



IMEC.ICON INFORMATION SESSION



IMEC.ICON CALL 2020-2

I-CART

Protecting firefighters from burn injuries with smart protective clothing



[Click on the image for the video](#)



IMEC.ICON INFORMATION SESSION



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AGENDA

- Introduction to imec
- imec.icon program, project modalities and IPR model
- Example projects
- Application procedure
- VLAIO and Innoviris funding
- Next steps

- Extra: tips and tricks

AGENDA

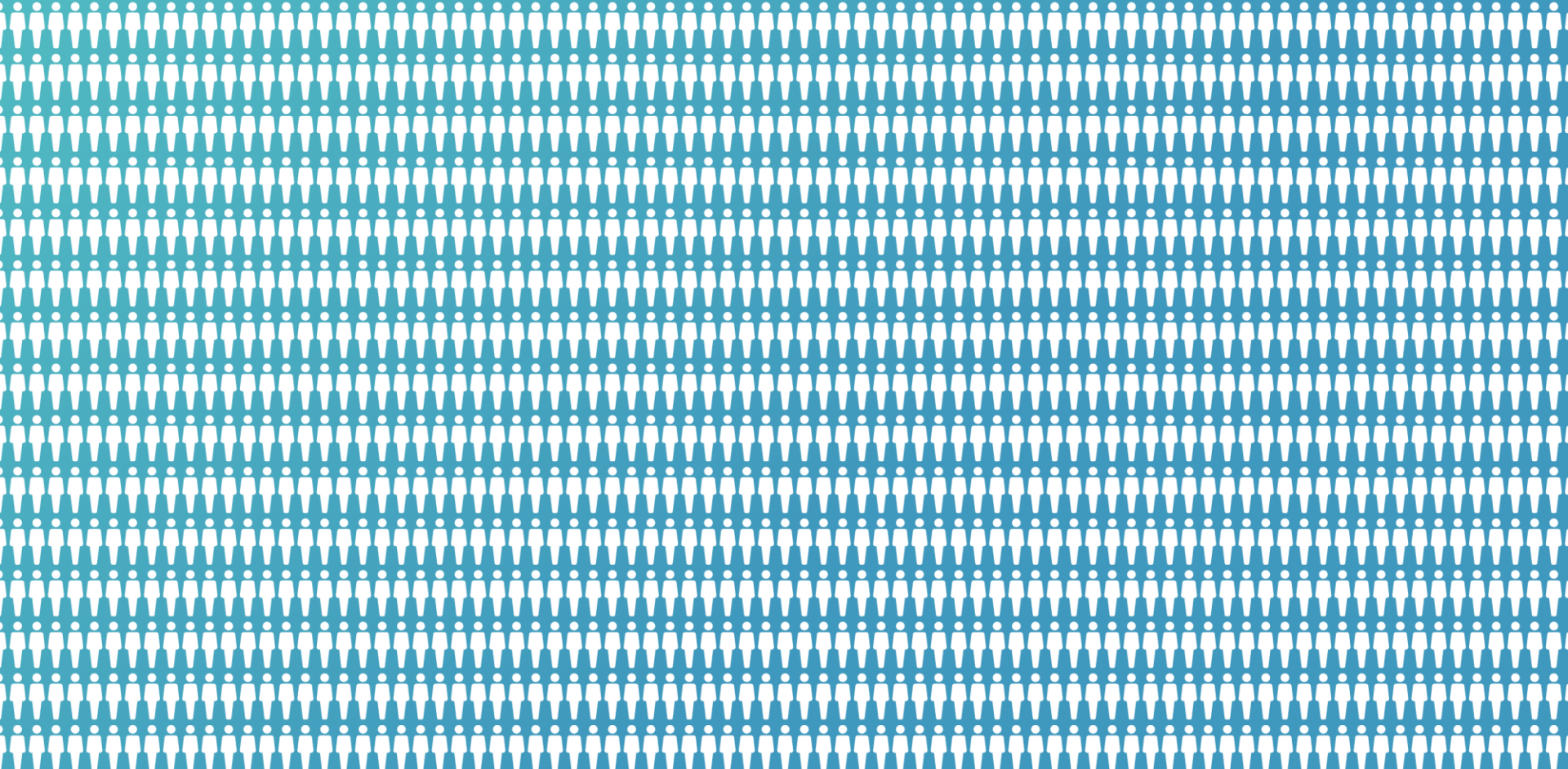
- Introduction to imec
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imec is
the world-leading R&D and innovation hub
in **nanoelectronics** and **digital technology**.

CLOSE TO 4,000 HIGHLY SKILLED RESEARCHERS



KORTRIJK
SMART EDUCATION

ANTWERP
CITY OF THINGS

LEUVEN
HEADQUARTERS

GHENT
IMEC.LINK

BRUSSELS
EU HUB



IMEC RESEARCH DOMAINS

APPLICATION DOMAINS



SMART
CITIES



SMART
MOBILITY



SMART
INDUSTRIES



SMART
INFOTAINMENT



SMART
HEALTH



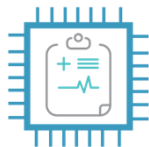
SMART
ENERGY



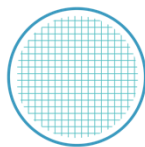
SMART
EDUCATION

SEMICONDUCTOR & SYSTEM TECHNOLOGIES

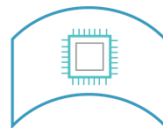
CORE
CMOS



SENSOR
TECHNOLOGY



FLEXIBLE
TECHNOLOGY



PATTERNING TECHNOLOGY LOGIC TECHNOLOGY MEMORY TECHNOLOGY INTERCONNECT TECHNOLOGY 3D INTEGRATION OPTICAL I/O

DIGITAL TECHNOLOGY PLATFORMS

NETWORKING



DIGITAL PRIVACY &
SECURITY



ARTIFICIAL
INTELLIGENCE



IMEC BUSINESS MODELS TO CREATE IMPACT

R&D
COLLABORATION



INNOVATION
SERVICES&SOLUTIONS



VENTURING
STARTUPS & FUNDS



IMEC BUSINESS MODELS TO CREATE IMPACT

R&D
COLLABORATION



INNOVATION
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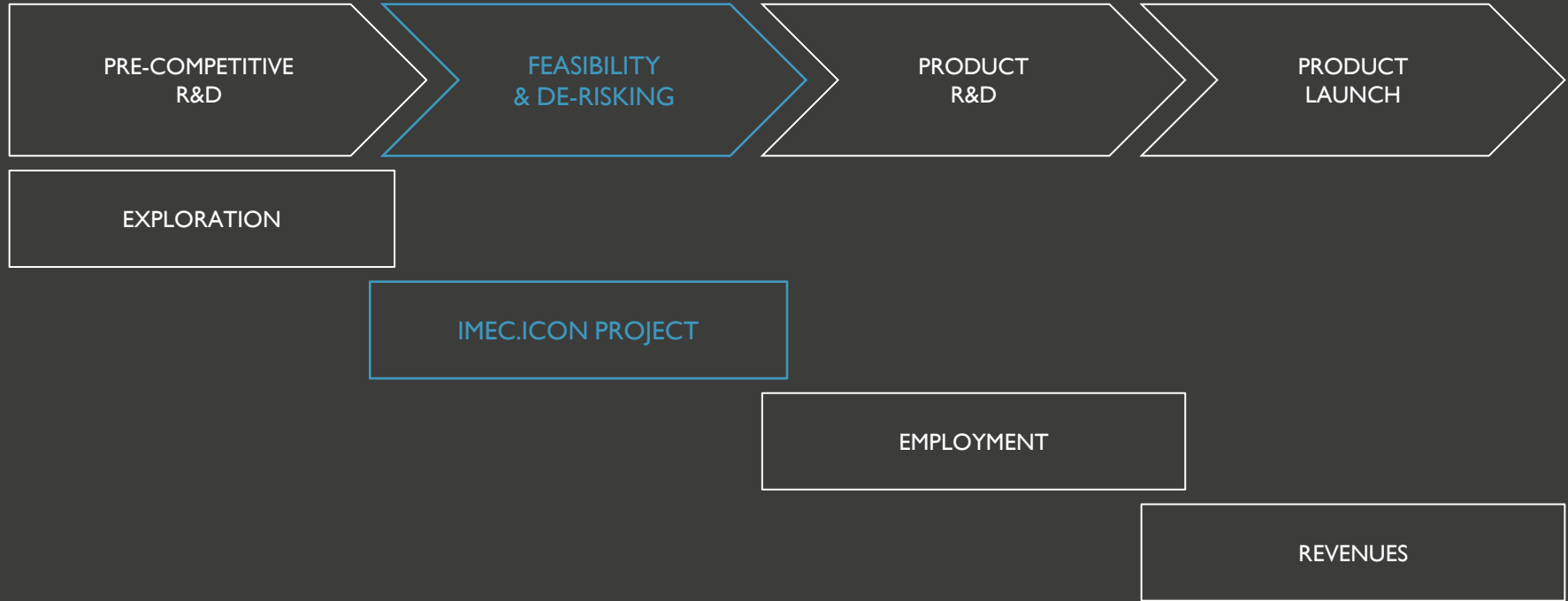
low-barrier access
applied research
between imec and industry

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THE POSITION OF IMEC.ICON IN THE R&D LIFE CYCLE



POSITIONING AGAINST TECHNOLOGY READINESS LEVELS (TRL)

TRL 1 – basic principles observed

TRL 2 – technology concept formulated



TRL 3 – experimental proof of concept



TRL 4 – technology validated in lab



TRL 5 – technology validated in relevant environment

TRL 6 – technology demonstrated in relevant environment

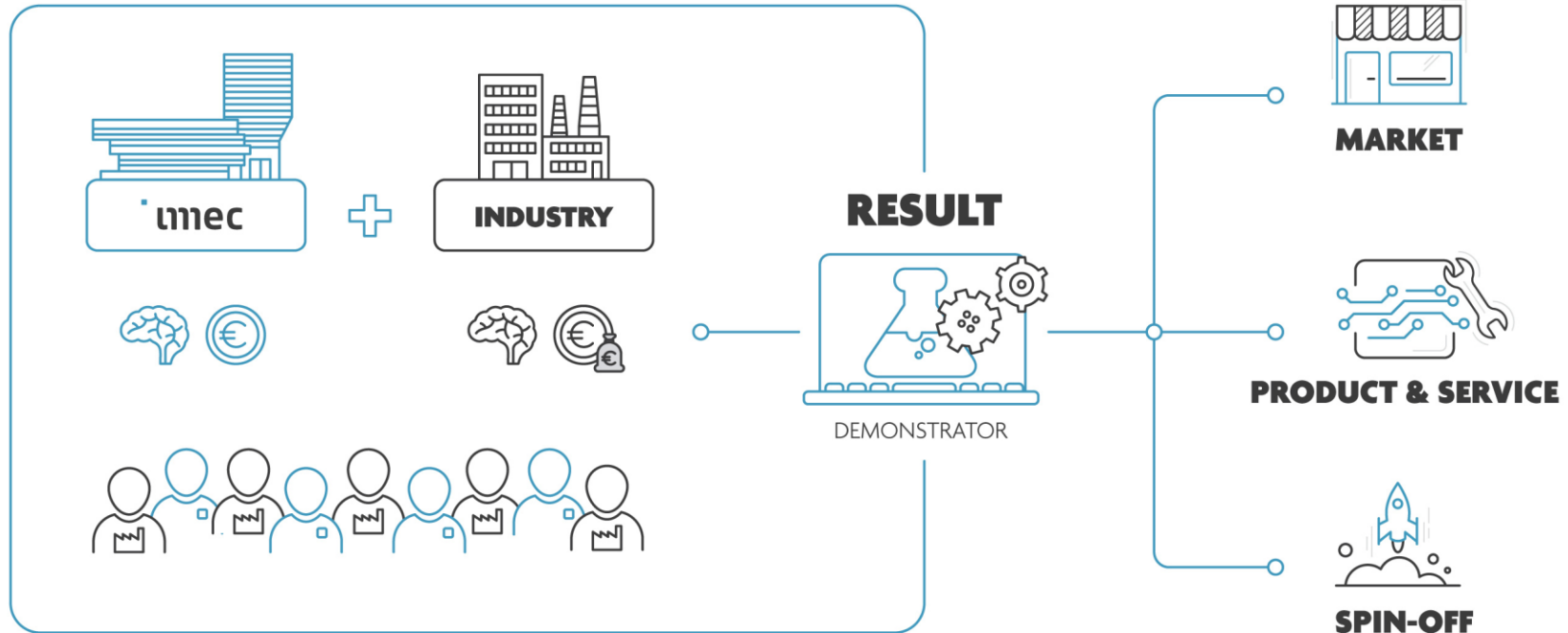
TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment

INTERDISCIPLINARY COOPERATIVE RESEARCH

VALORIZATION



IMEC.ICON CHARACTERISTICS



ICT and nanoelectronics-related
digital products, services and
business models



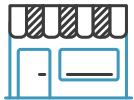
Balanced consortium
balanced contribution of industry
and research partners



Demand-driven
relating to a real need in
industry or society



Interdisciplinary approach tackling
technological, legal and social challenges,
new business models, etc.



