

Support for H2020 projects with business impact

Rudolf Fryček, PhD.
CEO of AMIRES

AMIRES services



- Innovation opportunity analysis
- Technology assessment
- Strategic partner(s) search
- Project initiation, planning, drafting, proof-reading and negotiation
- Project management
- Event management
- EU lobbying
- Training

“Energy and Energy Efficiency, Health, Medical Devices and Regenerative Medicine, Photonics and it's applications”



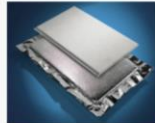
A database of **novel materials and products** as well as **prototypes** within the area of **energy efficient products & solutions of buildings**.

It is an overview and benchmarking tool of the latest state of the art components and systems available on the market and also latest research results and prototypes. This innovative tool simplifies access to know-how of energy efficient products for all users involved in building industry.

The database is currently specialized in **efficient windows, facades systems, innovative photovoltaic models and sensors**, and it includes data from public sources, fairs/conferences, private businesses, research organizations and universities of all over the world. Currently it covers over 329 products and 73 prototypes and it grows every day. Each product in the database has its own technical datasheet making easier the benchmarking between products.




Website: www.effibuilding.eu





Description:
Vacuum insulation panel with an impermeable polymer outer envelope. Applicable as floor, roof, terrace, façade and door insulation. Core material is incombustible, completely recyclable and available in a range of styles.

Further info:
[Link](#)

Type: Product	Class: façade												
Category: panels, glazings, insulated foams	Country: Belgium												
Technical specification:													
<table border="0"> <tr> <td></td> <td>Parameters:</td> <td></td> </tr> <tr> <td></td> <td>Density [kg/m³]</td> <td>160 - 220</td> </tr> <tr> <td></td> <td>Thermcon [W/(mK)]</td> <td>0.0042</td> </tr> <tr> <td></td> <td>U-Value [W/(m²K)]</td> <td>0.21</td> </tr> </table>			Parameters:			Density [kg/m ³]	160 - 220		Thermcon [W/(mK)]	0.0042		U-Value [W/(m ² K)]	0.21
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	U-Value [W/(m ² K)]	0.21											
COMPANY INFORMATION:													
Name: Microtherm NV	Contact name:												
Company info: http://www.microthermgroup.com/slider.aspx	Contact email: sales@microtherm.be												

CLOSE



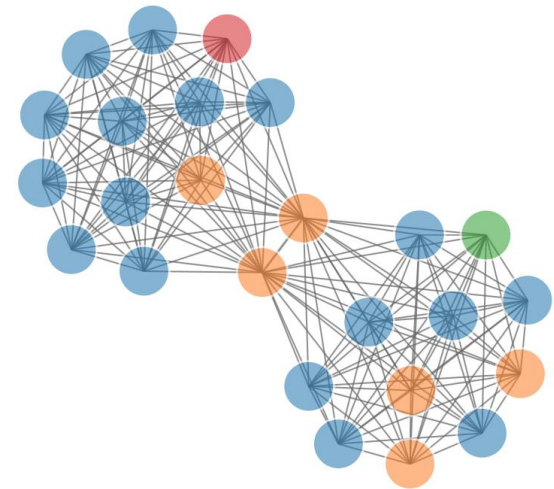
An essential tool for H2020 project coordinators, innovation project managers, group leaders, technology scouts, advisors and coaches.

It uses big data visualization for a competitive edge in development of innovation collaborative projects and provides a fundamental overview of any type of technology of application field, including key movers and their relations.

