

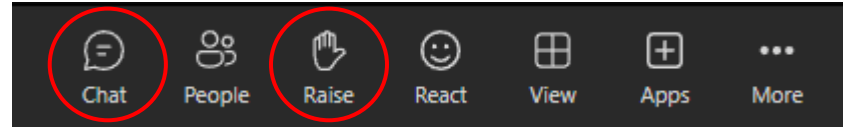


IMEC.ICON INFORMATION SESSION

| imec.icon CALL 2023-1

WEBINAR

- You are all put on mute
- If you have a question:
 - Type your question in the chat
 - Raise your virtual hand and we will unmute you
- This session will be recorded and shared with you afterwards



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

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A pair of hands is shown from the bottom, cupping a glowing Earth globe. The globe is illuminated from within, showing continents and oceans in a warm, golden-brown hue. The background is dark and filled with soft, out-of-focus light spots, suggesting a starry or cosmic environment. The overall mood is one of care, responsibility, and global impact.

As a **world-leading R&D** hub, we aspire the impossible and aim for **disruptive innovation**. We maximize societal impact by creating **smart sustainable solutions** that enhance **quality of life**.

At imec, we shape the future.

KORTRIJK
SMART EDUCATION

ANTWERP
CITY OF THINGS

 Universiteit
Antwerpen


UNIVERSITEIT
GENT

 VRIJE
UNIVERSITEIT
BRUSSEL

LEUVEN
HEADQUARTERS

GENK
ENERGYVILLE

 **UHASSELT**

 **KU LEUVEN**

GHENT
SMART APPLICATIONS

BRUSSELS
EU HUB

IMEC R&D PLATFORMS

APPLICATION DOMAINS

SMART HEALTH



SMART MOBILITY



SMART CITIES



SMART INDUSTRIES



SMART ENERGY



SMART EDUCATION



SMART INFOTAINMENT

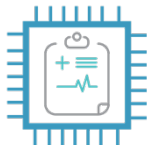


SMART AGROFOOD

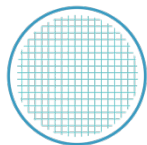


SEMICONDUCTOR & SYSTEM TECHNOLOGIES

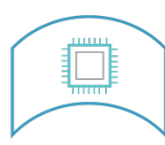
CORE CMOS



SENSOR TECHNOLOGY



FLEXIBLE TECHNOLOGY



PATTERNING TECHNOLOGY

LOGIC TECHNOLOGY

MEMORY TECHNOLOGY

INTERCONNECT TECHNOLOGY

3D INTEGRATION OPTICAL I/O

DIGITAL TECHNOLOGY PLATFORMS

CONNECTIVITY & NETWORKING



DIGITAL PRIVACY & SECURITY



DATA MANAGEMENT & ARTIFICIAL INTELLIGENCE



IMEC BUSINESS MODELS TO CREATE IMPACT


R&D
COLLABORATION

An icon representing R&D Collaboration. It features two overlapping speech bubbles. The top bubble contains three interlocking gears, and the bottom bubble contains a bar chart with three bars of increasing height.

DEVELOPMENT

An icon representing Development. It shows a hand holding a wrench, positioned as if working on a lightbulb. The lightbulb has several short lines radiating from its top, symbolizing an idea or innovation.

VENTURING
STARTUPS & FUNDS

An icon representing Venturing. It depicts a rocket ship launching from a launchpad. The launchpad is shown as a series of curved lines, and the rocket is rising vertically.