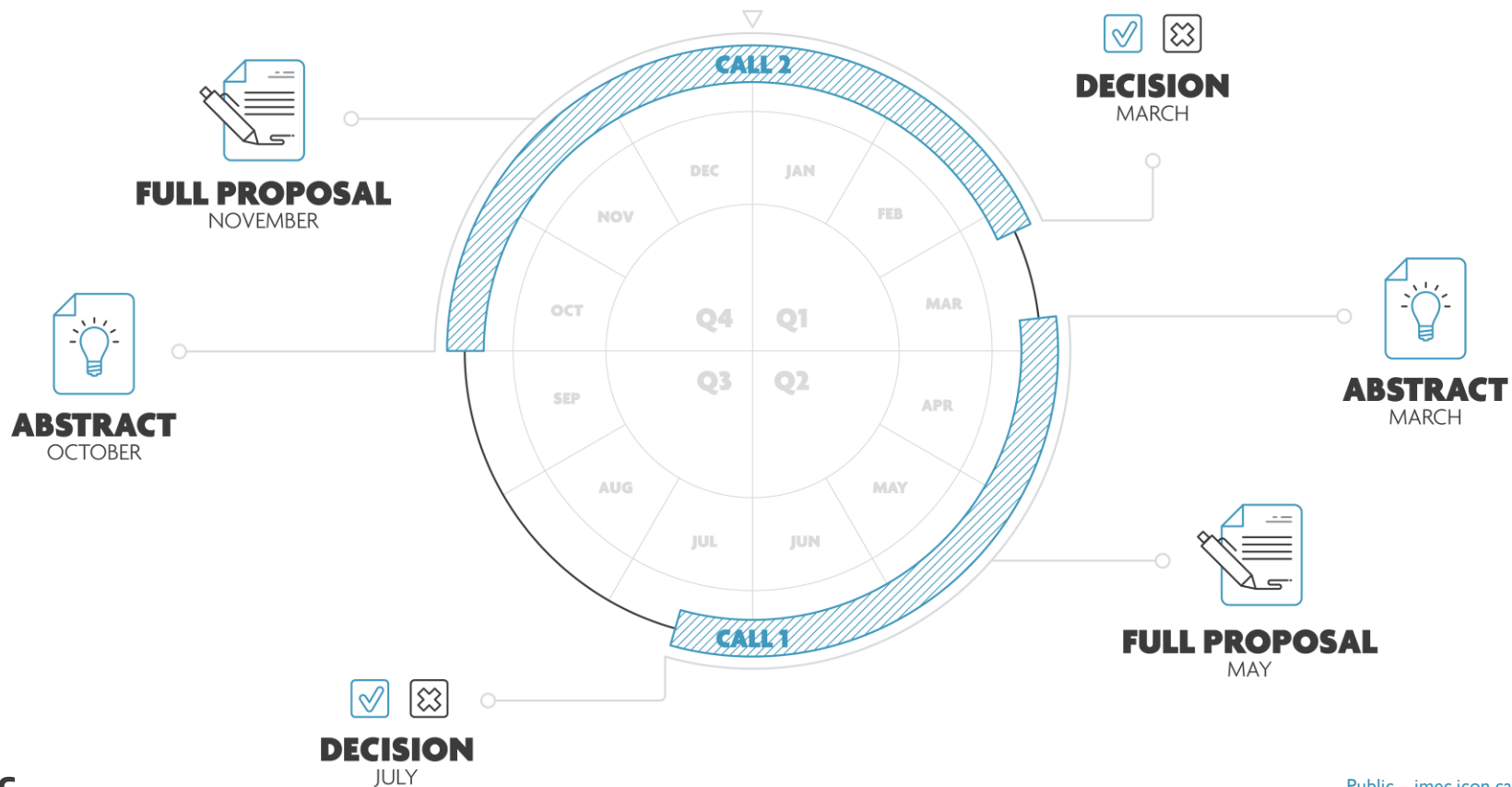
Cooperative research with a
focus on valorization for all
industry partners involved