Key Features

- Abstract search of all Horizon 2020 funded projects
- Visualization of cooperation networks and key partners
- Search by call, topic, funding scheme, acronym, organizations
- Identification of strong cooperation links
- Visualization of leading partners and countries in selected domains
- Self-adjustable visual presentation

Website: www.amiplexus.eu



HORIZON 2020



Switzerland's participation 2014 - 2016

Excellent Science (EUR 24.4bn)

European Research Council
EUR 13.1bn



Future and Emerging
Technologies EUR 2.7bn



Marie-Sklodowska-Curie
Actions
EUR 6.1bn



Research Infrastructures
EUR 2.5bn



Industrial Leadership (EUR 17bn)

LEIT = Leadership in enabling
and industrial technologies

- ICT
 - Nano, new materials
 - Biotechnology
 - manufacturing and processing
 - Space
- EUR 13.5bn



Access to Risk Finance
EUR 2.9bn



Innovation in SMEs
EUR 0.6bn



Societal Challenges (EUR 29.7bn)

Health EUR 7.5bn



Food EUR 3.9bn



Energy EUR 6bn



Transport EUR 6.3bn



Climate EUR 3bn



Inclusive Societies EUR 1.3bn



Security EUR 1.7bn



Spreading Excellence (EUR 0.8bn)



Science for Society (EUR 0.5bn)



European Institute of Innovation
and Technology (EIT) EUR 2.7bn



Joint Research Centre (JRC)
EUR 1.9bn



Euratom
EUR 1.6bn



Switzerland's participation in Horizon 2020 (As of: 15.09.2014)



CH Association
(Sept. 2014 -Dec. 2016)



