

IdeaSquare finance & project pipeline

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Financial status

As reminder from last ISAB meeting (29/11/2023):

		и	Actual	Actual	Actual				2020-					
			2020	2021	2022	2023	2024	2025	Total					
IdeaSquare	Personnel		9	80	126	190	100	100	605	e.g. PJAS/GRAD	/Temp L.			
	WS, equipment, consol.		65	215	22	20	25	25	372	Upkeeping, WS	s, AV, cleanir	ng etc. Extra cor	solid. In '21	
	Contrib. To building extension (est. 2M)						320	320	640	To facilitate AT	TRACT, CBI, G	V, SGW, KT		
	Consumables, prototyping		26	12	52	60	50	30	30 Mech/electr. WShops, kitchen, 3D printers e		etc.			
	Events at ID2				95	190	100	50	435	WSs, hacks, conferences, events related to CBI/ATTRACT, Exec n			xec mgmt	
	Consulting, travel	Ш	24	77	39	80	100	50	370	External/internal WS, IS travel, contracts /DO33609, Doxxxx)			xx)	
	Sub-total		124	384	334	540	695	575	2652	average to '24 407				
From CERN			124	384	334	540	174			Budget transfer	ras known 1.	1.2023		
Expected budget fro	om CERN						241	255						
Other, new income (for building extension)			0	0	0		320	320	640	Exec mgmt etc ass. 50% can be used for ID2 op.				

- Request to CERN in 2024 will thus be similar to previous years: approx. 430K CHF.
- Main cost category = salaries, although in 2023, a large part was allocated to ATTRACT-2 budget.
- In near future, we need to replace (large) part of 3D-printing infra + restock mechanical and electrical tool shops. Costs approx. 60-80K CHF.
- Main funding streams for 2024/2025:
 - o potential central funding from CERN (process to start in March).
 - Horizon Europe participation (see next slide).
 - o new Executive Training Programme (already discussed).

Projects pipeline

Submitted proposals HEU:

Acronym	Description		Potential funding	Earliest start
TRACS	Synthesizing new methodology from behavioural, social, management sciences that better supports the shift to systemic collaboration and facilitation of mindsets of academic researchers. Project targets transition to 4th Generation University concept. Contribution to CERN: more involvement in societal project collaborations, better transversal skills.	Coord.	€725.000	10/2024
CURATE (GV)	Impact of climate change on underground infrastructure, effective monitoring and with digital tools. Coordination by University of Cork, CERN as a partner. Contribution of GV to CERN:	Partner	€500.000	1/2025

Partner

Coord.

€350.000

€750.000

1/2025

resub-

mission

· Project is based on existing collaboration between UCork and CERN.

CERN is one of the demonstration sites for tunnel asset monitoring.

CERN demo on hydraulic networks (sewage and rainwater).

4 business cases for planning and implementing resilience and maintenance. GV

Improved monitoring with FO technologies & reduced cost for maintenance.

Energy reduction + bio-diversity demonstrators @ Ris. Proposal failed, but redress

was successful. Still not funded. Small-scale 'spin-off' bio-diversity project out of

Clear strategic importance: Ireland joining CERN.

contribution to CERN:

CARAT now running at CERN

i-BRIDGE

(GV)

CARAT

(GV)



HEU in preparation:

Acronym	Description	Role	Potential funding	Earliest start
REBALANCE (GV)	Co-design of Open Spaces using Nature Based Solutions and Green Building Neighbourhood approaches together with the New European Bauhaus concept. GV contribution to CERN: involvement with NEB. CERN is alpha-demo site.	Partner	€175.000 (t.b.c.)	1/2025
SOLES (GV)	Prefab facades installation with focus on cost reduction and entire process integration with digital tool. GV contribution to CERN: direct applicability potential in consolidation programme. CERN is one of the demonstration sites.	Coord.	€1 Million (t.b.c.)	11/2024
No-name (GV)	Request from Bouygues Construction to use GV as demo site for prefab installation project (focus on process).	Partner	€200.000 (t.b.c.)	11/2024



HEU projects being investigated:

Acronym	Description	Role	Potential funding	Earliest start
MEDAILLON (€20M funding) GV	Demonstrator of IoT technologies to improve energy efficiency and conservation leading to better resource utilisation, incl. energy-efficient lighting, HVAC systems, and integrated renewable energy solutions in buildings.	Partner	€750.000 (t.b.c.)	09/2024
SEEN (GV)	Technical solutions for maintaining energy-security levels at building and neighbourhood level. Creation of digital tools and simulation of exceptional events that impact energy-security, followed by implementation in three demonstrator cities. GV contribution to CERN: development of energy-security at building and neighbourhood level.	Partner	€600.000+ (t.b.c.)	3/2025



Active collaborations in GV:

Acronym	Description	Role	Planning
AQN	Air quality Nodes & Dashboard. HW/SW sensors for air quality monitoring across CERN site. Status: architecture, LoRa have been integrated successfully.	partner	Ongoing
TREFAS	Passive 6G/wifi signal panels to reduce need for very expensive high-power and close- range active 6G stations. CERN provides tunnel access to support business case. GV contribution to CERN: reduction of dead-spots. Current status: simulations based on GIS-data in progress.	partner	Ongoing



GV collaborations being investigated:

Acronym	Description	Role	Planning
AirInMotion	Direct air capture technology; aiming for high purity grade. Connection came through CMS. Also link with Atlas CO2 cooling. Project initiated by Trinity College. Potentially also a new HEU proposal. GV contribution to CERN: full admin. management for ENCV.	partner	April 2024
Senter for Innovation (SFI)	GV to be used as test site for multiple projects from Norwegian universities. Grants through SFI. As yet unclear if GV is separately eligible to receive funding.	partner	2026



Thanks for your attention and any questions

