



HYBRID-3D Phase 2

6. Network Meeting (joint meeting with OPTIMAT)

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08.12.2023

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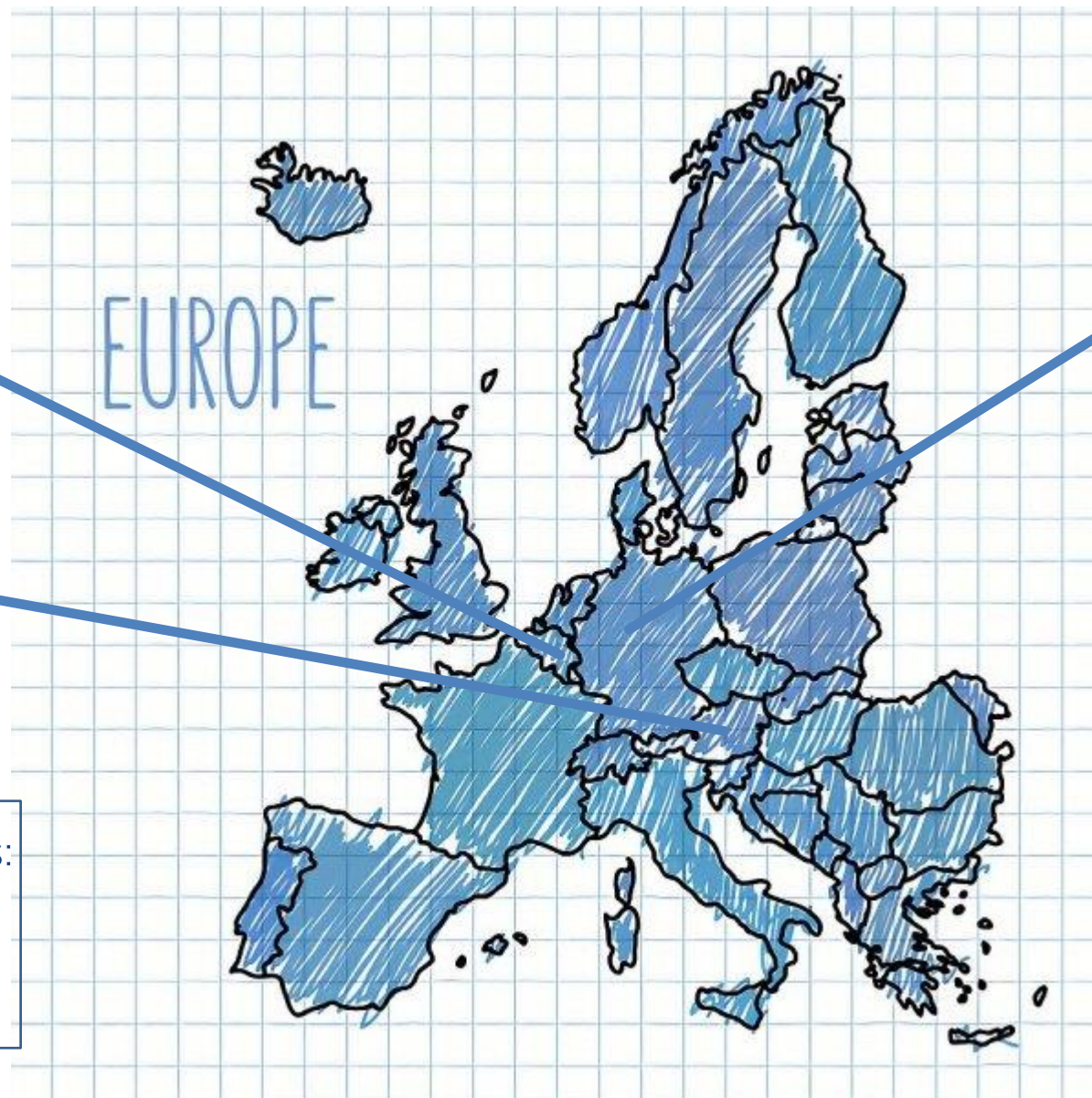
on the basis of a decision
by the German Bundestag

STATUS HYBRID 3D NETWORK

Who are we?