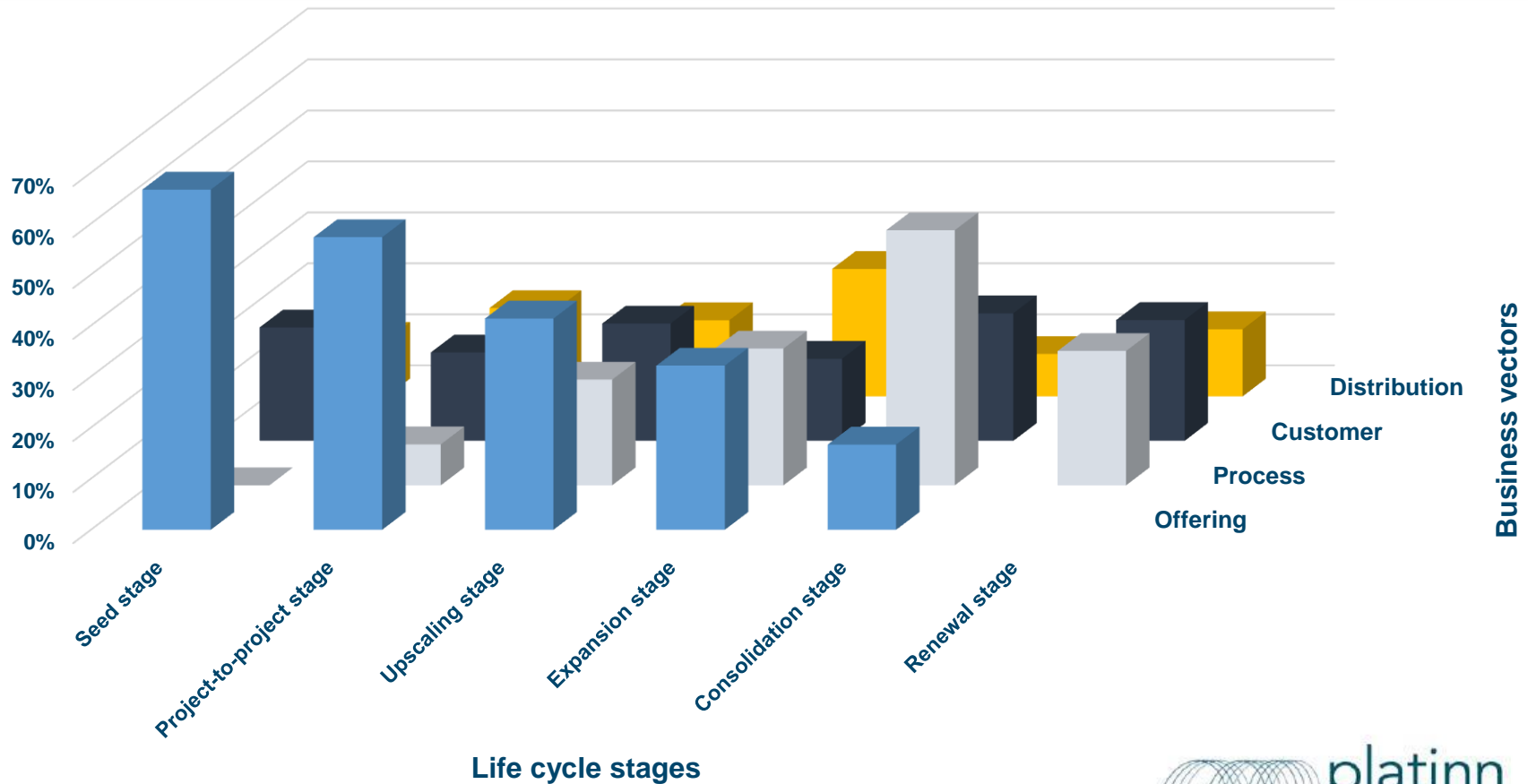
CH participation as third country



No CH participation

Innovation in SMEs: Note
that national funding
allows participation in multi
beneficiary actions (IA, CSA)

Business innovation vectors challenges by enterprise life cycle stages



Great idea is not enough?




FP7-ICT-2013-7
CONFIDENTIAL

Large-scale integrating collaborative project
SUNFLOWER – Sustainable Novel Flexible Organic Wavels Efficiently Reliability

SEVENTH FRAMEWORK PROGRAMME

SUNFLOWER



Sustainable Novel Flexible Organic Wavels Efficiently Reliability

Type of funding scheme: Large-scale integrating collaborative project (IP)

Work programme topic: Objective 3.6 "Flexible, Organic and Large Area Electronics and Photonics"

Duration of the project: 48 months

Coordinating person details:

Name	NISATTO Giovanni
Organization	CNRS - Centre National de la Recherche Scientifique
Email	Giovanni.NISATTO@cnrs.fr
Phone	+33 44 499 6000



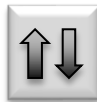



List of participants:

Part no.	Participant organization name	Short name	Country	Nature
1	Centre National de la Recherche Scientifique	CNRS	CH	RTD
2	BASF AG	BASF	CH	IND
3	DuPont Teijin Films USA, Limited	DTF	US	IND
4	AMCOR Flexible Packaging AG	AMC	CH	IND
5	Adia-Serapac BV	AGFA	BE	IND
6	Pharos AG	FLINDY	CH	IND
7	Monika Technologies GmbH	MONA	DE	IND
8 <td>University of Glasgow</td> <td>CU</td> <td>GB</td> <td>IND</td>	University of Glasgow	CU	GB	IND
9	Adia Material & Thermal Technologies GmbH	ATLAS	US	IND
10	SACI Ceramics S.p.A.	SACS	DE	IND
11	CNR - IOM Bologna	CNR	IT	IND
12	FHNW - Entrepreneurship Institute	FHNW	IT	RTD
13	University of Chulalongkorn	UCH	TH	UNI
14	Forschungszentrum für Photonik und Laser	PhG	DE	RTD
15	Leibniz Universität Hannover	LUT	DE	UNI
16	University of Twente	UTW	NL	UNI
17	Geodis Jet	GNK	FR	UNI
18	Centre International de Recherche de Marseille	CNRS	FR	RTD