IMEC BUSINESS MODELS TO CREATE IMPACT

R&D
COLLABORATION



DEVELOPMENT



VENTURING
STARTUPS & FUNDS



IMEC BUSINESS MODELS TO CREATE IMPACT

R&D
COLLABORATION



DEVELOPMENT



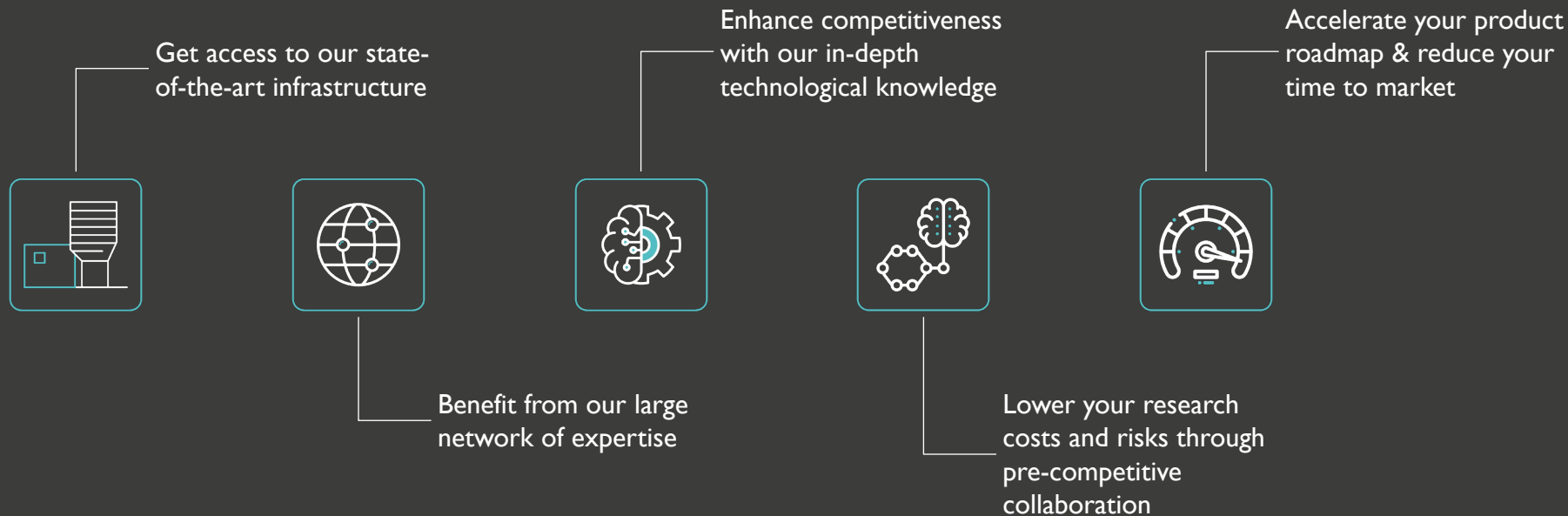
VENTURING

STARTUPS & FUNDS



low-barrier access applied research
between imec and industry

IMEC R&D COLLABORATION MODELS ANSWERING YOUR NEEDS

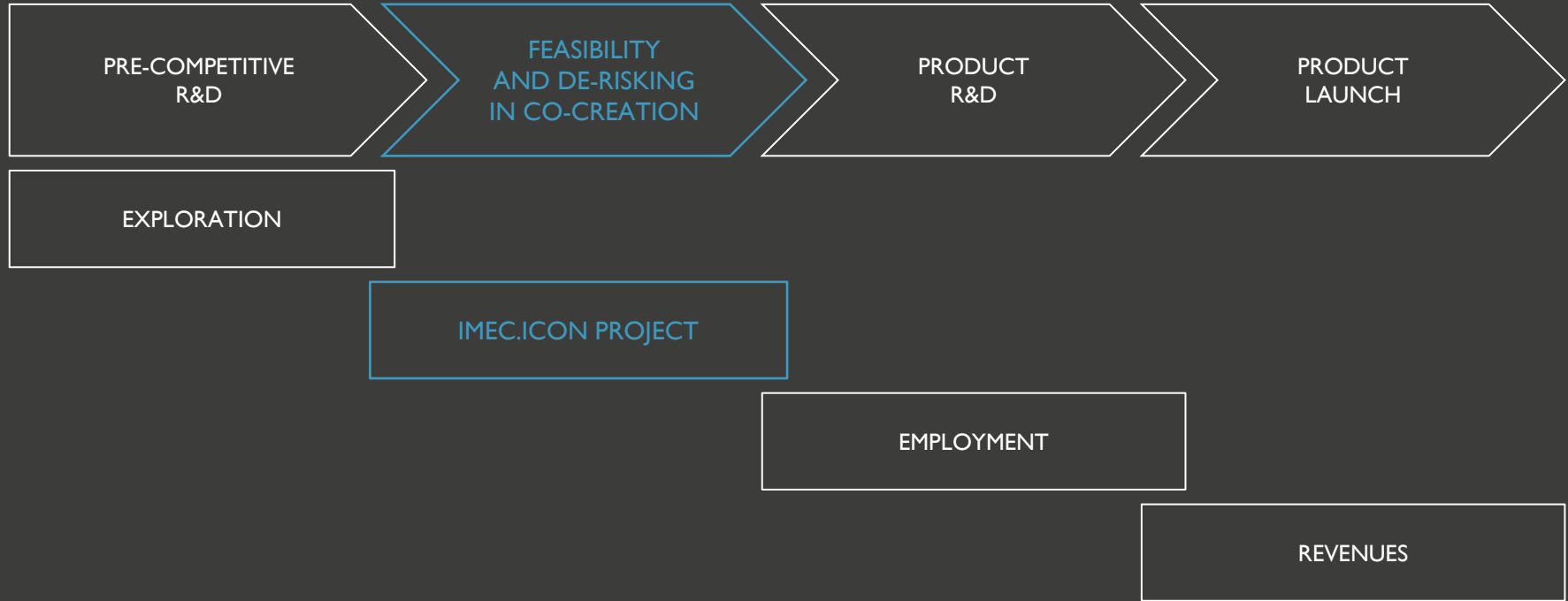


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THE POSITION OF IMEC.ICON IN THE R&D LIFE CYCLE



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

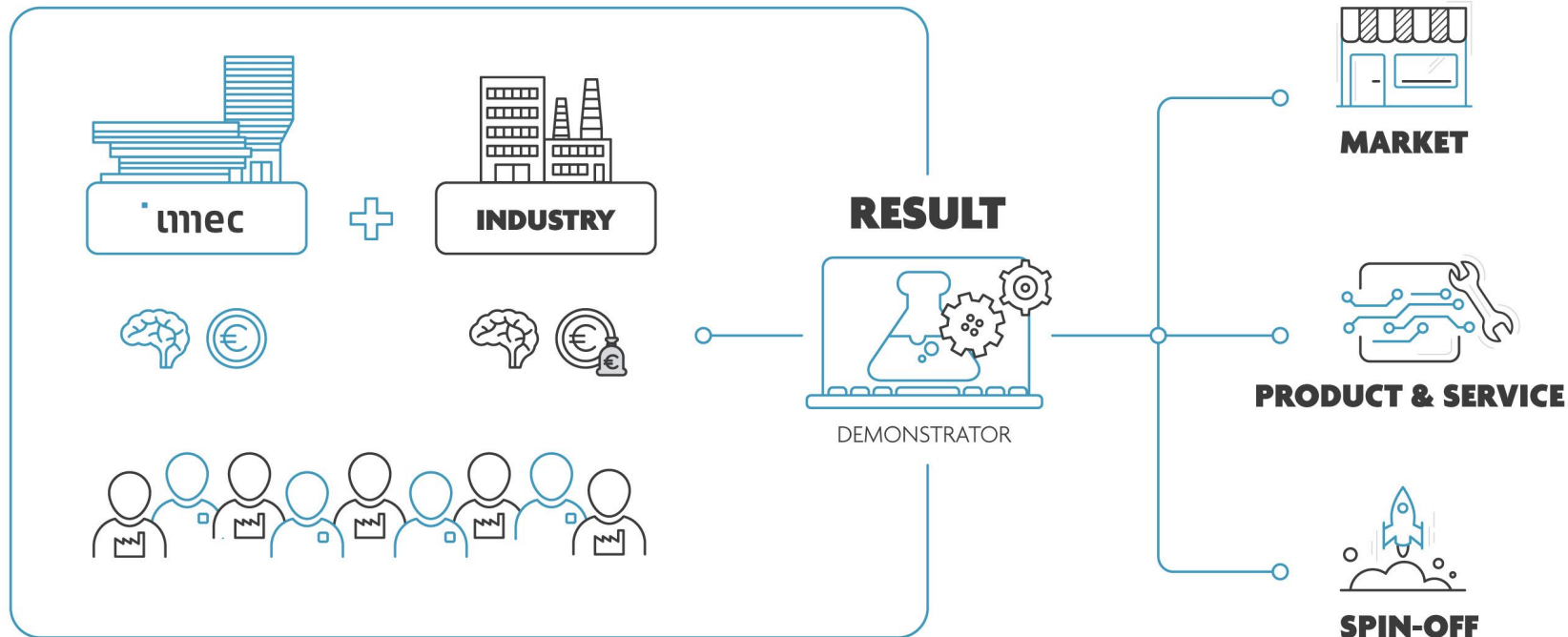
TRL 7 – system prototype demonstration in operational environment

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



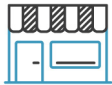
Balanced consortium
balanced contribution of industry
and research partners



