Advanced multi-UAV and intelligent launching-recovery system for enhancing the search and surveillance continuous operations



SEED

Ecliptic Defence and
Space Ltd

High Efficiency GaN on Diamond Power
Amplifier Product Line for Space

POST-DOC

INTEGRATED
TECHNOLOGY
SOLUTIONS & SERVICES

Portable and Cost-effective Particulate
Matter Monitoring System

AMDM - Advanced
Materials Design &
Manufacturing Limited

Nano-Controlled Porosity for
Multifunctional Fibre Reinforced
Polymer Composites



EMTECH SPACE P.C
(CY) Ltd

intELlIgent reacTive powEr maNagEment
diStribution gridS

InSPIRE

THree dimEnSional millimeter-wave
poSitioning

InSPIRE

3D Precision Farming using Internet of
Things and Unmanned Aerial Vehicles
in Greenhouses

CONCEPT



Cyprus University of Technology

Analysis of SAR and thermal satellite data time-series for understanding the long-term impact of land surface temperature changes on forests

Frederick Research Center

Robotically Controlled RADAR Inspired WiReless Charging for/from Flying UAV PlatformS

Cyprus University of Technology

Study of precipitation aeROsols and Clouds in a COastal area of Cyprus

Frederick Research Center

International Reference Ionosphere Validation and Improvement

Cyprus University of Technology

Copernicus Earth Observation Big Data for Cultural Heritage

Excellence
Hubs



Cyprus Space
Exploration
Organisation (CSEO)

Cyprus Space Research and Innovation
Centre

Frederick Research
Center

CYPRUS GNSS METEOROLOGY
ENHANCEMENT

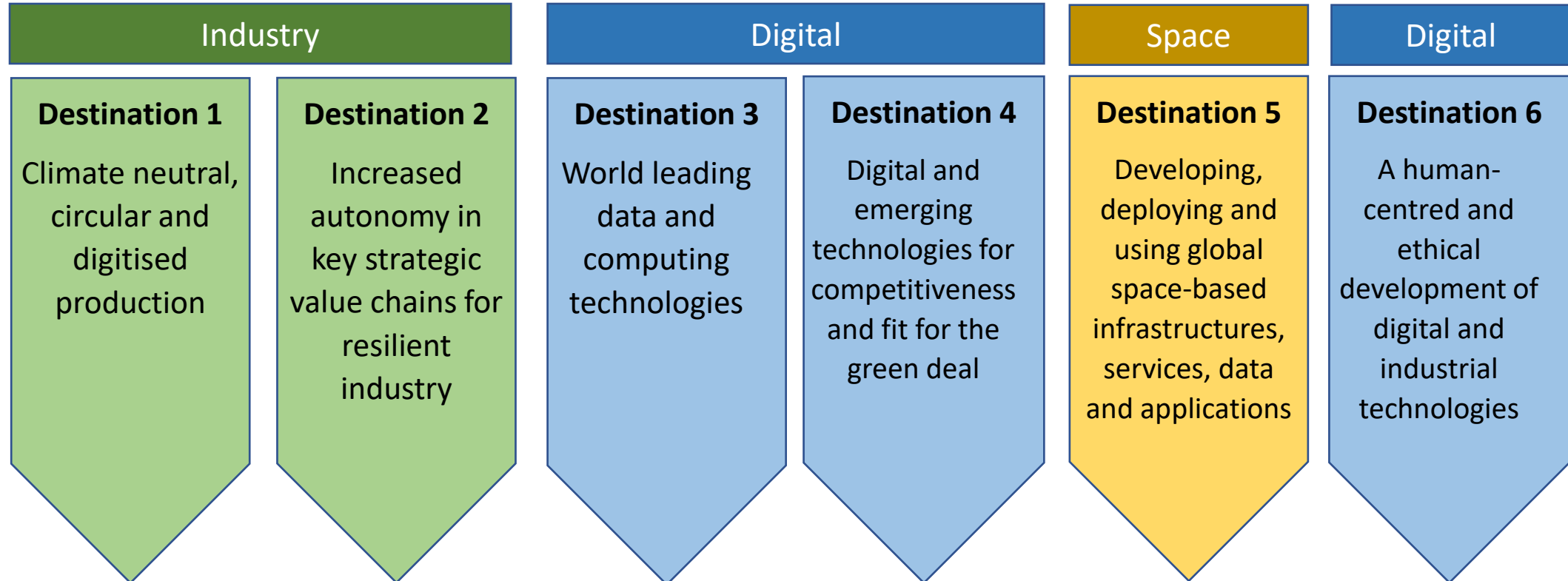
Cyprus University of
Technology

Research and Innovation Knowledge
Centre for Engineering in Heritage

Research
Infrastructures



► Horizon Europe Cluster 4: Digital, Industry and Space



Cyprus Participation in Horizon Europe Cluster 4- Destination 5: Space

5 Projects

1 University as HO

7 Enterprises as
PA

2 Public
Organisations
as PA



The research and innovation ecosystem in Cyprus has the potential to develop space technologies, promoting security and economic growth.

▶ **Thank you!**

Research and Innovation Foundation (RIF)

P.O. BOX 23422, 1683 Nicosia

Tel.: +357-22205000

Website: www.research.org.cy