2-year duration

IMEC.ICON – YEARLY CYCLE

FAST PROCEDURE FOR ROADMAP ALIGNMENT



IMEC.ICON EVALUATION PROCESS



IMEC.ICON KEY FIGURES 2012 – 2020



12
CALLS ORGANIZED



276
PROJECT PROPOSALS



108
PROJECTS APPROVED



€83M
RESEARCH FUNDING



327
PARTNERS INVOLVED



67%
FIRST TIME PARTNERS PER CALL



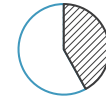
6X
LEVERAGE ON PUBLIC FUNDING WITHIN COMPANIES



61%
INDUSTRY CONTRIBUTION



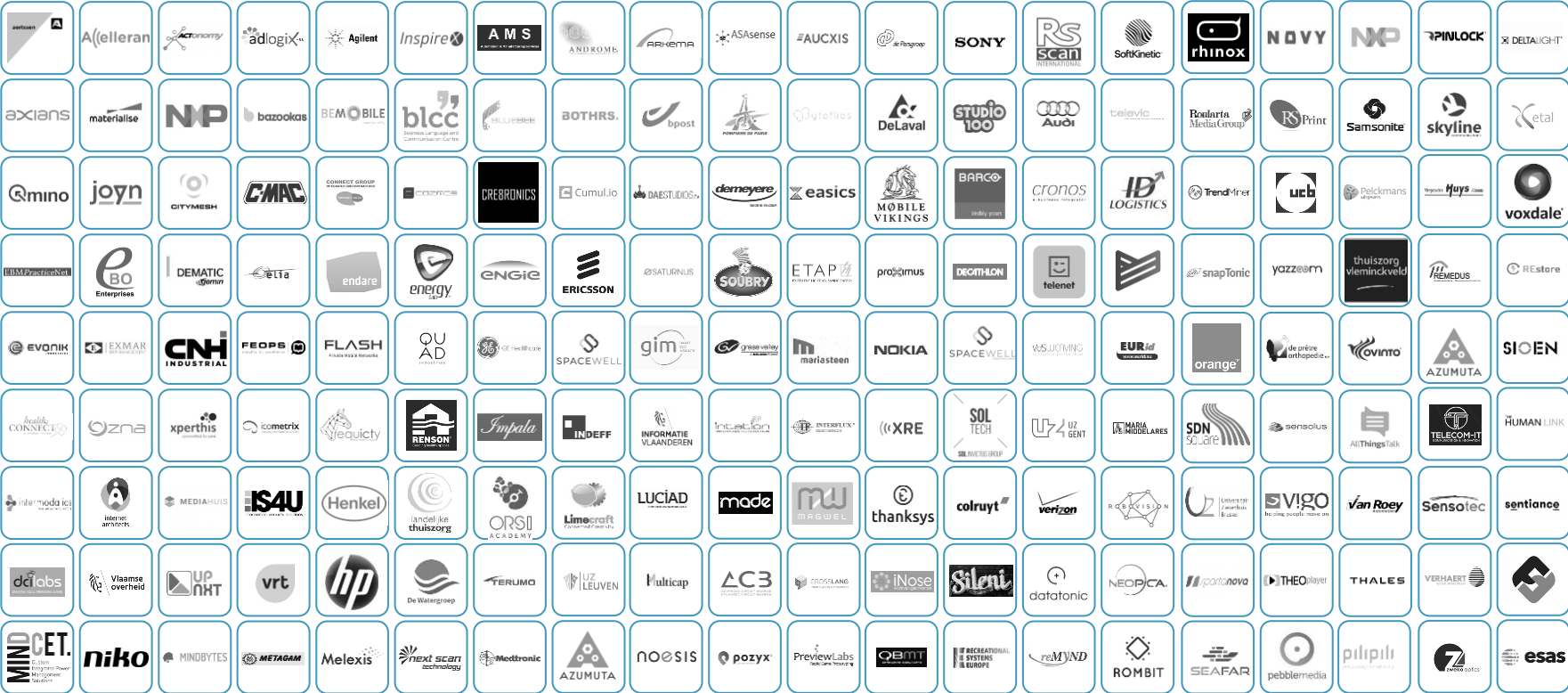
€2M
AVERAGE PROJECT SIZE



49%
SME PARTICIPATION



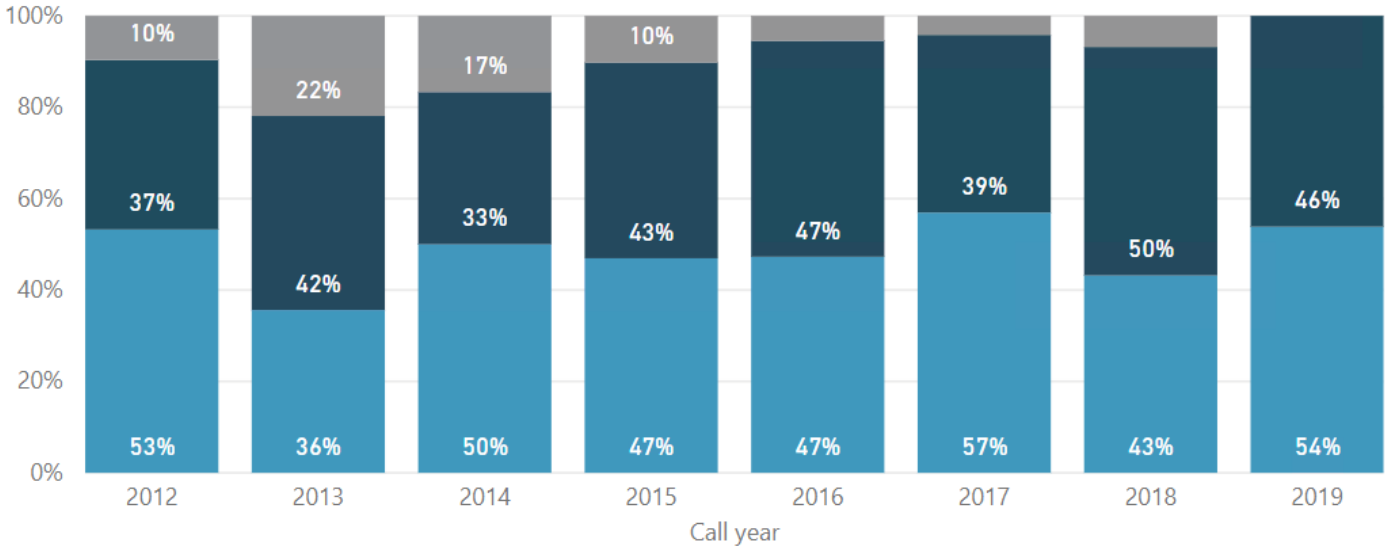
300+ IMEC.ICON PARTNERS AND COUNTING



EVOLUTION OF SME PARTICIPATION

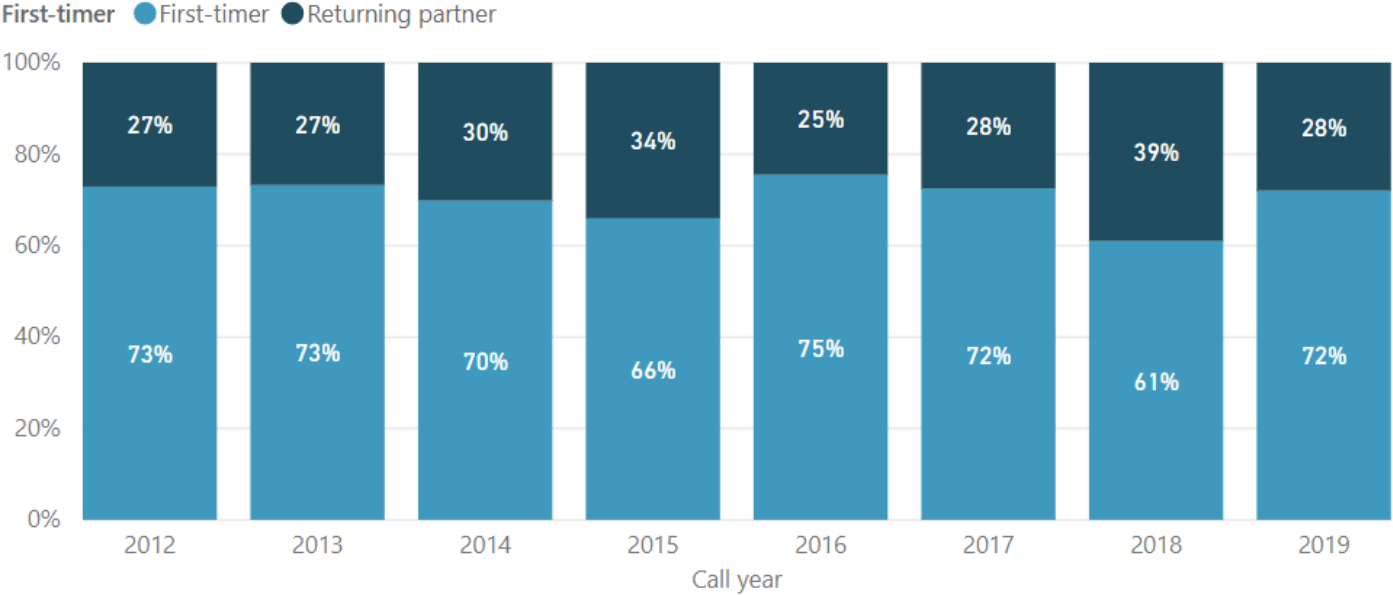
Fraction of SMEs, large companies and non-profits

Company size ● SME ● Large company ● Non-profit



EVOLUTION OF FIRST-TIME PARTNERS

Fraction of first-timers and returning partners



IMEC.ICON CONSORTIUM

RESEARCH GROUPS

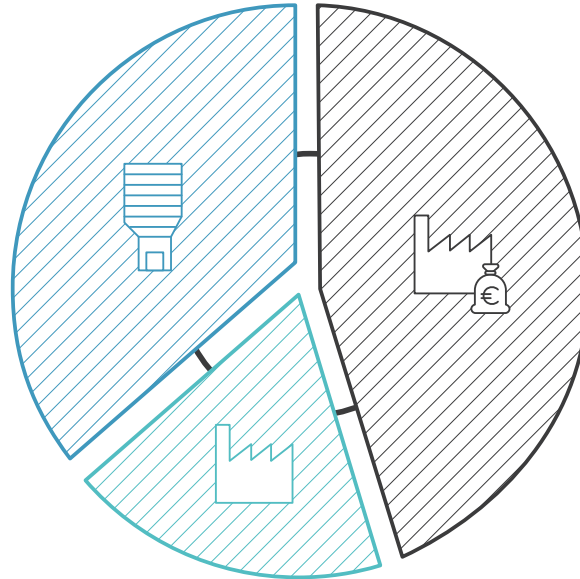


MIN. 2 GROUPS

- imec (min. 1)
- Flemish universities
- Other

FUNDED RESEARCH GROUPS

- **imec dotation:** imec & Flemish universities
- **Own budget:** other research groups



INDUSTRY PARTNERS



MIN. 3 FLEMISH COMPANIES

(+ Brussels region, Belgium, international)

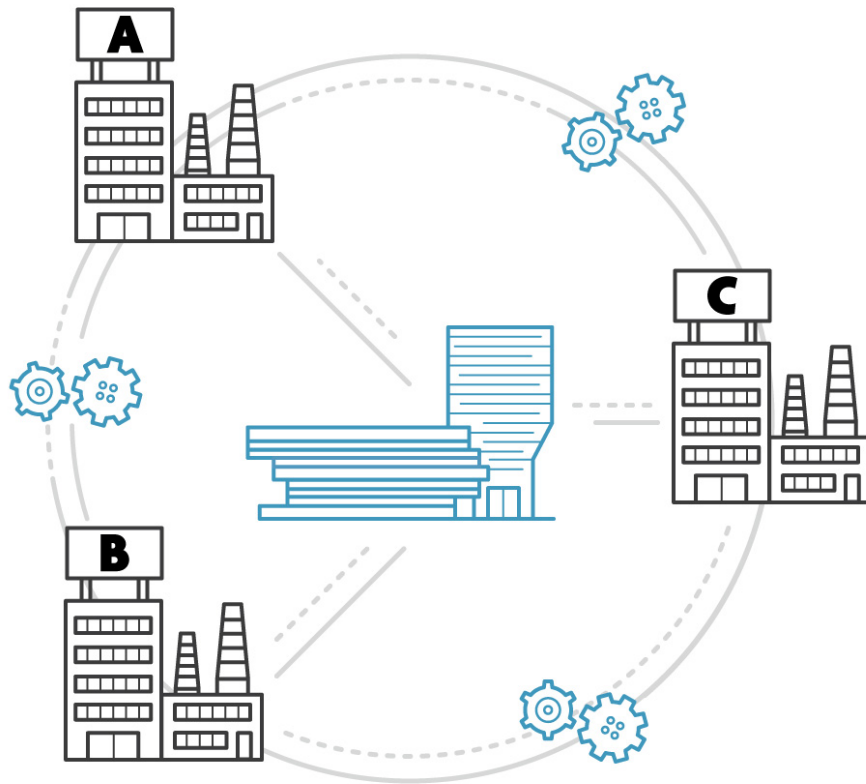
FUNDED INDUSTRY PARTNERS

- VLAIO (Flanders)
- Innoviris (Brussels region)

INDUSTRY PARTNERS WITH OWN FUNDING

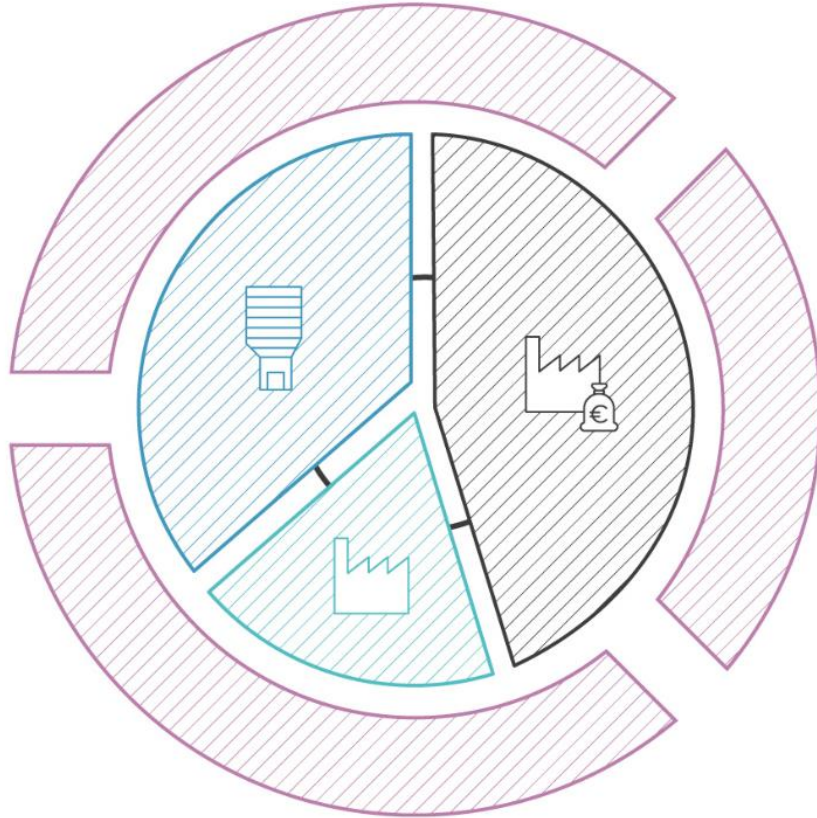
- Allowed
- Don't count for the 50/50

KEY INGREDIENT: CLOSE COLLABORATION



IMEC.ICON CONSORTIUM

OPTIONAL: USER GROUP

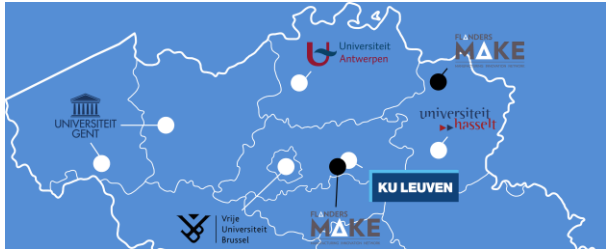


USER/STAKEHOLDER GROUP

- **NOT A FORMAL PARTNER**
- **IS LINKED TO THE PROJECT TO:**
 - provide specific input
 - gather requirements
 - act as a sparring partner
 - validate project results
 - provide certain data
 - ...

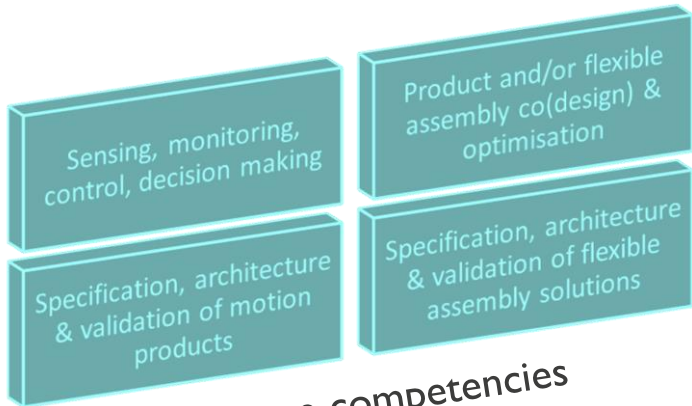
FLANDERS MAKE

PARTNERS WITH IMEC IN IMEC.ICON PROJECTS



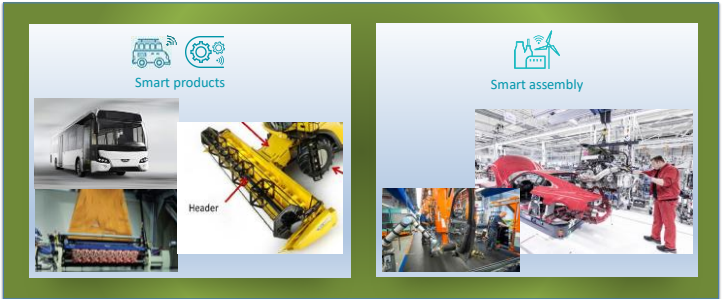
450+ highly specialised researchers

Flanders Make = the Strategic Research Centre for the Manufacturing Industry



Four core competencies

Two application areas



Unique infrastructure



Contact: marc.engels@flandersmake.be

SMART EDUCATION IN IMEC.ICON

- Objectives
 - Enable **evidence-based validation** of effects of EdTech in schools
 - Increase **adoption rate** for EdTech through involvement of schools
- Schools can receive funding from imec budget
 - Funding of staff costs and operational costs
 - Specific options for Flemish schools: PWB and TADD

RESULTS AT THE END OF THE IMEC.ICON PROJECT

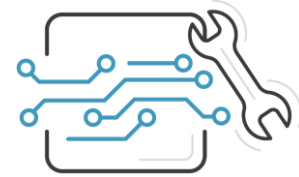


- **Proof-of-Concepts / demonstrators**
 - Minimum experimental setup needed to validate innovation goals
 - Ranging from pure technical tests to real-life validation
 - Not a pilot ready for commercialization



Incorporate the value of the project for your company from the start
⇒ involve customers and end users using living labs or user groups