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 to 3 year duration

IMEC.ICON KEY FIGURES 2012 – 2022



18
CALLS ORGANIZED



347
PROJECT PROPOSALS



135
PROJECTS APPROVED



€ 107M
RESEARCH FUNDING



396
PARTNERS
INVOLVED



69%
FIRST TIME PARTNERS
PER CALL



6X
LEVERAGE ON PUBLIC FUNDING
WITHIN COMPANIES



61%
INDUSTRY CONTRIBUTION



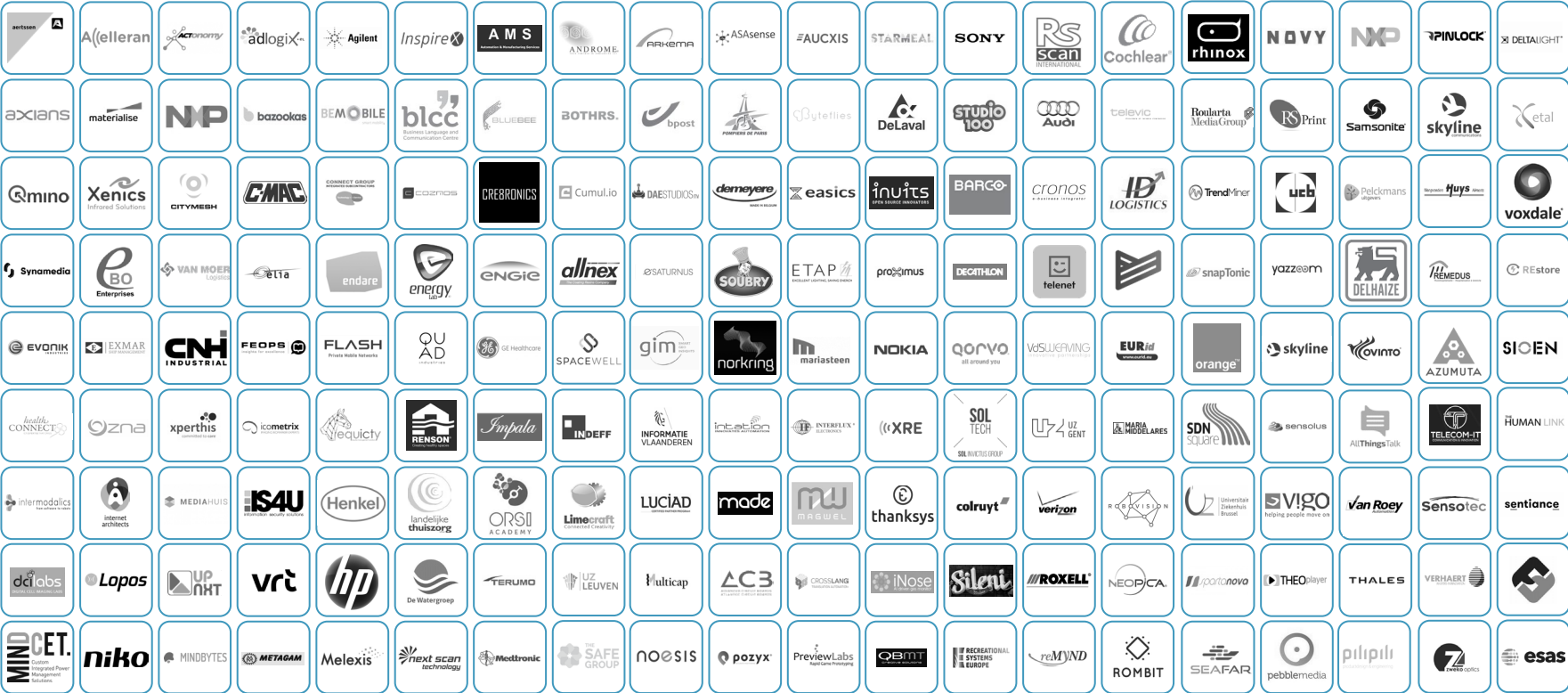
€ 2.1M
AVERAGE PROJECT
SIZE



51%
SME PARTICIPATION



396 IMEC.ICON PARTNERS AND COUNTING



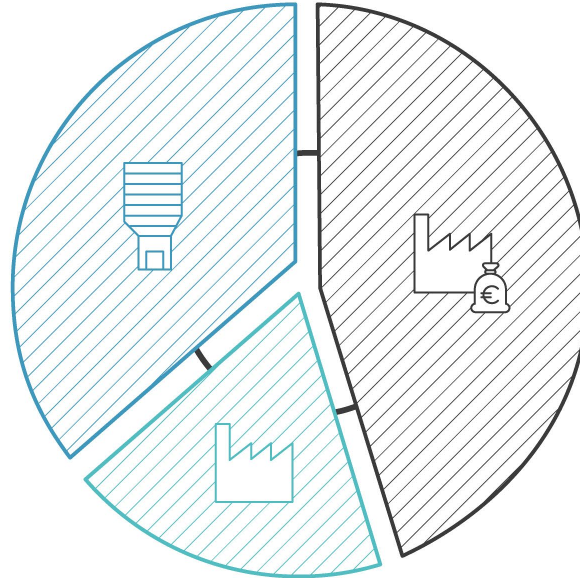
IMEC.ICON CONSORTIUM

RESEARCH GROUPS



Min. 2 groups

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



INDUSTRY PARTNERS



Min. 3 independent companies,
of which **2 Flemish** companies

(+ Brussels region, Belgium, international)

IMEC.ICON CONSORTIUM

RESEARCH GROUPS

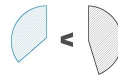
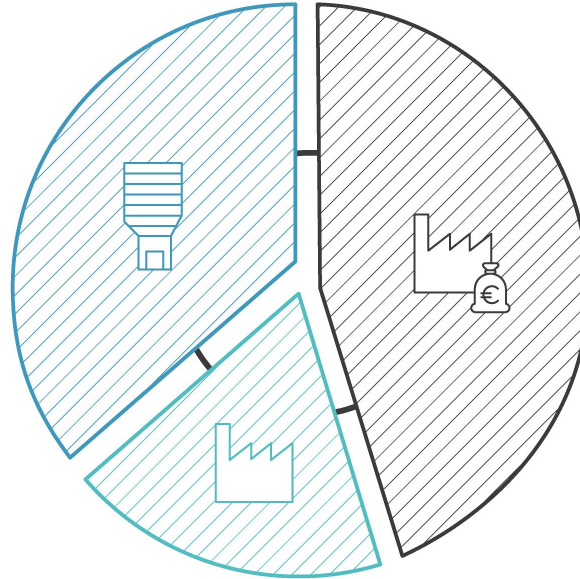


Min. 2 groups

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

FUNDED RESEARCH GROUPS

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



INDUSTRY PARTNERS



Min. 3 independent companies,
of which **2 Flemish** companies

(+ Brussels region, Belgium, international)

FUNDED INDUSTRY PARTNERS

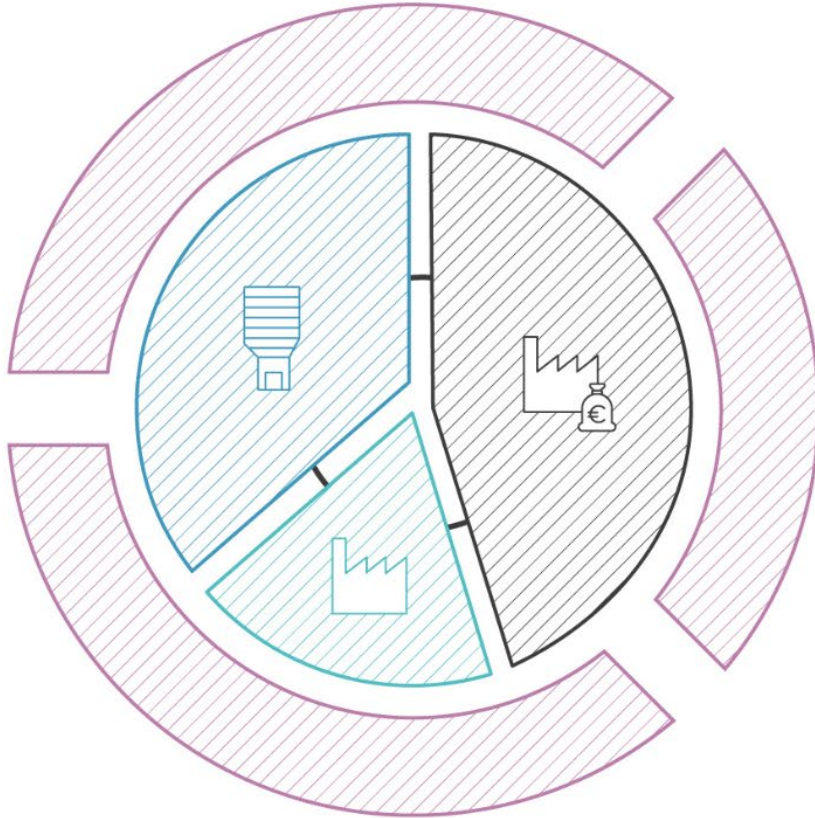
- VLAIO (Flanders)
- Innoviris (Brussels region)

INDUSTRY PARTNERS WITH OWN FUNDING

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

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

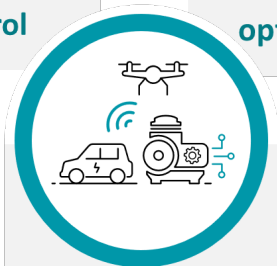
PARTNERS WITH IMEC IN IMEC.ICON PROJECTS