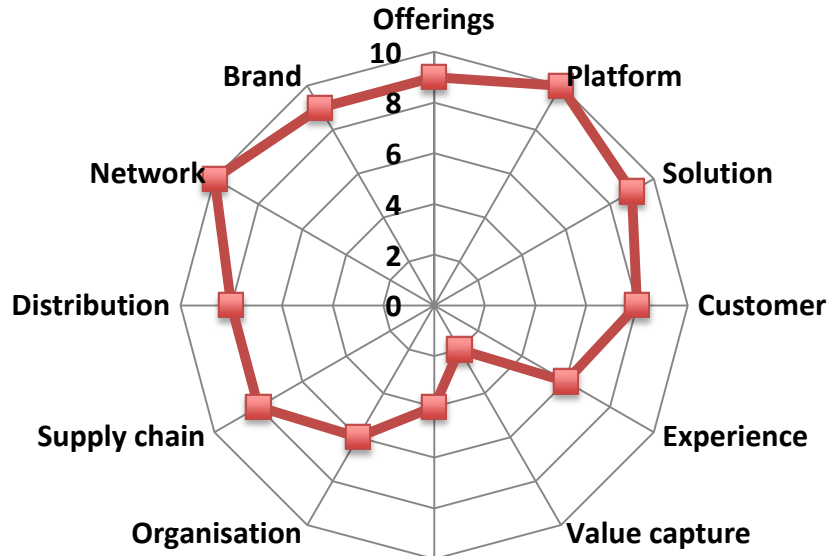
Proposal Part B Page 3 of 335

Idea novelty
Clarity
Level of details
Work planning
Selection of funding tool
Size of consortium
Competences
Budget justification
Value chain
Societal impact
Business impact
Ethics
Formatting
Length

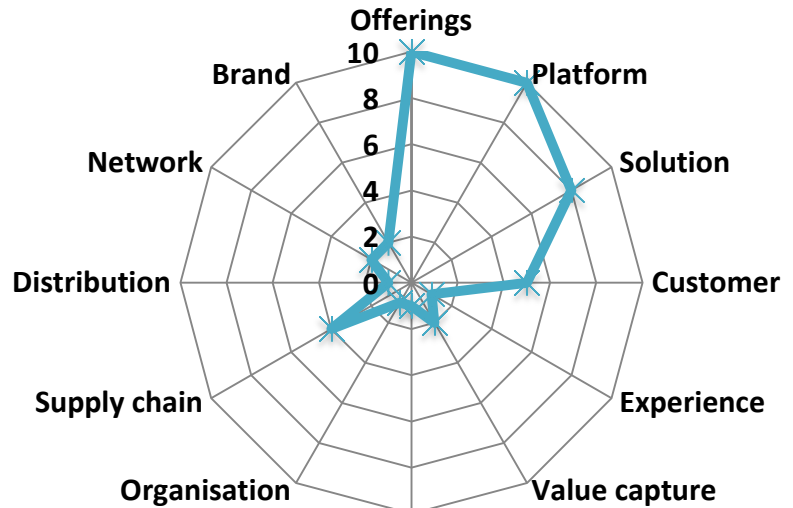


	Industrial leadership + Societal Challenges	Soon for CH SMEs? SME instrument	MSCA	Eurostars II
	Small to Large projects (TRL)	1.Phase – feasibility 2.Phase – R&D	Ind.-Academia PP EID, ITN, individual, etc.	Collaboration for developed markets
	All (incl. companies)	SME outsourcing research	All (incl. companies)	Research-perform. SME + others
	Top-down	Bottom up in broad domains	Bottom-up	Bottom-up
	3 from 3	SME alone	2-4 and many	2 from 2
	3-5 years	0.5-3 years	3-4 years	2-4 years
	280 k€	50-2500 k€	248 k€	206 k€