EurA®

innovation · finance · technology



Sirris

Aerosint SA

Laser Cladding Venture NV

LaserCo DT

CRM group (LTD)

Lithoz GmbH

30 partners from three countries:

- Germany: 24
- Belgium: 5
- Austria: 1

Bayerisches Laserzentrum

Fachhochschule Aachen

Forschungsinstitut EM

Fraunhofer ILT

Fraunhofer IPA

Hochschule Reutlingen

Hochschule Aschaffenburg

Hochschule Aalen

Sekels GmbH

World Precision Instruments GmbH

Vibrosonic GmbH

Messotron GmbH & Co. KG

Huber Tec GmbH

alesco GmbH

4Cost GmbH

Scansonic MI GmbH

Q.BIG3D GmbH

Merkle CAE Solutions

Sensortherms GmbH

Hochschule Esslingen

Rauch CNC Manufaktur GmbH&CoKG

Hörnlein

eumetron GmbH

airCode UG

ACTIVITIES IN PHASE 2 SO FAR

- 12 PROPOSALS SUBMITTED:
 - 4 DigiRes proposals in stage 1
 - 6 ZIM proposals
 - 1 BMBF full proposal
 - 1 KMU Innovativ full proposal
- 6 NETWORK MEETINGS:
 - Kick-Off Meeting 03.12.2021
 - Joint Network Meeting with Soldering Network EffiLöt 28.01.2022
 - Regular Network Meeting 19.08.2022
 - Joint network meeting with Soldering Network EffiLöt 27.09.2022
 - Regular Network Meeting 10.03.2023
 - Joint network meeting with the Network OPTIMAT 08.12.2022

TOTAL ACQUIRED GRANT

Status	Nr.	Title	Fundig programm	NW Partner	Grant
Funded projects	1	Multimodales online Sensorsystem für die Regelung und Steuerung eines Multi-Wire-Laser-3D-Fertigungssystems“	ZIM	Scansonic GmbH	330.000,00
	2	Pyrometer controlled LPBF (PyroLPBF)	ZIM	Sensortherm GmbH, HS Aalen	330.000,00
	3	Drucken von großvolumigen Kunststoffbauteilen mit recycliertem Kunststoff-Granulat (IntelliPrint3D)	ZIM	Q.big 3D GmbH, HS Aalen	395.000,00
	4	Verbundprojekt: Inline Qualitätskontrolle von Lithium-Ionen-Zellen in der Zellproduktion und Restwertanalyse gealterter Zellen im Recyclingprozess: SoH-Bestimmung mithilfe von Quantenmagnetometrie (QualiProM) – Teilvorhaben: Magnetische Abschirmung für die Batteriezellen-Evaluierung mittels Quantenmagnetometrie	BMBF	Sekels GmbH	385.632,00
	5	Verbundprojekt: HochleistungsTrommelfellhörsystem als nicht-operative Alternative bei hochgradiger Schwerhörigkeit (HL-THS) – Teilvorhaben: Ansätze zur Realisierung und effizienten Ansteuerung	KMU Innovativ	Vibrosonic GmbH	1.042.470,00
				Total Grant	2.483.102 €

PLANNED GRANTS IN 2024

Status	Nr.	Title	Funding program	NW Partner	Grant
submitted	1	Entwicklung eines modularen, skalierbaren und Hybriden magnetischen Abschirmungssystems mit der Möglichkeit einer integrierten Entmagnetisierung	ZIM	Sekels GmbH	202.500,00
	2	Keramik Integrierte Funketiketten für die Anwendung in Korrosiven- und Hochtemperaturumgebungen	ZIM DS	airCode UG	70.000,00
Under preparation	1	Thema: In-Situ Legierung bei Laserauftragsschweißen	ZIM Submission in Jan. 2024	Merkle CAE Solutions, blz	Up to 445.000,00
	2	Automatisierte on-site Reparatur- und Produktions-Prozesskette auf Basis rezyklierter Rohstoffe aus anthropogenen Lagern	DigiRess 1. Project outline approved 2. Full proposal in 2024	ILT (with ModuleWorks GmbH)	829.100,00
				Targeted Grant	1.546.600 €