Decision
& control



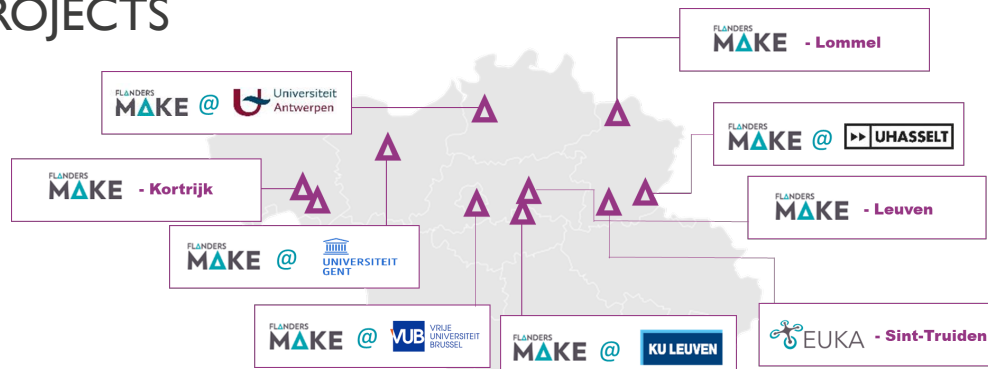
Design &
optimisation



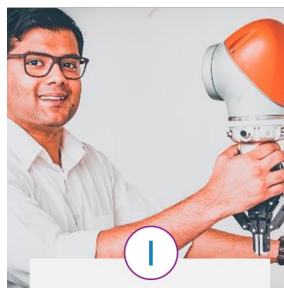
Motion
products



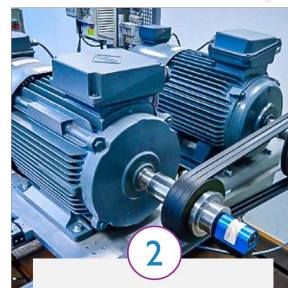
Flexible
assembly



650+ highly specialised researchers



1
Production



2
Machines



3
Vehicles

SMART EDUCATION IN IMEC.ICON

SMART EDUCATION EXTENSION PROJECTS



- Objectives
 - Enable **evidence-based validation** of effects of EdTech in schools
 - Increase **adoption rate** for EdTech by Flemish schools
- Schools can receive funding from imec budget
 - Funding of staff costs and operational costs
 - Activities: **experimenting** with cutting-edge EdTech, **validating** the added value of the technologies developed in the project and broad **dissemination** of the insights

RESULTS AT THE END OF THE IMEC.ICON PROJECT

PROOF-OF-CONCEPTS / DEMONSTRATORS



- **Minimum experimental setup** needed to validate innovation goals
- Ranges 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, end-users and stakeholders

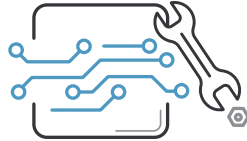
RESEARCH AMBITION IN IMEC.ICON FOR RESEARCH GROUPS

- Research goes **beyond the state of the art**
- Research is sufficiently **generic**
 - Inspired by the companies' use cases and working together with the companies on their use cases, **not directed by the companies**
 - There is a **broader application potential** beyond the use cases of the involved companies
- **Broad dissemination** of the research results
 - Types: publications, presentations, demonstrations, PhDs, follow-up projects, IP licences, etc.
 - New in full proposal: **research valorization plan** and **dissemination workpackage**
 - Consider setting up a **user group**

VALORIZATION



Entering new markets or targeting new customer segments

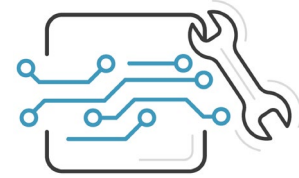


Launching new product line or improving current products or services



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

IMPACT OF AN IMEC.ICON PROJECT



- Added value of the project **for your company**
 - Economic: companies absorb the project results in their innovation path
 - They plan a positive impact on their business: new or improved products, processes, services
 - Leading to business growth, extra revenues, larger margin, larger market share, expansion, new ventures...
- Added value of the project **for the funding region (Flanders/Brussels)**
 - Economic: extra qualitative employment and extra investments in the region
 - Social: added value to the target group in the region
 - Quantification: added value through employment and investments > 10x funding
- Types of valorization: collective, partially collective or individual
 - **Every** industry partner has to present an ambitious valorization plan
 - The **economic** impact needs to be quantified and needs to be sufficiently large

INTELLECTUAL PROPERTY RIGHTS (IPR)

- The IPR model in imec.icon is **fixed**
- The imec.icon IPR model complies with **EU state aid rules**
- 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: exclusive access to Foreground is **not 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

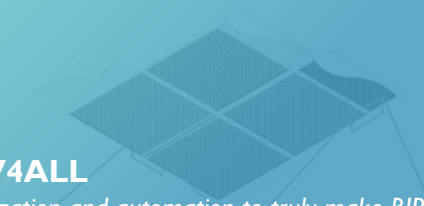
Q&A

AGENDA

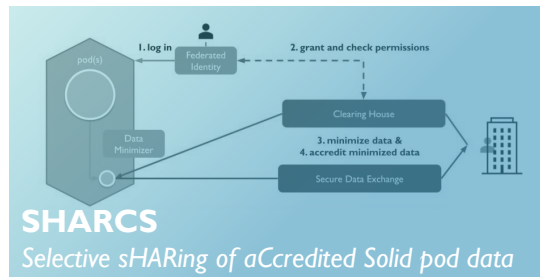
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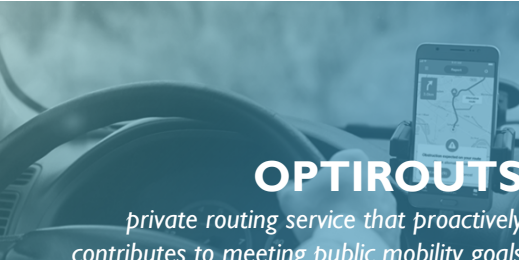
PROJECTS IMEC.ICON 2022



BIPV4ALL
digitalization and automation to truly make BIPV affordable for all



MULTIPLICITY
Multiple Lasers and Integrated Cameras for Increasing Trustworthy Yields in Additive Manufacturing



OPTIROUTS
private routing service that proactively contributes to meeting public mobility goals