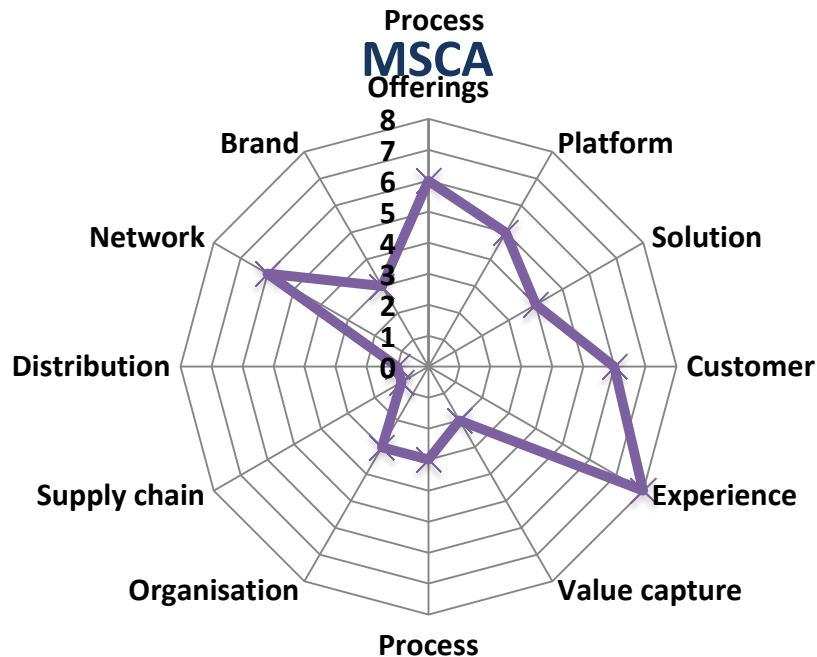
Ind. leadership + SC



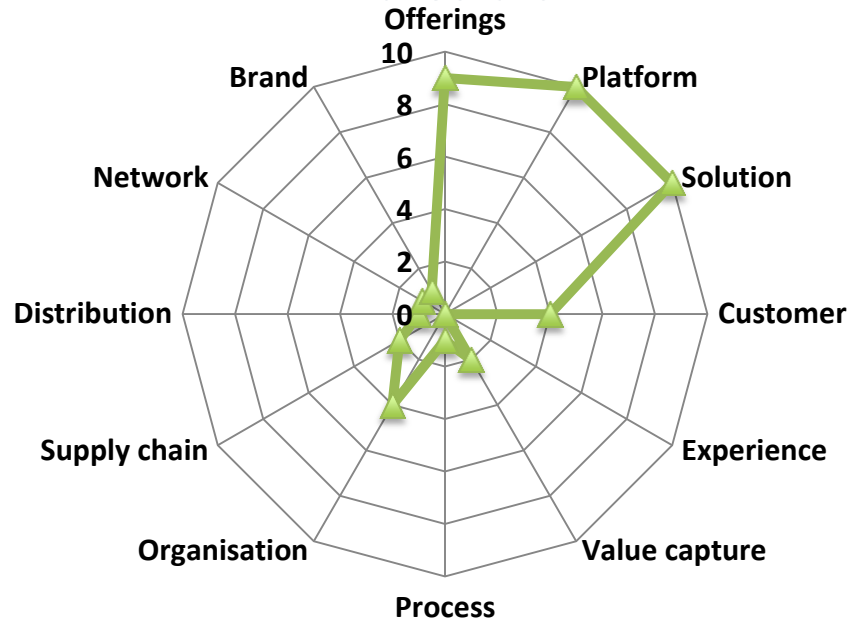
SME instrument



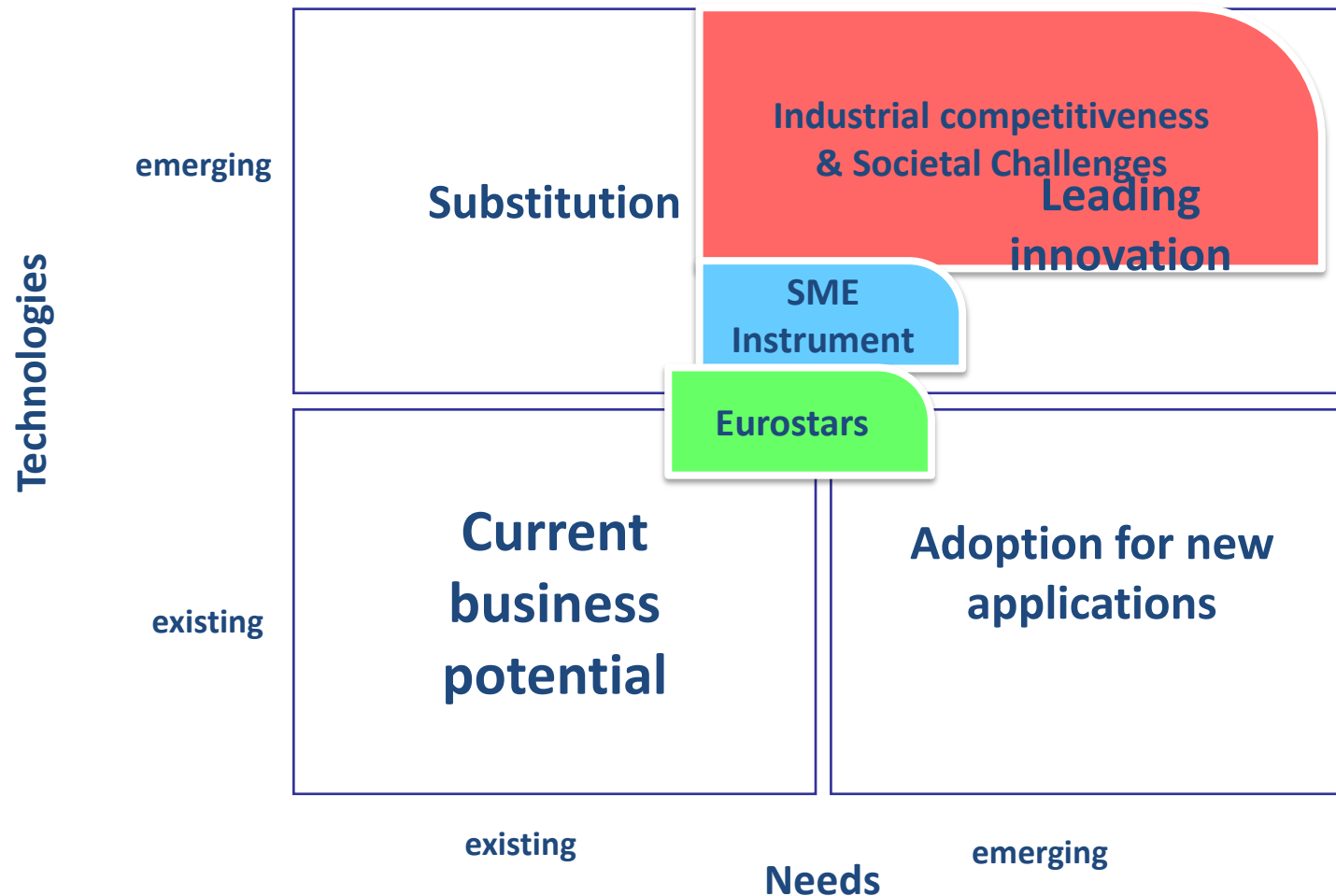
MSCA



Eurostars



Business innovation matrix



Trends in EU R&D&I funding



1. Focus on innovation
1. Specialization of funding tools (IA, RIA, FET, FTI, CSA, SME Inst,...)
2. Outsourcing of programme management (including JTIs, DIH, I4MS...)
1. Open Access to Publications and Data
1. Combined funding and synergies
1. Clustering
1. Outsourcing of project management

References at Swiss SMEs



TOFWERK
Time-of-Flight Mass Spectrometry

PLANAIR
Ingénieurs conseils en énergies et environnement

 **REGENT**
Lighting

 **SÜSS** MicroOptics

 **GLASSX**

ALPES
LASERS

NEUROBAT
INTERIOR CLIMATE TECHNOLOGIES

 **heliotis**

 **FLUXiM**

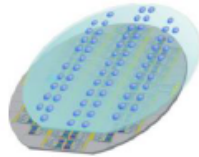
Example of SÜSS MicroOptics

PARTICIPATION IN EUROPEAN RESEARCH PROJECTS



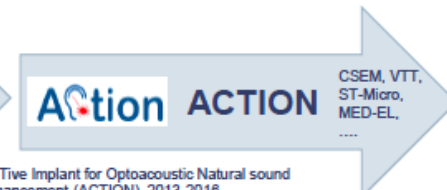
Benefit of WALORI

- + Wafer-Level Packaging/Wafer-Level Optics (WLO)
- + Microlens Imprint Technology
- + Long-term Research Partners FhG-IOF, IMT NE
- + SÜSS MicroTec 70 systems MA8 Gen3 (>30Mio€)