IMPACT OF AN IMEC.ICON PROJECT



- Added value of the project for your company and for Flanders
 - Economic
 - Company results
 - Investments
 - Qualitative employment
 - Social/cultural
 - Added value to target group
 - Impact and anchoring in Flanders

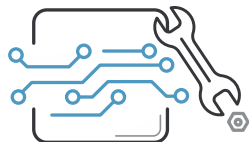


Plan and prepare your valorization path early on
⇒ kick-off your valorization mid-project

VALORIZATION



Demonstrate credibility towards external partners and generate business impact



Launch new product-line or improve current products



Launch new spin-off company, joint-venture or external startup

INTELLECTUAL PROPERTY RIGHTS (IPR)

- IPR model in imec.icon is **fixed**
- Starting IPR discussions upfront is strongly advised

IMEC.ICON IPR MODEL CONCEPTS



Background

All pre-existing knowledge a partner contributes to the project

- Necessary to perform the project
- Needs to be identified, substantiated and **listed in the project description and consortium agreement**

Foreground

All results obtained during the execution of the project

- Foreground is to be **reported to the steering committee** (i.e., project deliverables)
- Types of IPR protection: patent, copy right, trademark, trade secret

OWNERSHIP AND ACCESS RIGHTS

Ownership

Each partner is and remains **sole owner** of own Background and Foreground

Exception: **co-ownership** when Foreground is created by two or more parties and when it is **impossible** to divide and unambiguously attribute parts of the results to each partner

Access Rights

During project execution

License to Background and Foreground **free of charge**

For valorization after project

License to Background and Foreground **deemed granted** if needed to valorize own project results

Remark: **no exclusive access to Foreground** is possible in imec.icon

ACCESS RIGHTS FOR VALORIZATION BASED ON WORK PACKAGE (WP) STRUCTURE

	Same Work Package	Different Work Package
Foreground	Royalty-free (extra conditions: see below)	Favorable
Background	Market conditions	Market conditions

Conditions

Access is required for exploitation of industry partner's **own Foreground**

Balanced collaboration between industry partners and research groups

For royalty-free access

Intensive collaboration in WP between industry partner and research group on Foreground topic

IMEC.ICON IMPACT ON FLEMISH COMPANIES

PORTFOLIO IMPACT STUDIES 2015 AND 2017 – NON-ECONOMIC EFFECTS

Reported effects at project's closing

Effective **collaboration**
Enhanced **knowledge** and competence
Tapping into **new knowledge** domains
Development of **demonstrator**
Increased **scale** of research activities



Reported effects at moment of survey

Adaptation and fine-tuning of **product roadmap**
Expansion to **new markets**
Growth in existing markets
Increased **turnover**
Accelerated product or process development



Expected effects for next two years

New product development
Launch of new products
Increased **employment**
Stronger **reputation** and **branding**

IMEC.ICON IMPACT ON FLEMISH COMPANIES

PORTFOLIO IMPACT STUDIES 2015 AND 2017 – AGGREGATED (29 + 22 COMPANIES)

FOR EVERY



GOVERNMENT INVESTMENT

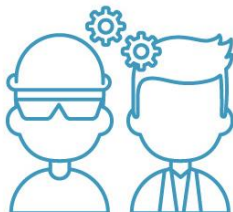


10

x



COMPANY
TURNOVER



5

x



INVESTMENTS IN **JOBS**
AT **COMPANY LEVEL**



1

x



INVESTMENTS IN
INFRASTRUCTURE

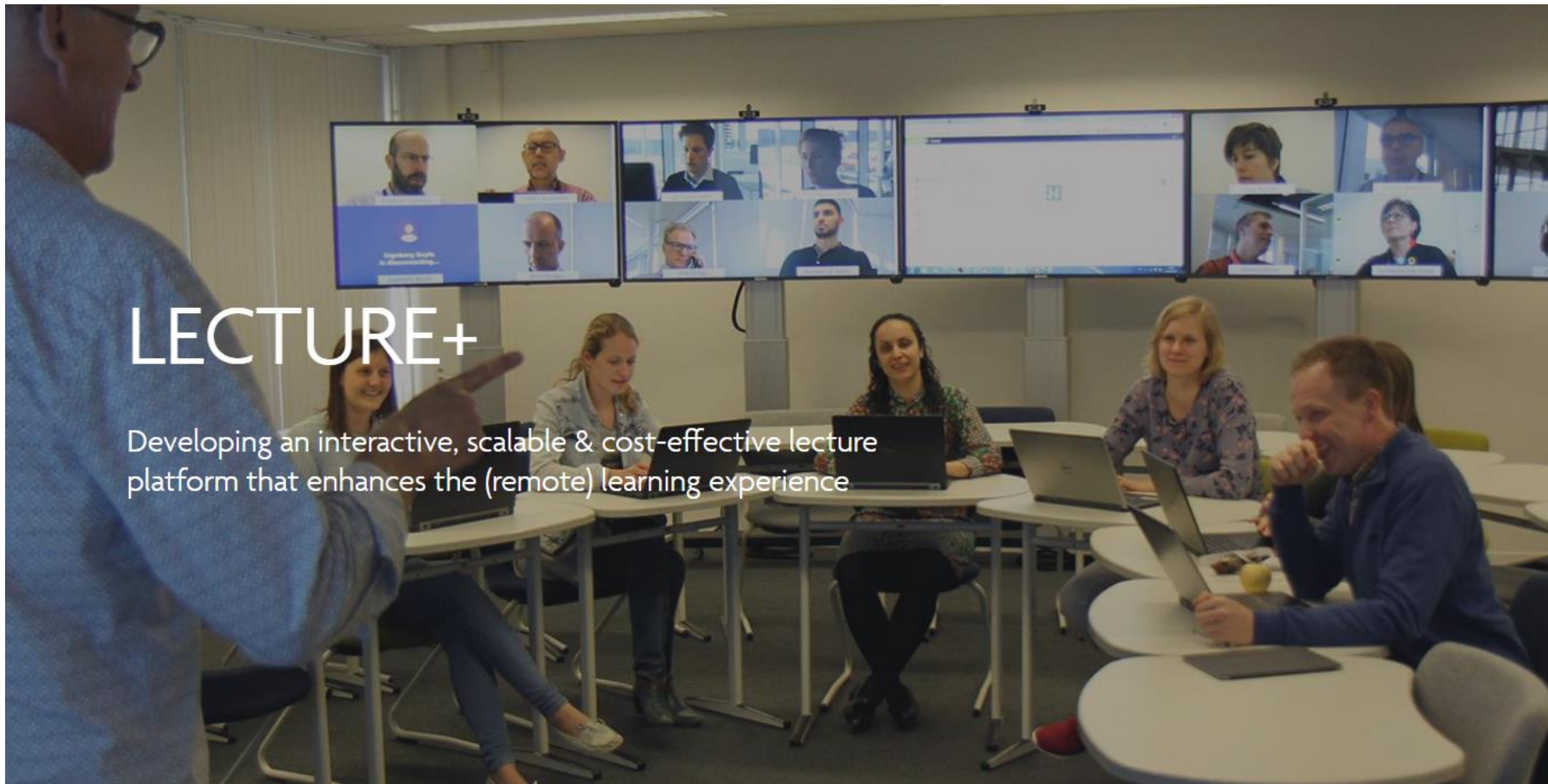
BUSINESS REASONS TO CONSIDER IMEC.ICON

- imec's technologies and expertise can provide companies with **significant product or service differentiators**
- imec.icon enables multi-faceted **collaborations**: between companies and knowledge institutions, between different companies in a value chain or an ecosystem and between different disciplines or domains of expertise
- imec.icon helps companies deal with **co-innovation** and **adoption-chain risks**
- imec's **large network** of researchers is well-connected to the Flemish innovation ecosystem and helps companies find possible partners
- imec.icon projects deliver **tangible results** and support an **iterative approach**
- imec.icon is a **low barrier** program to work with imec in applied research

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LECTURE+

Developing an interactive, scalable & cost-effective lecture platform that enhances the (remote) learning experience

[Click on the image for the video](#)

SMART EDUCATION PROJECTS





iXCon

Industrial (X-ray) CT for high-throughput quality control

[Click on the image for the video](#)

SMART INDUSTRIES PROJECTS



HYCOWARE
hybrid connected warehouses



ELITE
*efficiency-optimized production lines
using industrial IoT enhancements*



INWARDRONES
Indoor Inventory Drone Solution



ARIA
*Augmented Reality for industrial
maintenance procedures*

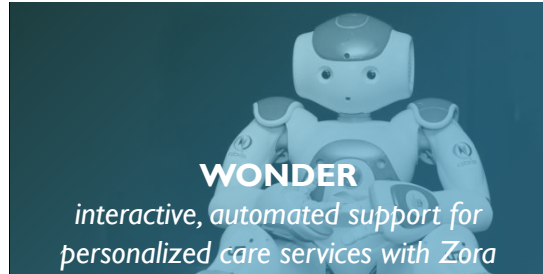


iXCon
*industrial X-ray CT for high
throughput quality control*

SMART HEALTH PROJECTS



I-CART
sensor-equipped garment that warns the firefighter when they are in harm's way



WONDER
interactive, automated support for personalized care services with Zora



ROBO-CURE
social robots, connected devices and artificial intelligence to improve healthcare

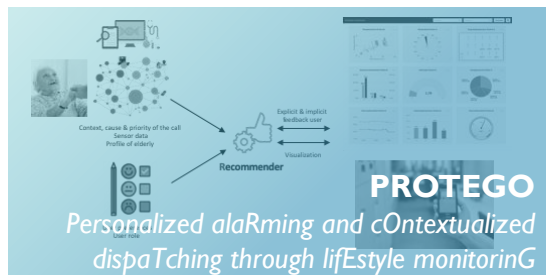
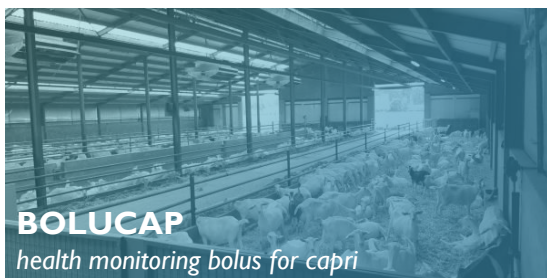


DISCRETE
supporting incontinence management in nursing homes through ambient monitoring and actionable data



PATRONUS
personalized anxiety therapy through longitudinal and user-aware services

PROJECTS IMEC.ICON CALL 2019-2



SMART INFOTAINMENT PROJECTS




NEWSBUTLER
an intelligent, personalized news engine for consumer engagement in publishing



RHETORIC
reducing Hate with Editorial Tools for Online Reactions and Comments



DAIQURI
Data & Artificial Intelligence for Quantified Reporting In sports



ILLUMINATE
interactive streaming and representation for totally immersive applications



ECODALO
Ecosystem for Data management of Local publishers

AI-FOCUSED PROJECTS



cREAtive
reconfigurable embedded artificial intelligence

SenseCity
operator support in emergency situations

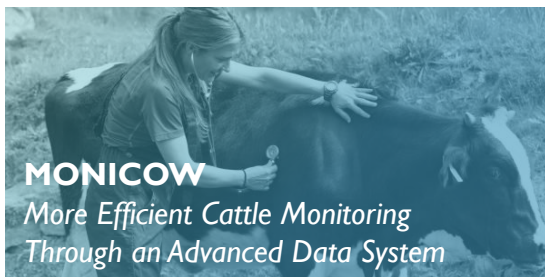
RHETORIC
Reducing Hate with Editorial Tools for Online Reactions and Comments

DAIQUIRI
Data & Artificial Intelligence for Quantified Reporting In sports

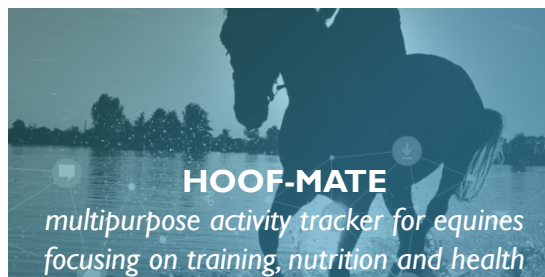
SMARTWATERGRID
facilitating and automating leak localization up to street level in soft real-time