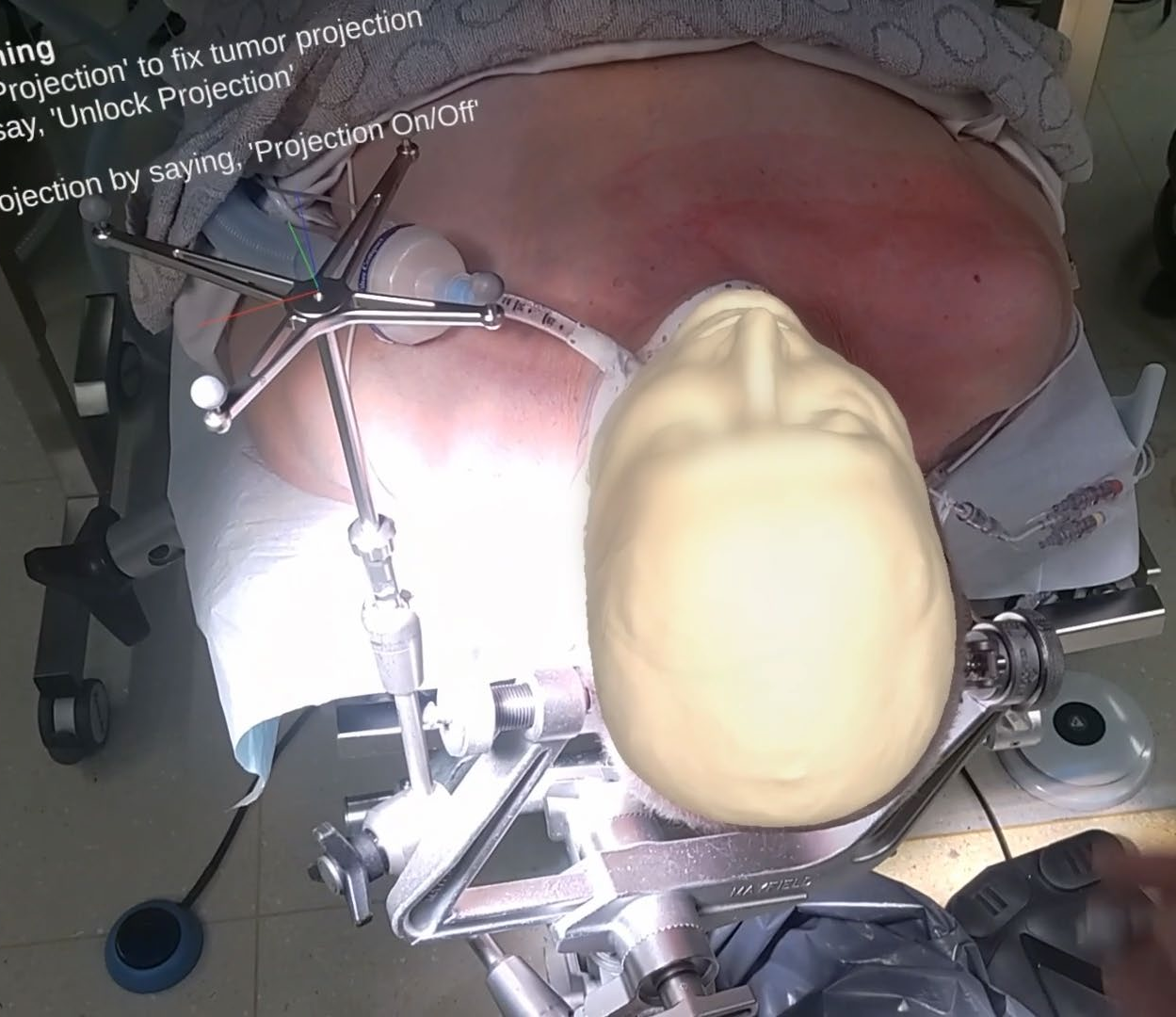


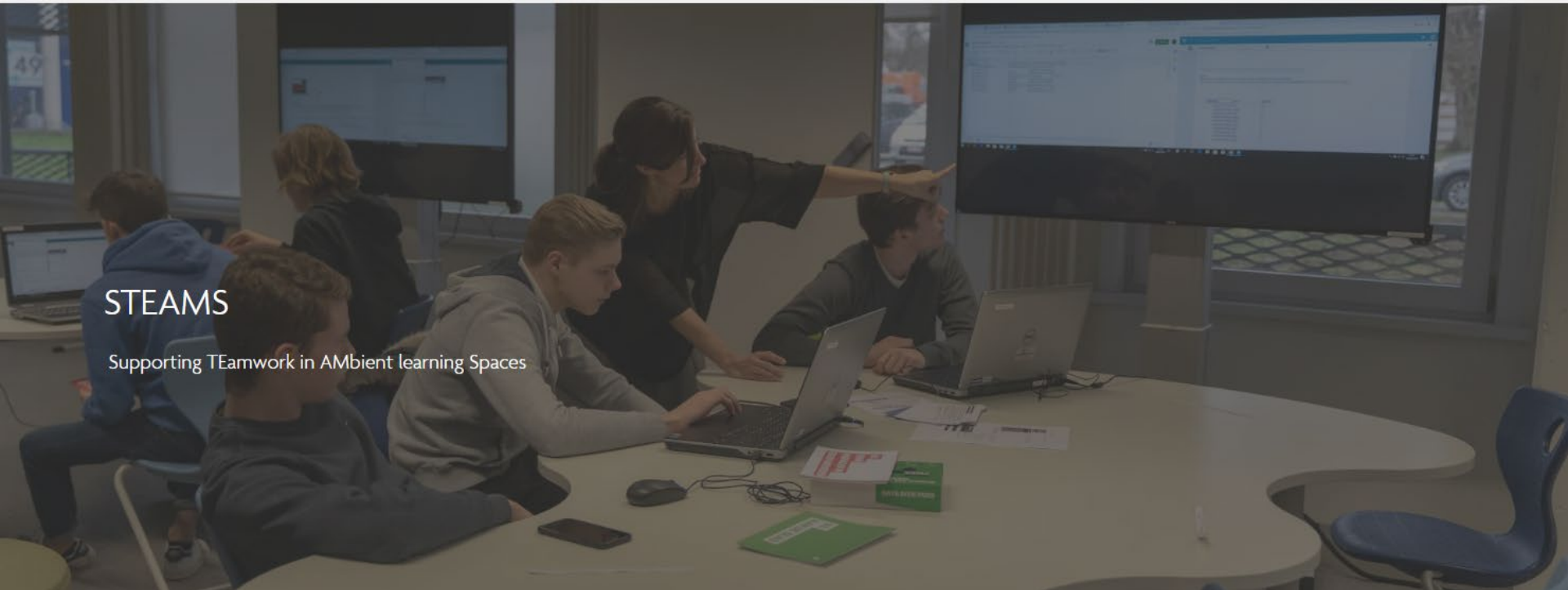
SARA

Surgical Augmented Reality Assistance

<https://www.imec-int.com/en/what-we-offer/research-portfolio/sara>

Start Planning
Say, 'Lock Projection' to fix tumor projection
To unlock say, 'Unlock Projection'
Toggle projection by saying, 'Projection On/Off'





STEAMS

Supporting TEamwork in AMbient learning Spaces

<https://www.imec-int.com/en/research-portfolio/steams>

Selecteer je rol

Scan één voor één je rol met je smartphone.