Benefit of SEAL-FISMA

- + MO Exposure Optics improved
- + Advanced Mask Aligner Lithography (AMALITH)
- + 130 MOEO systems (>2.5 MioCHF)



Expectations

- + Sapphire Micro-Optics
- + Packaging/Sealing
- + Medical Market Experience

Cathodoluminescence

SEM

Confocal Raman
Spectrometer

TOF-SIMS

Focused Ion
beam

Scanning Probe
Microscopy

Tomography

2010 - 2011

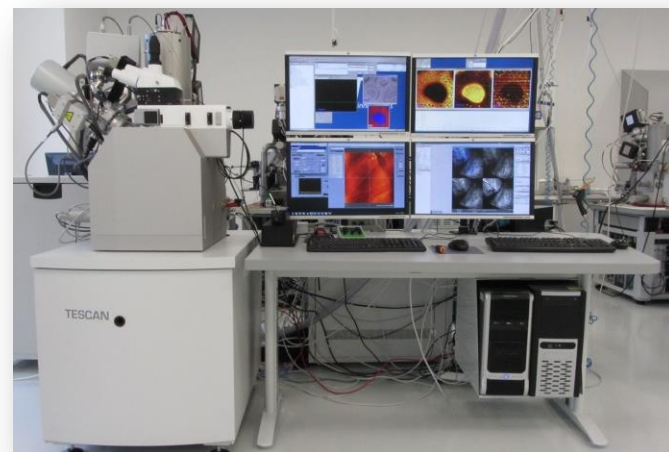
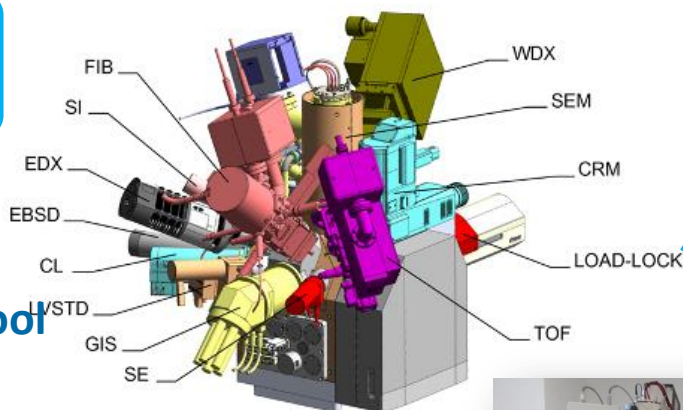
2013

2014

UnivSEM: Novel multianalytical tool

- a vision capability
- a chemical analysis
- structural characterization
- a non-destructive optical analysis
- a tomography capability
- correlation between all methods

(www.univsem.eu)



8 partners, 3 countries (CZ, CH, DE), 4 products, 16 exploitable results, 200 publications



The project UnivSEM receives funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 280566

Take home message



- H2020 programme is a strategic tool for funding innovation
- Chose well the project(s) and ensure its strategic value
- Be ready to adaptation to open innovation paradigm
- Use local support, alliances, clusters, platforms (platinn, AMIRES)
- SERI supports coordinators and SMEs (8.000 CHF)
- Internal/external staff in R&D project management

Contacts



AMIRES Sàrl

Rue de la Serre 4
CH-2000, Neuchâtel
Switzerland



Rudolf Fryček, PhD.

frycek@amires.eu

+41 796 784 295

AMIRES s.r.o.

Stavitelská 1099/6
160 00, Praha 6
Czech Republic



Lenka Bajarová

bajarova@amires.eu

+420 724 840 046