GAP
high-performance genome analytics platform for cost-effective DNA analysis

IOT-FOCUSED IMEC.ICON PROJECTS



MONICOW
*More Efficient Cattle Monitoring
Through an Advanced Data System*



HOOF-MATE
*multipurpose activity tracker for equines
focusing on training, nutrition and health*



IOT-CHEF
*connected cooking system that enhances
the cooking and eating experience*



MUSCLE-IOT
*low-cost & reliable wireless
communication for asset management
and industrial IoT applications*



BLUESS
*Bluetooth-based self-managed mesh
networks for next-generation sustainable
sensing*



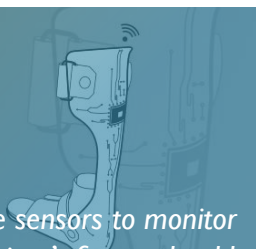
MAGICIAN
*low-power cellular network technology for
mission-critical IoT applications*

HARDWARE-FOCUSED IMEC.ICON PROJECTS



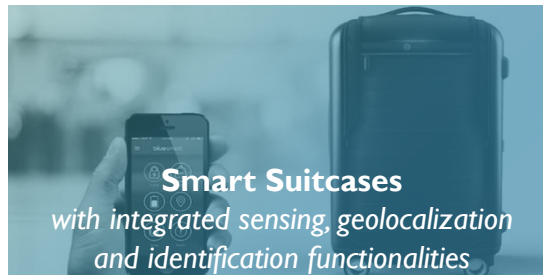
i2AFO

flexible and stretchable sensors to monitor the movement of a patient's foot and ankle



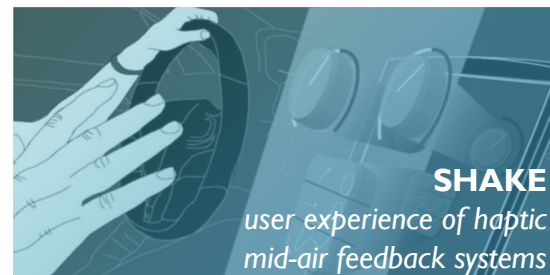
Smart Suitcases

with integrated sensing, geolocation and identification functionalities



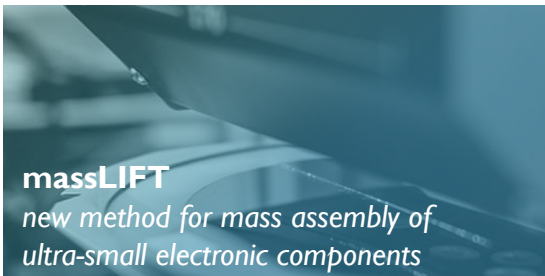
SHAKE

user experience of haptic mid-air feedback systems



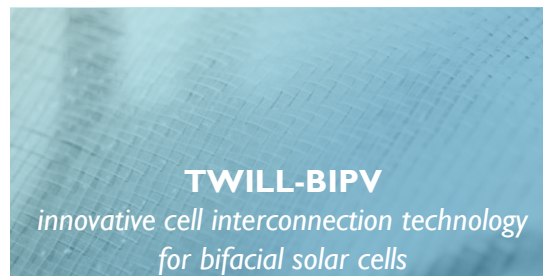
massLIFT

new method for mass assembly of ultra-small electronic components



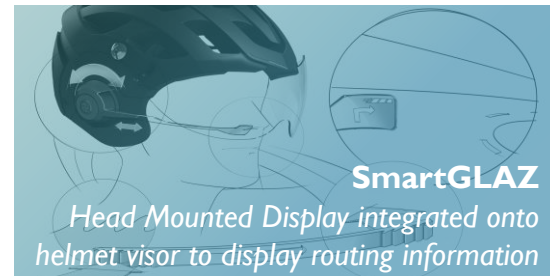
TWILL-BIPV

innovative cell interconnection technology for bifacial solar cells



SmartGLAZ

Head Mounted Display integrated onto helmet visor to display routing information



PROJECTS IMEC.ICON CALL 2019-1



ANALYST PV
IntegrAted seNsors and dAtA analySis fault detecTion tools for PV plants

RHETORIC
reducing Hate with Editorial Tools for Online Reactions and Comments

DAIQUIRI
Data & Artificial Intelligence for Quantified Reporting In sports

Smart diaper
Printed passive sensors
Disposable
External conformable read out strip
Conformable electronic package
Phone or tablet
Adhesive to apply external module (temporary)
Wearable
Internet access point

SMART DIAPERS
generating alerts when changing is required

REAL TIME DATA
SMARTWATERGRID HYBRID TWINS
GIS DATA + HYDRAULIC MODELS
HUMAN FEEDBACK

SMARTWATERGRID
facilitating and automating leak localization up to street level in soft real-time

SMARTWATERWAY
autonomous pallet shuttle barges for urban logistics

imec.icon, Government funded research, R&D with multiple partners 15 min

"Thanks to imec.icon, we were able to enter a new market and the business unit's turnover grew by 30%".

These are the words from Patrick Catthoor, Business Development Manager at Aucxis. About six years ago, the company, together with 7 other partners, submitted an imec.icon project proposal. Two years later, this resulted in a unique solution for hospitals to manage inventory and logistics processes more efficiently. For Aucxis, it also resulted in an ongoing collaboration with 2 of the partners. It is a good example of how imec.icon - which celebrates its 10th anniversary in 2020 - can make a difference for companies. And this for both large and small companies, and active in a wide range of sectors.

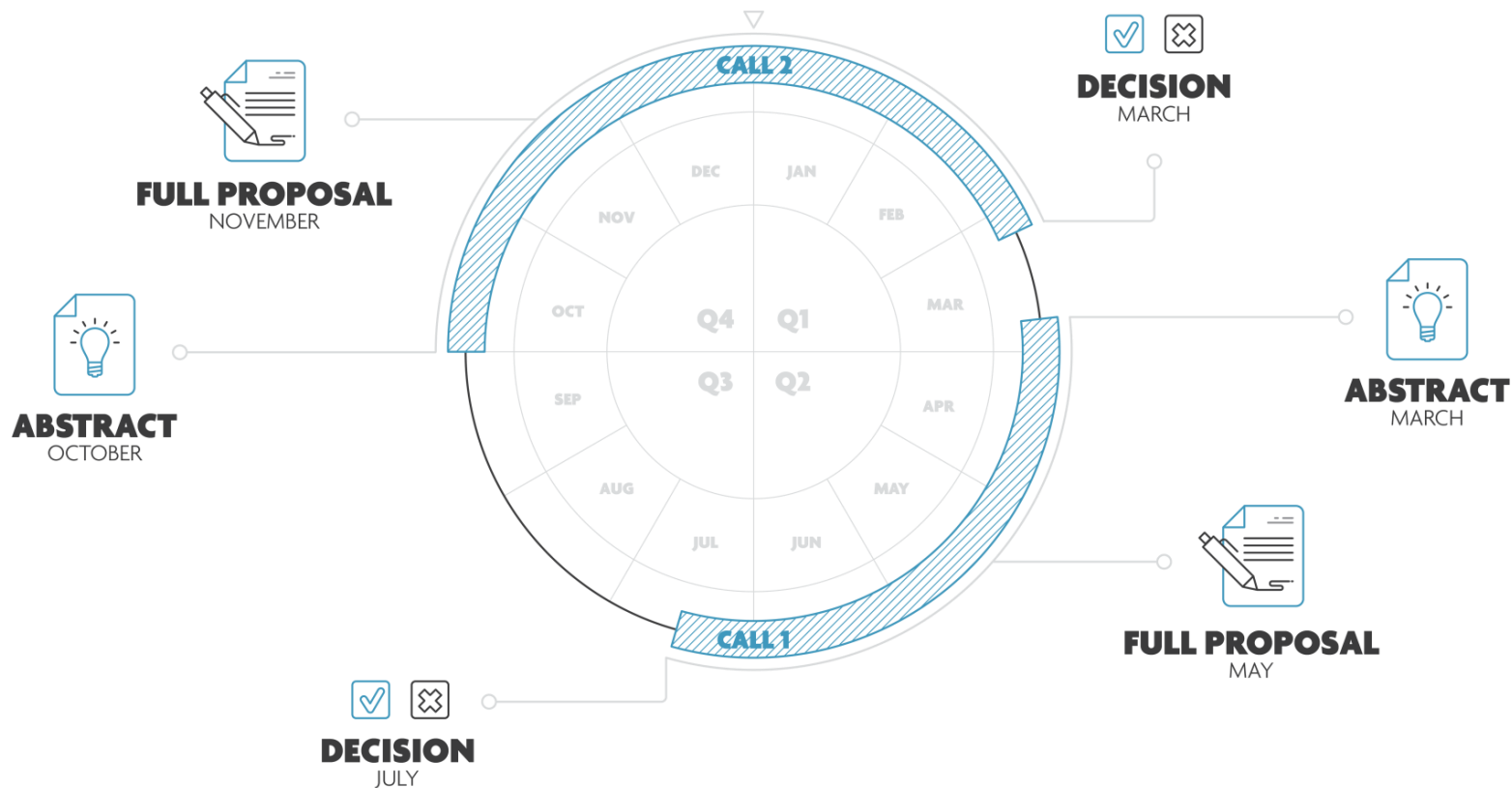
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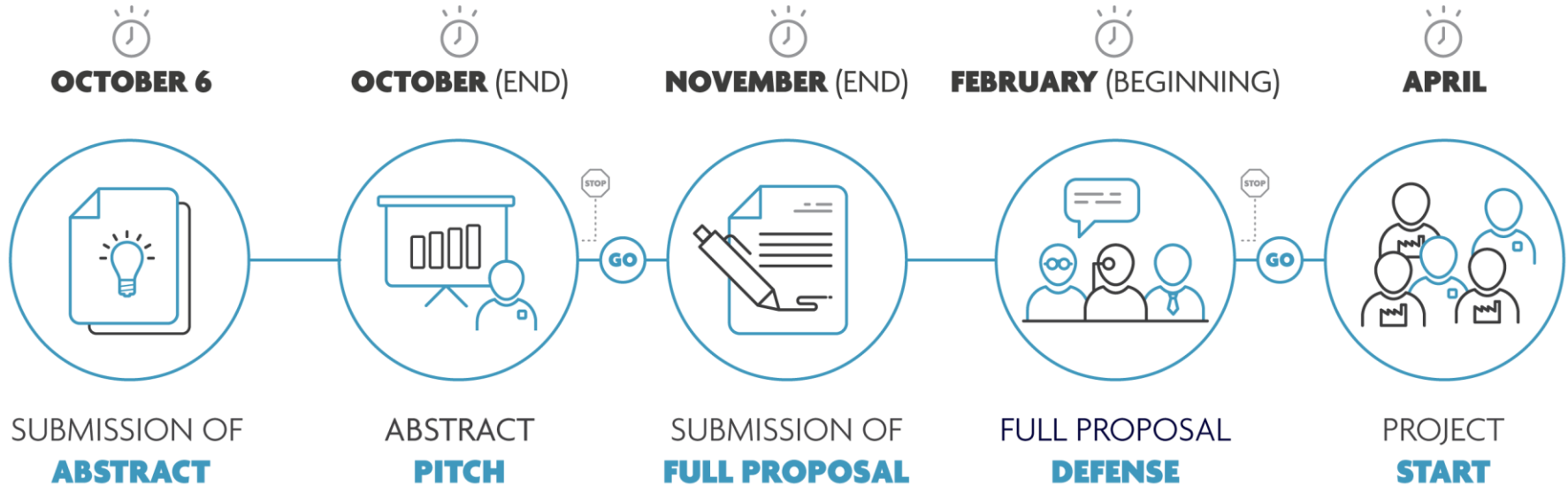
- Extra: tips and tricks

IMEC.ICON – YEARLY CYCLE

FAST PROCEDURE FOR ROADMAP ALIGNMENT



IMEC.ICON EVALUATION PROCESS CALL 2020-2



ABSTRACT PHASE: EXTENDED ABSTRACT



Content Abstract:

- Cause and context of the project
- Innovation goals and outcome
- State of the art and leap of knowledge
- Valorization and Social/economic benefit
- Information on the partners