Piloot



Ingenieur

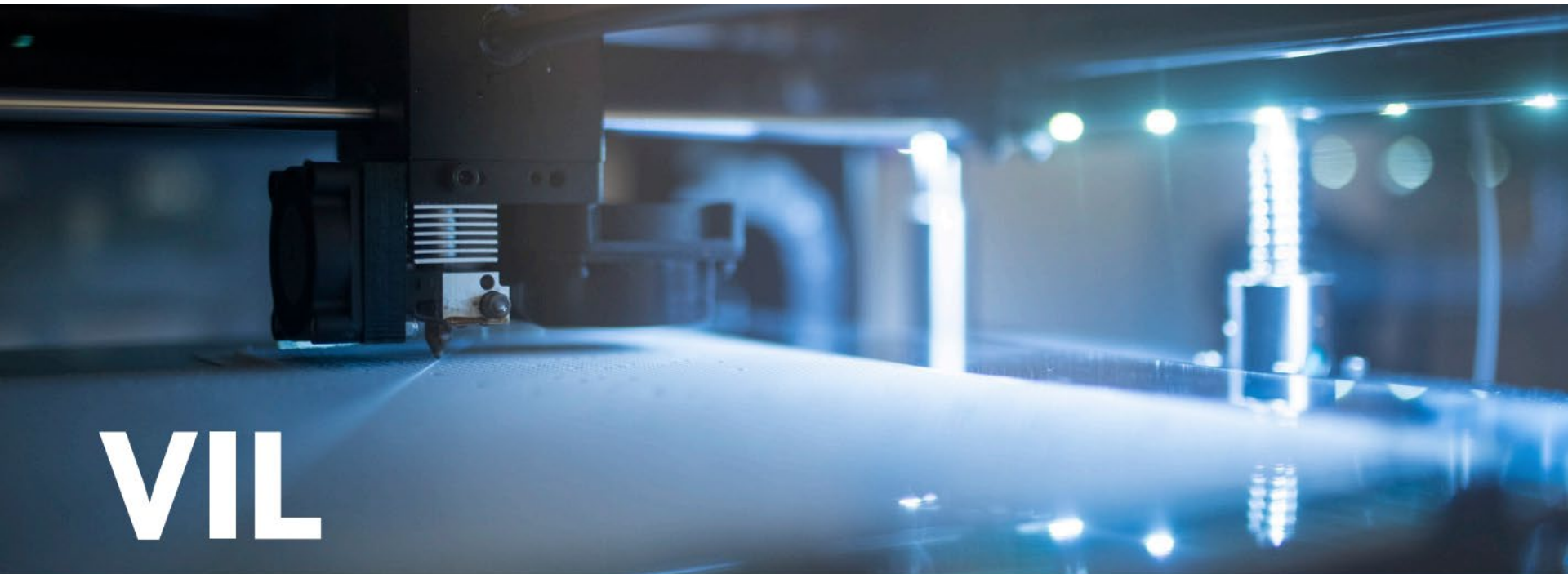


Coördinator



Wetenschapper

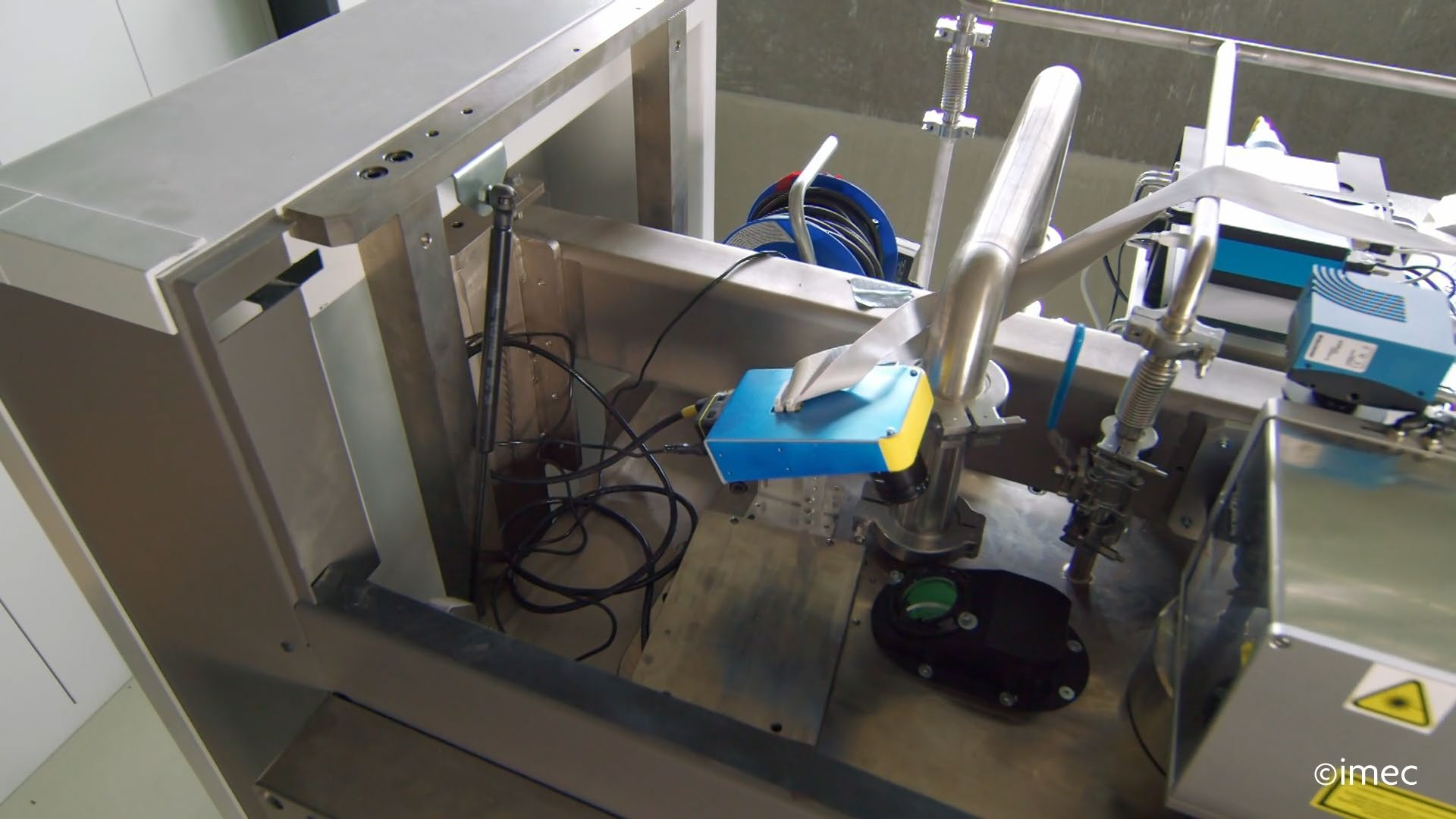




VIL

Vision In the Loop: high-speed image processing for real time control of 3D printers