FURTHER PROJECT IDEAS ARE WELCOME

- Network HYBRID 3D is still running until 30.08.2024
- 3 concret Project ideas are currently in development
- We encourage you to discuss your ideas and needs with us
- We CAN support YOU at different levels:
 1. ideation and ideas scanning
 2. strategic planning and search for suitable partners and funding programs
 3. Application and management of YOUR R&D Projects

ACTUAL FUNDING OPPURTUNITY: IRA SME

- 33rd IraSME call for proposals for transnational R&D projects
- open from 1 December 2023 until 27 March 2024.
- The call is funded by national and regional ministries and agencies participating in the IraSME network.



GER



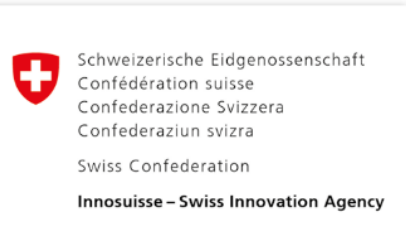
BE (Flanders)



BE (Wallonie)



AT



CH



LU



CZ



TR



BRA



CA (Alberta)

IRA SME (FOR GERMAN PARTICIPANTS)

FOCUS:

Development of innovative products, processes or technical services with clearly described technical risk

Funding conditions for SMEs:

- at least one German company/SME has to participate (Focus on companies with less than 500 employees)
- subsidy rate: 25% – 60% (depending on their size and place of business)
- max. project budget: €450,000
- in bilateral projects no SME more than 70 % of total person months
- Each German partner (company / RTO) has to file a separate ZIM application

Funding condition for RTOs:

- max. budget of €220,000;
- receive 100% funding of the calculated project costs
- Contribution: max. 50% of total person months

Eligible costs:

- Personnel costs (without employer's share of social insurance)
- Other costs (up to 100% of personnel costs for companies, and 85% for RTOs)
- Costs for project-related contracts to third parties (up to 25% of personnel costs)
- Costs for external R&D contracts (30% to 70% of person months)

IRA SME (FOR PARTICIPANTS FROM BE - FLANDERS)

FOCUS:

Development of innovative products, processes or technical services with clearly described technical risk

Requirements:

- A substantiated business case is essential.
- Clear exploitation plan showing how the innovation will strengthen the position of the company in the first years after the (successful) completion of the development project.

Funding conditions for SMEs:

- Companies (which comply with the European SME definition) with operational activities in the Flemish Region.
- Subsidy between EUR 25,000 and EUR 500,000.
- Maximum duration of 24 months in principle.
- subsidy rate: 25% - 60% (25% + 15% for international cooperation + 10% for medium-sized companies and by 20% for small enterprises)
- In case of cooperation, none of the companies contributes more than 70% of the budget in the project budget.
- The support is based on a percentage of the eligible costs (staff costs related to the project, operating costs, depreciations and, to a limited extent, indirect costs).

IRA SME (FOR PARTICIPANTS FROM BE - WALLONIE)

FOCUS:

industrial research projects providing commercialisation. Especially low-tech companies are targeted

Funding conditions for SMEs:

- At least one Walloon company must be part of the consortium.
- Min. 40% of the Walloon project's budget must be dedicated to the Walloon company(ies).
- Max. Subsidy: not indicated, to be discussed with the funding body SPW
- subsidy rate: SMEs: 60-75%, Large companies: 40%, Research centres: 75%, Academia: 100%
- Eligible costs: personnel, overheads, equipment and subcontracting costs

DANKE!

THANK YOU!