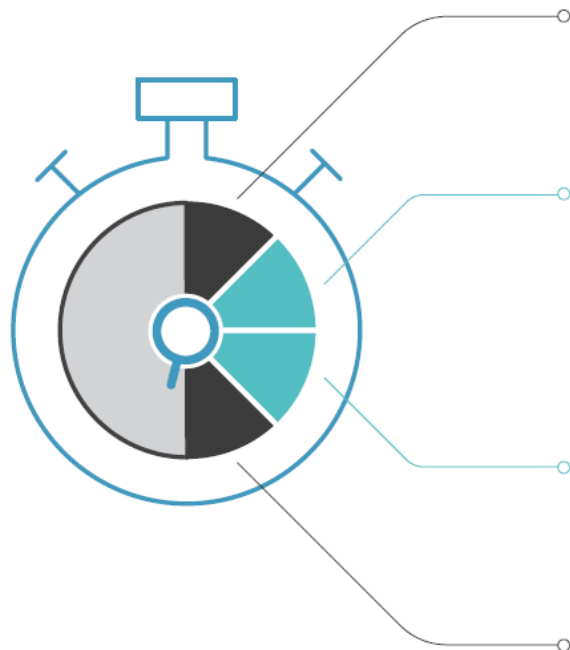
Templates available on imec website

ABSTRACT PHASE: EVALUATION PROCEDURE



- Submit your abstract
- Receive feedback and questions from experts
- Pitch/rebuttal
 - Oral pitch
 - Very short presentation with rebuttal on the feedback and questions from experts (15')
 - Followed by a short Q&A (30')
 - Written pitch
 - Written rebuttal on the feedback and questions from experts

PITCH FLOW



PANEL ONLY

Expressing the most important remarks & questions



CONSORTIUM

Pitch presentation



CONSORTIUM & PANEL

Q&A



PANEL ONLY

Discussion + scoring

*Consortium presence: max. 5 consortium members, incl. research lead and project lead

IMEC.ICON JURY



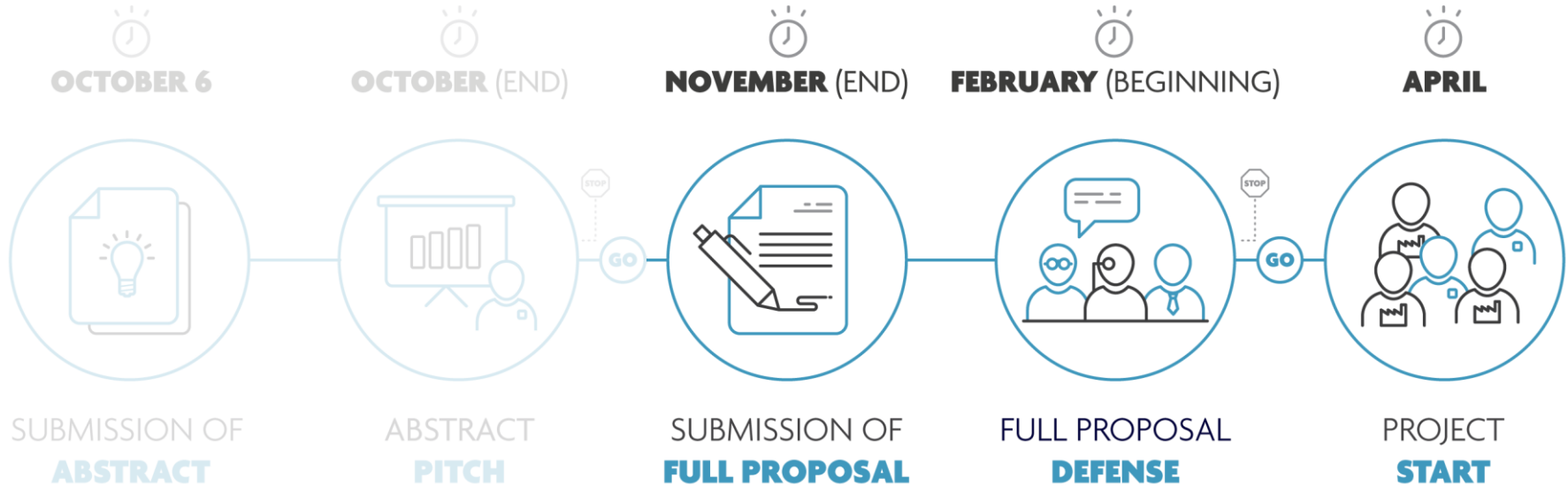
- One jury for all abstracts
- External domain experts
- Focus on general quality, valorization & fit

ABSTRACT PHASE: EVALUATION CRITERIA ALIGNED WITH VLAIO AND INNOVIRIS R&D CRITERIA

- Clearly defined and realistic **research objectives**
- Good social/economic **valorization perspectives** and high **added value** of the project
- Strong **cooperative nature** of the consortium and **market-driven character** of the project
- Well-balanced and sufficient **effort contribution** and realistic **timing**

IMEC.ICON EVALUATION PROCESS CALL 2020-2

FULL PROPOSAL PHASE



There will be a specific info session on the full proposal evaluation

INFO SESSION ON FULL PROPOSAL

NOVEMBER @VLAIO BRUSSELS

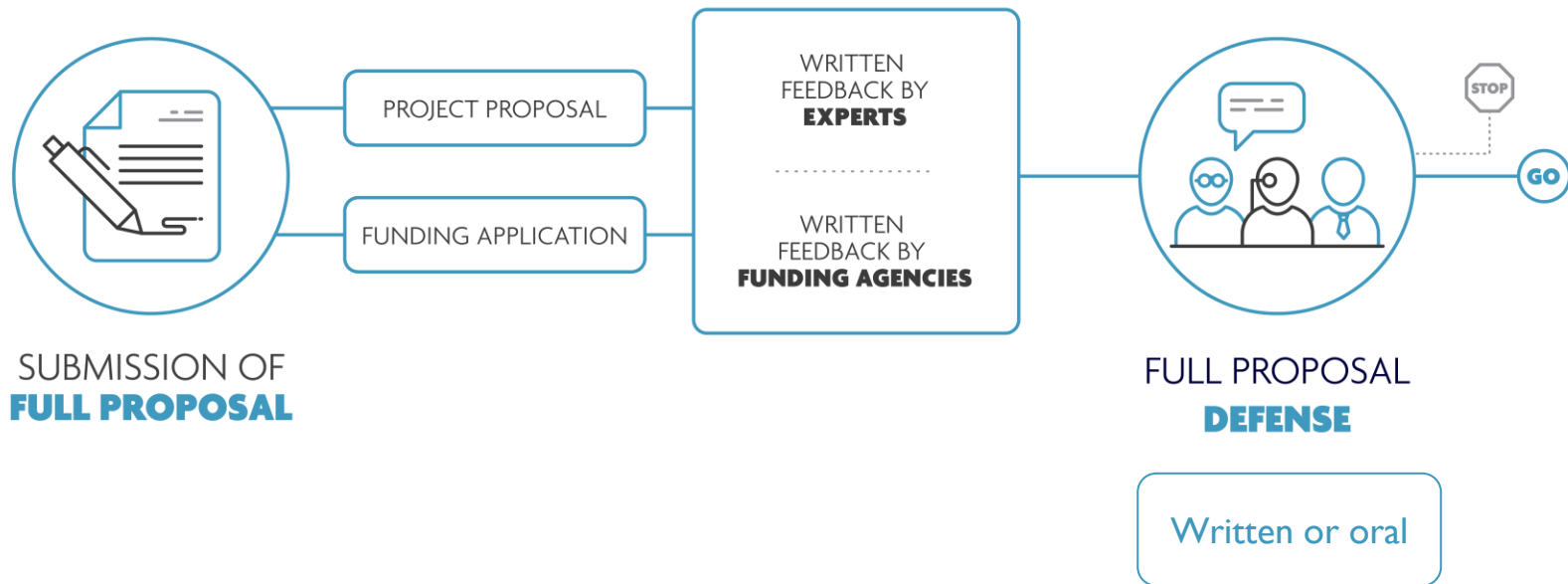
- 10am – 12.30pm: General info session
 - Detailed session with tips & tricks
- 12.30pm – 2pm: lunch and 1-on-1 sessions
- 2pm – 3.30pm: Sessions specific on valorization (industry partners)
 - Co-organized with VLAIO Team Bedrijfstrajecten (Innovatiecentrum)
 - Strongly advised for first-time applicants



High-level content Full Proposal:

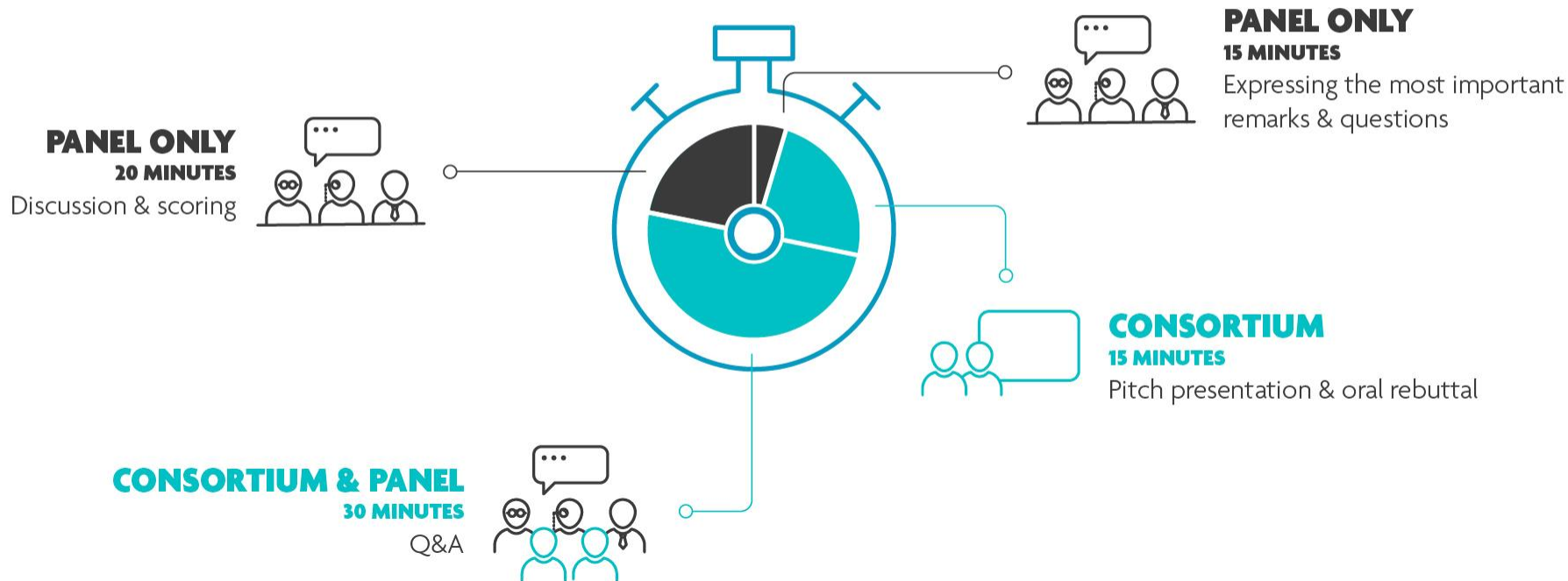
- Information on the whole imec.icon project
 - Cause and context, Innovation goals, Implementation
- Partner-specific information
 - Valorization information
 - Requested funding (if applicable)

FULL PROPOSAL PHASE: EVALUATION PROCEDURE



DEFENSE FLOW

80 MINUTES PER CONSORTIUM



IMEC.ICON FULL PROPOSAL JURY

- **Oral defense** before expert panel: pitch, oral rebuttal and Q&A
 - No instruction meeting any more
 - Written feedback from experts and VLAIO for oral rebuttal and update of business cases
- Panel of **international experts**
 - Experts independent from imec and the project proposals
 - Well-balanced: expert panel covers broad research scope of imec
 - Same expert panel for all proposals (with priority readers)
- Panel reviews both **quality and impact** of proposals
 - Result of oral defense: approval/rejection advice for VLAIO and imec
- Procedure under **VLAIO governance**
 - Chairman: VLAIO representative
 - Secretary: imec.icon program manager