<https://www.imec-int.com/en/what-we-offer/research-portfolio/vil>



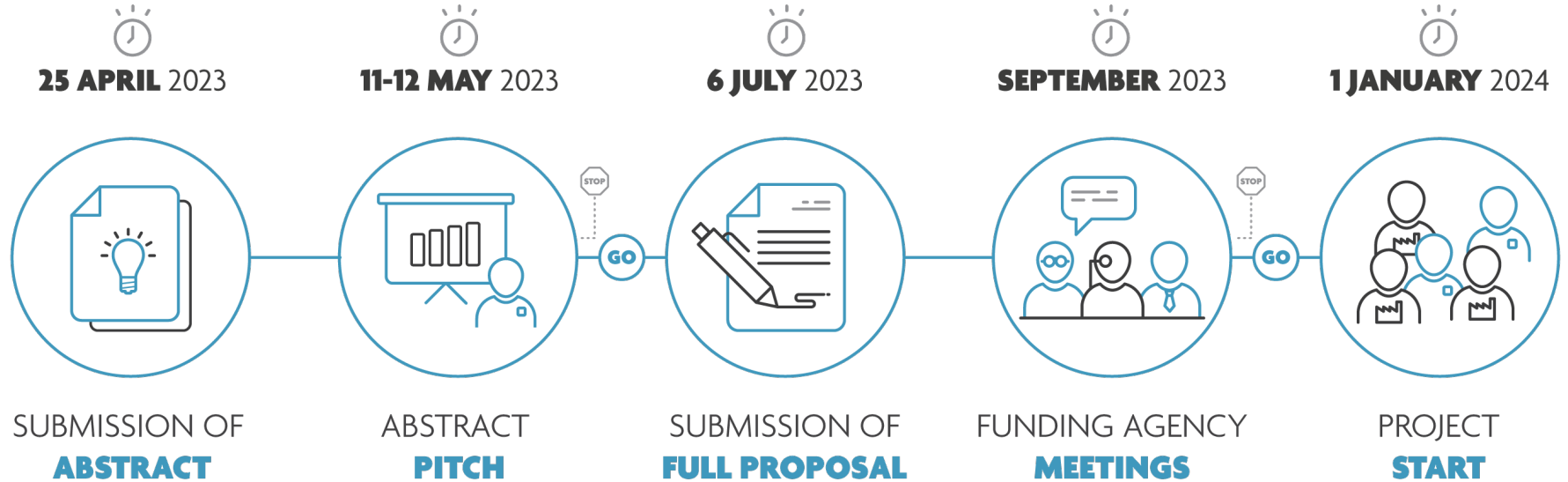
Q&A

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- [Application procedure](#)
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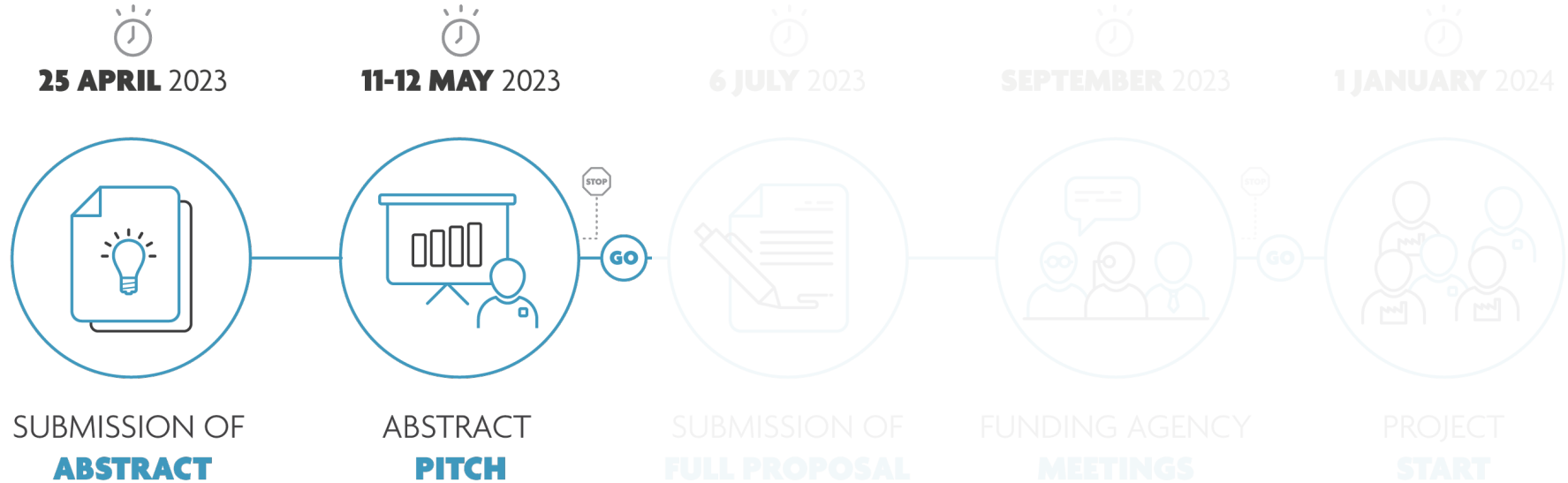
- Extra: tips and tricks

IMEC.ICON EVALUATION PROCESS

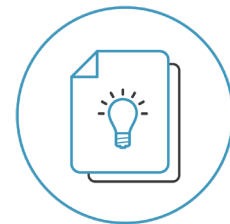


IMEC.ICON EVALUATION PROCESS CALL 2023-I

ABSTRACT PHASE



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 impact
- Information on the partners, as input for **Pre-application** step

Structure of abstract is aligned with structure of full proposal



Template available on imec website in February

ABSTRACT PHASE: EVALUATION PROCEDURE



25 April

- Submit your abstract

2 May

- Receive feedback and questions from experts

11 – 12 May

- Pitches in front of panel

ABSTRACT PHASE: PITCH IN FRONT OF PANEL



■ Pitch

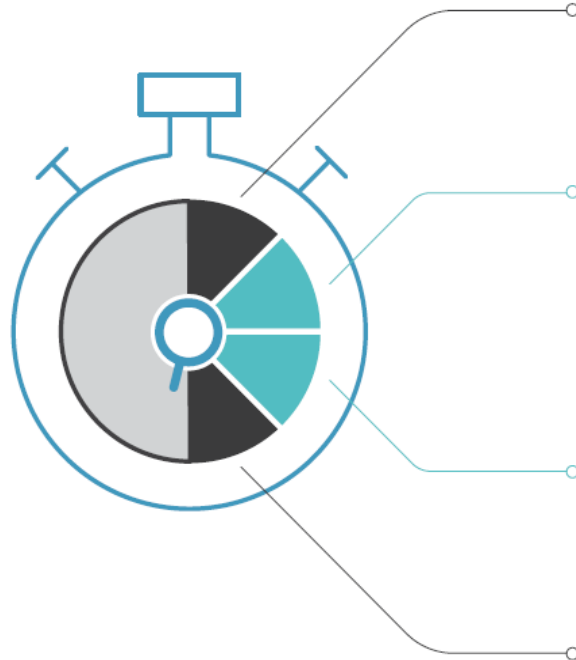
- Short presentation (15 minutes)
 - General project presentation
 - Presentation of valorization plans of the industry partners (preferably presented by representatives of the industry partners)
 - Rebuttal on questions received from panel
- Followed by a short Q&A
- Consortium presence
 - Max. 5 consortium members, incl. research lead and project lead

■ Panel

- External domain experts
- Representatives of imec

PITCH FLOW

50 MINUTES
PER CONSORTIUM



PANEL ONLY
8 MINUTES

Expressing the most important remarks & questions



CONSORTIUM
15 MINUTES

Pitch presentation



CONSORTIUM & PANEL
15 MINUTES

Q&A



PANEL ONLY
12 MINUTES

Discussion + scoring



Abstract Jury: focus on general quality, valorization & fit

- One jury for all abstracts
- Jury appointed by imec*

* in cases of a conflict of interest, jury members do not participate in the evaluation of the abstract

IMEC.ICON ABSTRACT EVALUATION CRITERIA (1/2)

CLEARLY DEFINED AND AMBITIOUS RESEARCH OBJECTIVES

- The research goals as well as the problems that the project wants to tackle are well-defined, focused and clear.
- There is a substantial progress (improvement) in comparison with former or ongoing research.

APPROPRIATE CONSORTIUM WITH RELEVANT APPROACH

- The consortium organization and structure are in line with the project challenges.
- All the necessary areas of expertise are represented within the consortium.
- The contribution and added value of each partner in the project is clear.
- The consortium is cooperative, the partners work together instead of side by side.
- There is a suitable partner for each important step in the value chain.
- Risks related to privacy or ethical issues during project execution or valorization are identified and a plan for mitigation is outlined.

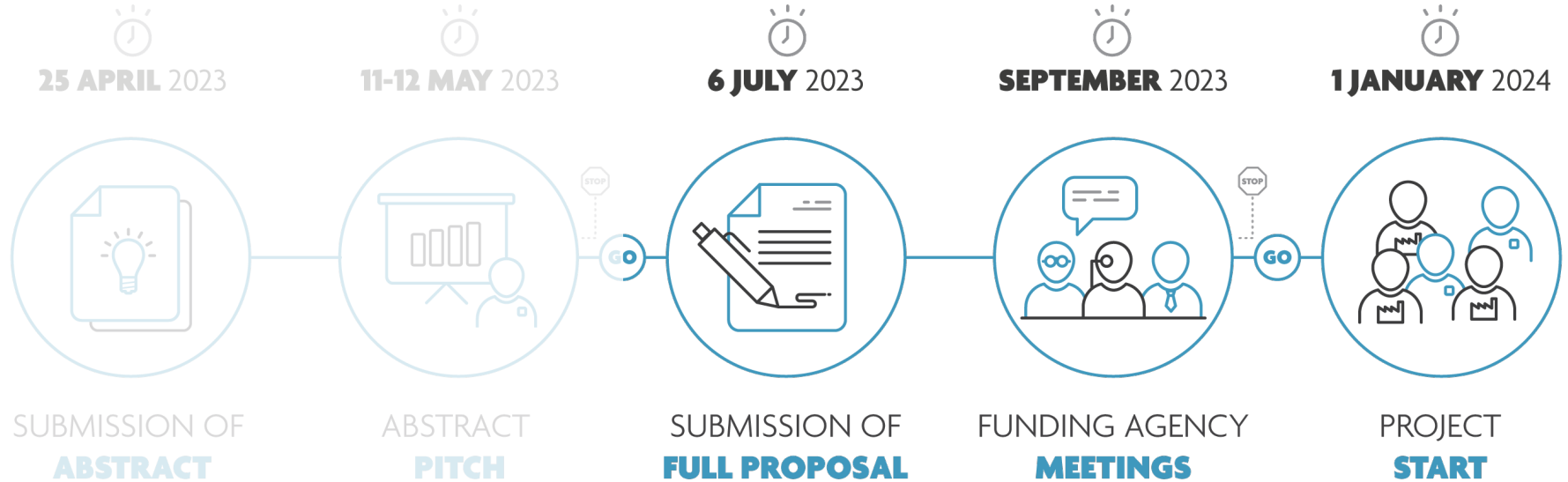
IMEC.ICON ABSTRACT EVALUATION CRITERIA (2/2)

SOCIAL / ECONOMIC VALORIZATION AND ADDED VALUE OF THE PROJECT

- The project is driven by demand from the market.
- The description of the valorization potential is clear. The project is aimed at the economic and / or social valorization of the knowledge creation.
- The project offers clear perspectives on (multiple) applications for (several) companies and / or sectors.
- It is clear which partner(s) take responsibility for the go-to-market.
- The added value of the project to the companies (e.g., in terms of extra revenues) and to the funding region (in terms of extra employment, investments and possible societal benefits) is substantiated.