FULL PROPOSAL PHASE: EVALUATION CRITERIA

ALIGNED WITH VLAIO AND INNOVIRIS R&D CRITERIA

- **General criteria for research projects**
 - **Objectives:** clear innovative character, real challenges, leap of knowledge,...
 - **Potential to achieve objectives:** feasible workplan, identified risks, available expertise,...
 - **Impact:** realistic and convincing business case for each partner
 - Details on the business case in a confidential part
 - **Potential to realize impact:** strengths or remarks on market potential, real market(s) of realistic growth, accessibility by the partners, external factors, regulations,...
- **ICON specific criteria**
 - **Effective collaboration between partners:** broad common goal, clear contribution for each partner, interdisciplinary approach,...
 - **Genericity of research:** application potential of the research results outside the consortium
 - **Research by research groups beyond SOTA:** clear added value w.r.t. the state of the art
 - **Compliance with EU state aid rules:** IPR model and term sheet

POSSIBLE OUTCOMES FOR THE FULL PROPOSAL

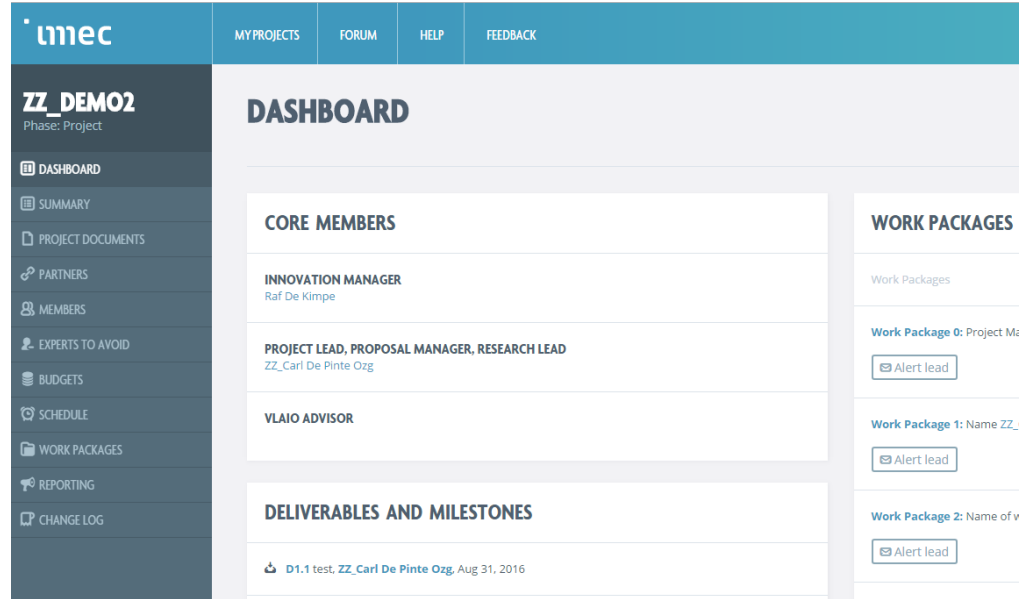
Project funding imec and VLAIO	✓	✓	×
Industry funding VLAIO/Innoviris	✓	×	Not evaluated
	(if 50/50 rule is met)		
	imec EB selects projects based on full proposal evaluation ranking		

HOW TO SUBMIT YOUR APPLICATION

ABSTRACT AND FULL PROPOSAL SUBMISSION: VIA MYPROJECTS

MyProjects:

- Submitting your application
- Follow-up
- Reporting



The screenshot shows the MyProjects dashboard for project ZZ_DEMO2. The interface includes a top navigation bar with 'mec', 'MYPROJECTS', 'FORUM', 'HELP', and 'FEEDBACK'. A left sidebar lists navigation options: DASHBOARD, SUMMARY, PROJECT DOCUMENTS, PARTNERS, MEMBERS, EXPERTS TO AVOID, BUDGETS, SCHEDULE, WORK PACKAGES, REPORTING, and CHANGE LOG. The main content area is titled 'DASHBOARD' and is divided into three columns. The left column, 'CORE MEMBERS', lists 'INNOVATION MANAGER' (Raf De Kimpe), 'PROJECT LEAD, PROPOSAL MANAGER, RESEARCH LEAD' (ZZ_Carl De Pinte Ozg), and 'VLAIO ADVISOR'. The right column, 'WORK PACKAGES', lists three packages, each with an 'Alert lead' button. The bottom section, 'DELIVERABLES AND MILESTONES', shows a single entry: 'D1.1 test, ZZ_Carl De Pinte Ozg, Aug 31, 2016'.



[Tutorials](#) on how to submit

SUBMITTING YOUR PROPOSAL VIA MYPROJECTS

The Proposal manager is responsible for creating and submitting the proposal

- Already a user in MyProjects?

⇒ Use the button in MyProjects

Start a new application

- Not a user in MyProjects?

⇒ Register via website



Start your new abstract as from July 15

no test project necessary

NEED ACCESS TO MYPROJECTS

- If you are **not a Proposal manager**, but you need access to the platform, contact your proposal manager
- How to give access as Proposal manager:
 - Add the member
 - Give him a specific role or the role 'generate user'
 - The member will receive a mail with login information

MYPROJECTS

OVERVIEW OF THE ROLES

Role	What?	Who?	Access	How?	User?	Obligated?
Project lead	representative of the External partners	Project lead	all access	By editing Summary	Y	Abstract
Research Lead	Representative of the Research partners	Research Lead	all access	By editing Summary	Y	Abstract
Proposal Manager	Responsible for the submission proposal	Proposal manager	all access	By editing Summary	Y	Abstract
Core Role Delegate	For administrative support	e.g. Co-workers of the core roles	all access	By editing member	Y	No
Financial Lead	submitting financial report		can view project information + upload documents + access to edit the financial report	By editing member	Y	Full Proposal
Financial Lead without personnel cost details	submitting financial report		can view project information + upload documents + access to edit the financial report excluding personal costs	By editing member	Y	no
Workpackage Lead		Workpackage lead	can view project information + upload documents+ access to edit the status report for own workpackages	By editing WP	Y	Project ongoing
Generate User (no specific role)			can view project information + upload documents	By editing member	Y	no
Legal lead			no access	By editing member	N	no
Steer Co			no access	By editing member	Y	Project ongoing
Primary Contact for imec	Will be contacted by imec for important communication (decisions,...)		no access	By editing member	N	Abstract
University Lead	submitting financial report		can view project information + upload documents + Can change financial information of different research groups of one university	By editing member	Y	no

ZZ_ICON-2017-2...

Phase: Abstract

[Validate Submission](#)[DASHBOARD](#)[SUMMARY](#)[PROJECT DOCUMENTS](#)[PARTNERS](#)[MEMBERS](#)[EXPERTS TO AVOID](#)[CHANGE LOG](#)

DASHBOARD

CORE MEMBERS

PROPOSAL MANAGER

ZZ_Sanne Willems Ext

ABSTRACT SUBMISSION: VIA MYPROJECTS

TO DO'S

	Add directly	Upload	
Content	<ul style="list-style-type: none">• Project metadata• Partners + MM• Members + roles• Experts to avoid	<ul style="list-style-type: none">• Abstract doc (doc/PDF)• Resubmission letter• Motivation letter	<ul style="list-style-type: none">• Pitch slides (ppt)
	Deadline: October 6		1 day before pitches

!! Check VAT number of partners !!

ABSTRACT SUBMISSION: VIA MYPROJECTS

DIRECTLY IN MYPROJECTS

- Project metadata
 - Acronym
 - Project lead – research lead – proposal manager
 - Executive summary
- Partners + MM
- Members
 - Primary contact
 - Core role delegate
- Experts to avoid



Check VAT number of partners

ABSTRACT SUBMISSION: VIA MYPROJECTS

ABSTRACT DOCUMENT

- Cause & Context
- Innovation goals and outcome
- SOTA and leap of knowledge
- Valorization
- Details on partners



Abstract not eligible if over character limits

ABSTRACT SUBMISSION: EXTRA DOCUMENTS

EXTRA DOCUMENTS

- Pitch slides

If necessary:

- Resubmission letter
 - If your project has been submitted before in ICON AND if you have approval from imec to resubmit
- Motivation letter for new research groups
 - If it's the first time the research group participated in ICON

ZZ_ICON-2017-2...

Phase: Abstract

DASHBOARD

SUMMARY

PROJECT DOCUMENTS

PARTNERS

MEMBERS

EXPERTS TO AVOID

CHANGE LOG

PROJECT DOCUMENTS

The maximum size per document is 25MB. If you have a document that is larger or another file type, please contact icon@imec.be and transfer by a manner of your own choosing.

TEMPLATES

ICON ABSTRACT

What? Document containing the offline sections of the ICON Abstract.

Templates

Template (ENG)

[Link to template](#)

ICON ABSTRACT MOTIVATION LETTER

What? Motivation letter for first-time research groups:
First-time research groups in ICON that want to request research funding from iMinds, have to provide a motivational side letter.

This document is free format, but needs to contain the following elements:

- Which research group? (university - faculty - research group...)
- Why did the consortium choose this research group?
- The document needs to be signed by the Research lead.
- Length: 0.5-1 A4 page
- Language: free choice NL or Eng

ICON ABSTRACT PITCH SLIDES

What? PowerPoint template for the slides for the pitch before the expert panel.

ICON ABSTRACT RESUBMISSION LETTER

What? If an ICON project already has been submitted in a previous call, the following procedure needs to be followed:

- Prior to resubmission, a mandatory meeting has to be set up with COO (Danny Goderis) and the instrument leader (Piet Verhoeve) to discuss the feedback & modifications for resubmission. Please contact els.van.bruijstegem@iminds.be in order to set up such a meeting.
- Prepare a resubmission document prior to the meeting, that contains a description of the major changes between this submission and the previous one (what will be added/removed/clarified...). This document is free format (e.g. one pager, slideset).
- The meeting will result in a decision if a resubmission will be considered.
- The resubmission document needs to be uploaded on the MyProjects platform (same deadline as the abstract document).
- The resubmission document will be sent to the evaluation panel together with the abstract information.

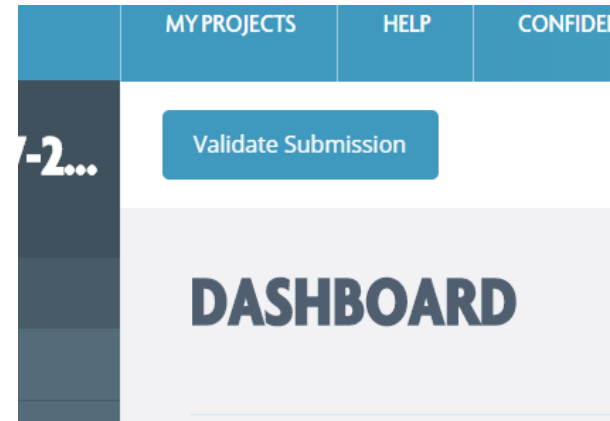
ADD DOCUMENT

Project Document Type

--None--

VALIDATE AND SUBMIT YOUR PROJECT

- Steps to submit your project as a proposal manager
 1. Start your application
 - ① don't wait until the end of September
 1. Fill in all information and upload the necessary documents
 2. Validate to check if all information is correct
 - ① you can validate as many times as you want
 3. Submit the project using the submission button



CONTRACTS

ICON NDA AND LOI

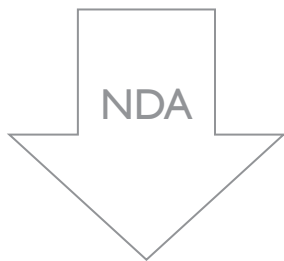
- **Non Disclosure Agreement (NDA)**
 - Recommended to use from abstract phase onwards
 - Own choice consortium
- **Letter Of Intent (LoI) or Letter of Declaration (LoD)**
 - Mandatory at full proposal phase
 - LOD for VLAIO application/LOI for all other partners
 - Template not be changed. May be submitted in English or in Dutch
 - Content:
 - Intention of each partner to implement its own task package
 - Acceptance of the imec.icon Consortium Agreement
 - Termsheet with IPR framework

IMEC.ICON NDA AND LOI



Today

First talks on the project

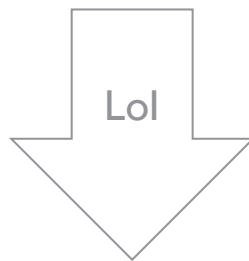


Recommended
as soon as project talks start



October

Abstract submission

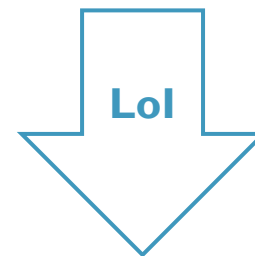


Recommended
as of abstract submission



November

Full proposal submission



Mandatory
(part of full proposal submission)

CONTRACTS TO BE SIGNED AFTER PROJECT APPROVAL

- **Collaboration Agreement (CA, Samenwerkingsovereenkomst)**
 - Binding for **all** parties
 - imec (incl. universities) and all industry partners
 - Stating imec's and all partners' research input
 - Aspects: project description, operations through steering groups, ownership of results, publication rights, background IPR, ...
- **User group Agreement (if applicable)**

AGENDA

- Introduction to imec
- imec.icon program, project modalities and IPR model
- Example projects
- Application procedure
- **VLAIO and Innoviris funding**
- Next steps

- Extra: tips and tricks

APPLYING FOR VLAIO OR INNOVIRIS FUNDING

- Funding application within the imec.icon procedure

- VLAIO (Flemish region)

AGENTSCHAP
INNOVEREN & ONDERNEMEN

- Innoviris (Brussels region)

 **innoviris**
.brussels 
we fund your future

FUNDING BY
AGENTSCHAP INNOVEREN & ONDERNEMEN
www.vlaio.be

FUNDING BY VLAIO: ELIGIBILITY

- For organizations (companies or non-profit) with activities in Flanders
- For innovation topics in all domains, restrictions for military and dual use applications: <https://www.vlaio.be/nl/subsidies-financiering/onderzoeksproject/voorwaarden/projecten-met-militair-tweeerlei-gebruik-dual>
- Since October 2017: **no funding** for companies in difficulties (European definition):
 - Criteria for all companies: equity is less than 50% of the share capital
 - For large companies, two extra criteria:
 - Debt to equity ratio > 7,5
 - EBITDA interest coverage ratio < 1,0
 - More information on <http://www.vlaio.be/onderneming-in-moeilijkheden>

FUNDING BY VLAIO: BUDGET

- **Budget contains:**
 - Payroll costs: gross salary x (factor 1,00 – 1,68 depending on benefits one may have)
 - Other costs: max. € 40.000/FTE (of which max. € 20.000 indirect costs, direct costs to be listed)
 - Possibly large subcontractors (> € 8.500, offer with price detail needed)
- **Funding = percentage of budget**

FUNDING BY VLAIO: PERCENTAGES

- Basic funding percentage
 - 50% for research activities; 25% for development activities
 - Differentiation based on **important challenges and risks**
 - Considering activities per partner or per work package
- Extra funding
 - SME
 - Upto +20% (SE) and upto +10% (ME)
 - **No longer +10% for collaboration within an ICON-context**
- Basic funding + extra funding:
 - min. 25%
 - **Overall max. 60% for a research project and max. 50% (45%) for a development project**



FUNDING BY VLAIO: RESEARCH/DEVELOPMENT

- Basic funding percentage
 - 25% for a development project
 - 50% for a research project
- Differentiation based on **important challenges and risks**
- Which knowledge will be used?
 - No funding when purely using existing know-how
 - Development: new knowledge applied to your business
 - Research when step forward w.r.t. state-of-the-art
- Considering activities per partner/work-package



FUNDING BY VLAIO: CRITERIA

- Innovation goals: innovative character, challenges,...
- Potential to reach the innovation goals: feasibility manpower, expertise,...
- Impact: business case, focus on delta with project,...
- Potential to reach impact: market access, go-to-market strategy,...
- Additionality: why is funding needed?

INNOVIRIS

FUNDING BY INNOVIRIS: ELIGIBILITY

- **Companies which:**
 - Develop all or some of their activities within the Brussels-Capital Region
 - Are not in difficulty, in accordance with the European legislation
 - Are proposing a R&D project presenting the development, completion or implementation of an innovative product, process or service
 - Can show their ability to finance their share in the project
 - Have fulfilled their obligations in the context of previous support initiatives granted by the Region.

- **SMEs and Large Enterprises**

FUNDING BY INNOVIRIS: RESEARCH vs DEVELOPMENT

- imec.icon industry partners can apply for R&D funding
- R&D project
 - **Industrial Research:** series of activities carried out with a view to acquiring new skills and innovative scientific knowledge designed to develop a product, procedure or service.
 - **Experimental Development:** activities designed to apply the results of industrial research in the form of prototype products, procedures or services.
- Not exclusively Brussels partners within imec.icon consortium (at least 3 in Flanders)

FUNDING BY INNOVIRIS: PERCENTAGES

- **Basic funding percentage of Budget**
 - 25% development project
 - 50% research project
- **Extra funding**
 - SME
 - SE (+20%) / ME (+10%) (in case of doubt: contact Innoviris)
 - Collaboration +15% when, considering the project part for which funding is granted,
 - Contains at least 1 SME as project partner and
 - None of the partners contributes more than 70% of the budget → in ICON-project fulfilled
- **Basic funding + Extra funding: min. 25% max. 80%**

FUNDING BY INNOVIRIS: IMPORTANT EVALUATION CRITERIA

- Strategic and economic impact (Incentive effect of the financial aid, FP, BP, ...)
- Valorization: economic impact for the Brussels Region
- Adequate valorization information is part of eligibility for Innoviris application
- Attendance full proposal info session incl. preliminary discussion with Innoviris adviser is strongly recommended, especially for companies with no or little experience with Innoviris funding

AGENDA

- Introduction to imec
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- Example projects
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- Next steps
- Extra: tips and tricks

THINGS TO DECIDE

- Project idea
- Consortium
 - Industry partners
 - Research partners
 - User group members (if needed)
- Proposal manager
 - Start abstract in MyProjects
 - Set up MyMinds space

EARLY-CONSORTIUM CONTACT MOMENTS

- Who?
 - Consortium with an imec Innovation Manager
- What?
 - Sparring with consortium: idea, approach,...
 - Is imec.icon the right instrument?
 - Match-making with extra partners (e.g., missing expertise)
- How?
 - Physical or online meeting
 - Optional, upon request by consortium
 - Fix a date via [this form](#)

AGENDA

- Introduction to imec
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- VLAIO and Innoviris funding
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- Extra: tips and tricks

EXTRA:TIPS AND TRICKS

TOPICS

- Example sparring questions
- Tips for writing convincing research goals
- Specific attention points for AI projects and projects dealing with user data
- Attention points for ICON-specific evaluation criteria
- Tips for valorization

CONTACTS

CONTACTS FOR IMEC.ICON

**IMEC.ICON
PROGRAM MANAGER**

○—○ Steven Van Assche



**QUESTIONS REGARDING CALLS,
WEBSITE, MYPROJECTS, IP & CONTRACTS**
icon@imec.be

○—○
○—○
○—○ Sanne Willems/
Laura De Sutter
Charlotte Waegebaert



QUESTIONS REGARDING CONTENT

Annelies Vandamme



Eric Moons



Kasper Jordaens



Eric Van der Hulst



CONTACTS FOR ICON

- Questions regarding **VLAIO funding**

- [Marc Tiri](#)

AGENTSCHAP
INNOVEREN & ONDERNEMEN



- Questions regarding **Innoviris funding**

- [Stijn Maas](#)

innoviris.brussels 
empowering research





embracing a better life

IMEC.ICON TIPS AND TRICKS

CONTENTS

- Example sparring questions
- Tips for writing convincing research goals
- Specific attention points for AI projects and projects dealing with user data
- Attention points for ICON-specific evaluation criteria
- Tips for valorization

EXAMPLE SPARRING QUESTIONS

Research challenges

- What are the innovation goals and research challenges? Are they clearly formulated?
- How do they relate to the SotA? Are the research challenges sufficiently ambitious?
- What will be the demonstrators and how will they validate the innovation goals?

Consortium

- Is the consortium capable of tackling the research challenges?
- Is the required expertise available?
- Are the contributions of the partners balanced and a good fit for the research challenges?
- Will the consortium engage in real collaboration?

Valorization

- What are the valorization plans of the industry partners? How will they integrate the technologies and project results into their products/services?
- How will the industry partners (together or separately) bring (parts of) the innovation to the market? What is the likelihood that they will be successful?
- Are there any parties missing in the consortium for successful valorization? If so, how will they be involved in the project (e.g., through user groups, ...)?

ICON RESEARCH GOALS

1. Converge and align on the overall **project objective(s)**
 - What do you aim to achieve in the project?
 - What will the demonstrator look like?
2. Identify the **difficult problems** to be solved in the path to the realize the deliverables
3. Identify the **research goals**
 - Ensure the goals are **ambitious**
 - Improving on the SotA → **research** challenges
 - While still in line with the competence and the means of the partners
4. Define **measurable success criteria** for the research goals

ICON RESEARCH GOALS

CHARACTERISTICS OF GOOD GOALS

- **Specific:** what challenging problems need to be solved
- **Concise:** capture the essence of the challenge
- Realization that can be **verified:** measurable, preferably quantified
- Success criteria must be **positioned against the SotA**
 - SotA scope: worldwide, EU, market segment, organization
 - Is a measure of the risks and ambitions
- Innovation goals are **not to be confused with project activities or deliverables!**

ICON RESEARCH GOALS

FICTIVE EXAMPLE

Innovation objective: ***gain competitive edge with a consumer TV with world class display***

Requires research to make substantial steps in specific domains:

Concrete research goals	Ambition	State of the art	Specific criteria	Measurable
Resolution (pixel density)	↑↑	Best in class: 150 pixels/cm	200 pixels/cm	Y
Color gamut	↑↑	Rec.709	Rec.2020	Y
Brightness	↑	LCD: 600 nits;	800 nits	Y
Power	↓	AMOLED: 15mW/cm ²	5mW/cm ²	Y
Compatible with common semiconductor processes	+	11th generation fab processes	Per fab requirements	Verifiable
Radiologists QoE	↑	MOS = 4.0 on reference monitor	MOS = 4.4	Y

PROJECT APPROACH

SPECIFIC ATTENTION POINTS

- **AI projects**
 - Need credible approach to
 - collecting sufficient and relevant data
 - training AI algorithms
 - validating AI algorithms
 - Within 2-year project duration and with the project partners / user group members
- **Projects dealing with user data**
 - Compliance with General Data Protection Regulation (GDPR)
 - Consultation of mandatory ethical committees and voluntary ethical boards
 - Data management and governance plan
 - Suggestion: DMPonline (<https://dmponline.dcc.ac.uk/>)
 - Can be part of research activities

ICON-SPECIFIC CRITERIA

ATTENTION POINTS

- Real collaboration
 - Collaboration (also between industry partners) is a **clear goal of the project**
- Generic character of research
 - Broader applicability of the results of the research groups **beyond the consortium** and the use cases of the companies
 - Research activities are **independent** from the industry partners
 - In case of possible conflict of interest: explain how it will be handled
- Research beyond the state of the art
 - Only **high-risk research activities** can be funded at 100%
 - Ensuring beyond SotA character of research activities is an important responsibility of the **research lead**
- Compliance with EU state aid rules
 - Now handled in Letter of Intent

VALORIZATION BY INDUSTRY PARTNERS

ATTENTION POINTS

- Sufficient valorization in Flanders/Brussels is key for funding: need increase in **qualitative employment** and/or **investments**
- Business case should give **convincing economic rationale**
 - Unique Selling Propositions (UPSs) of envisioned innovation for target market
 - Credible go-to-market strategy
 - Realistic revenue increases
 - Extra employment and/or investments
- Requests for **research funding** must be substantiated: elaborate on ambitions beyond the state of the art and the risks of **the company's** activities
- Check for **fundability** with VLAIO and Innoviris
 - E.g., against Undertaking-in-Difficulty / “Onderneming-in-Moeilijkheden” (OIM) requirements



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