IMEC.ICON EVALUATION PROCESS CALL 2023-I

FULL PROPOSAL PHASE



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

INFO SESSION ON FULL PROPOSAL

ONLINE SESSION

23 May

- 11am – 13.00pm: General info session
 - Detailed session with tips & tricks

23 – 26 May

- To be planned: 1 session per consortium
 - Discuss feedback from abstract jury
 - Kick-off of support by VLAIO Team Bedrijfstrajecten (Innovatiecentrum)
 - Strongly advised for first-time applicants

FULL PROPOSAL PHASE: EVALUATION PROCEDURE

PRE-APPLICATION

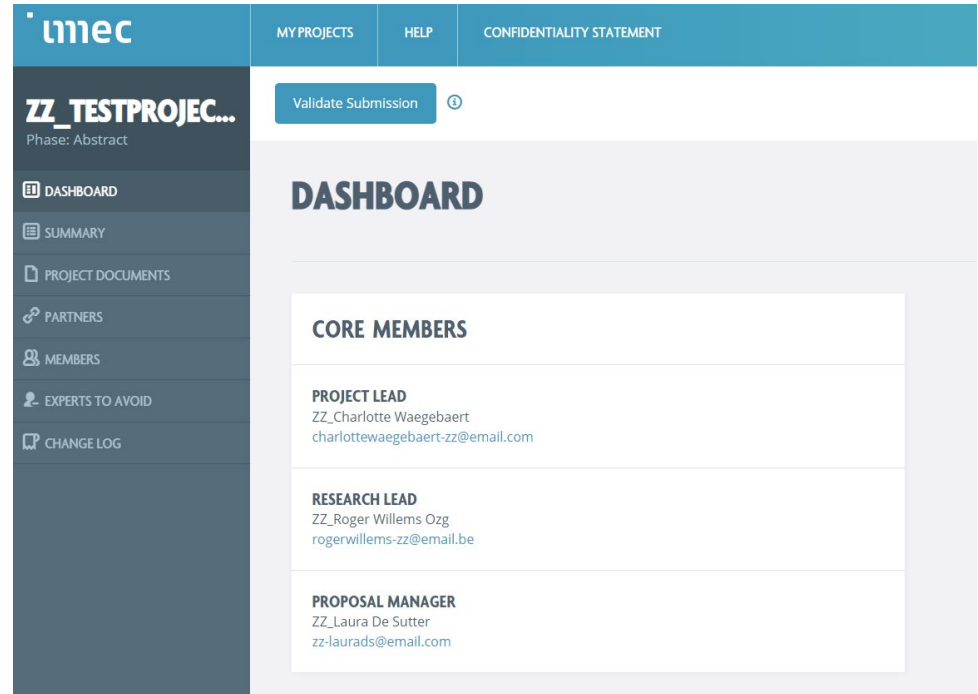


HOW TO SUBMIT YOUR APPLICATION

ABSTRACT AND FULL PROPOSAL SUBMISSION: VIA MYPROJECTS

MyProjects:

- Submitting your application
- Follow-up
- Reporting



The screenshot shows the MyProjects dashboard for a project named 'ZZ_TESTPROJEC...'. The interface includes a top navigation bar with 'imec', 'MY PROJECTS', 'HELP', and 'CONFIDENTIALITY STATEMENT'. A left sidebar contains navigation options: DASHBOARD, SUMMARY, PROJECT DOCUMENTS, PARTNERS, MEMBERS, EXPERTS TO AVOID, and CHANGE LOG. The main content area features a 'Validate Submission' button and a 'DASHBOARD' section with 'CORE MEMBERS' listed below:

ROLE	NAME	EMAIL
PROJECT LEAD	ZZ_Charlotte Waegebaert	charlottewaegaert-zz@email.com
RESEARCH LEAD	ZZ_Roger Willems Ozg	rogerwillems-zz@email.be
PROPOSAL MANAGER	ZZ_Laura De Sutter	zz-laurads@email.com



[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 mid February

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

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: 25 April		1 day before pitches

!! Check VAT number of partners !!

ABSTRACT SUBMISSION: EXTRA DOCUMENTS

EXTRA DOCUMENTS

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_TESTPROJEC...

Phase: Abstract

DASHBOARD

SUMMARY

PROJECT DOCUMENTS

PARTNERS

MEMBERS

EXPERTS TO AVOID

CHANGELOG

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 imec/icon that want to request research funding from imec, 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 REBUTTAL

What? Document with answers to the questions from the experts.

Templates **Template (ENG)**

[Link to template](#)

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 Steven Van Assche (the instrument leader) to discuss the feedback & modifications for resubmission. Please contact icon@imec.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.

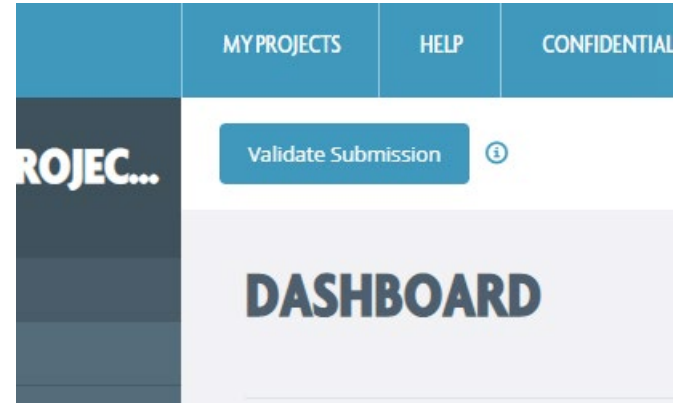
ADD DOCUMENT

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 last moment
 2. Fill in all information and upload the necessary documents
 3. Validate to check if all information is correct
 - ① you can validate as many times as you want
 4. 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)**
 - Mandatory at full proposal phase
 - Template cannot 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 Collaboration Agreement
 - Termsheet with IPR framework

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)**

IMPORTANT CHANGES AND ATTENTION POINTS

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PROJECT MODALITIES

- Consortium with at least 3 independent companies, of which at least 2 VLAIO-funded companies
- All Flemish research organizations can be financed by imec, if compliant with VLAIO's requirements for Flemish SBO research partners
- Subsidy top-up of 10% for VLAIO-funded companies in case of intensive collaboration between companies and 1 funded SME in the consortium
- Minimum contribution of 12 PM for companies requesting funding
- Budget balance of 50/50 instead of 60/40: budget of funded companies > research budget (with some margin)
- Standard project duration of 2 years; duration of up to 3 years possible if motivated

IMPORTANT CHANGES AND ATTENTION POINTS IN THIS CALL

EVALUATION PROCEDURE – ABSTRACT PHASE

- **Abstract template structure** aligned with full proposal template structure
- Continued extra attention to **valorization** in abstract and in pitch: focus on strategic importance, while business case numbers (e.g., subsidy lever) are **optional**
- Continued attention to **awareness of privacy and ethical issues**
- Extra information requested for **Pre-application eligibility check** for VLAIO funding (e.g., on valorization track record, Undertaking in Difficulty (UID) / Onderneming in Moeilijkheden (OIM), co-financing capacity, etc.): some information is mandatory, some **optional**
- **Oral rebuttal** integrated in pitch

IMPORTANT CHANGES AND ATTENTION POINTS IN THIS CALL EVALUATION PROCEDURE – FULL PROPOSAL PHASE

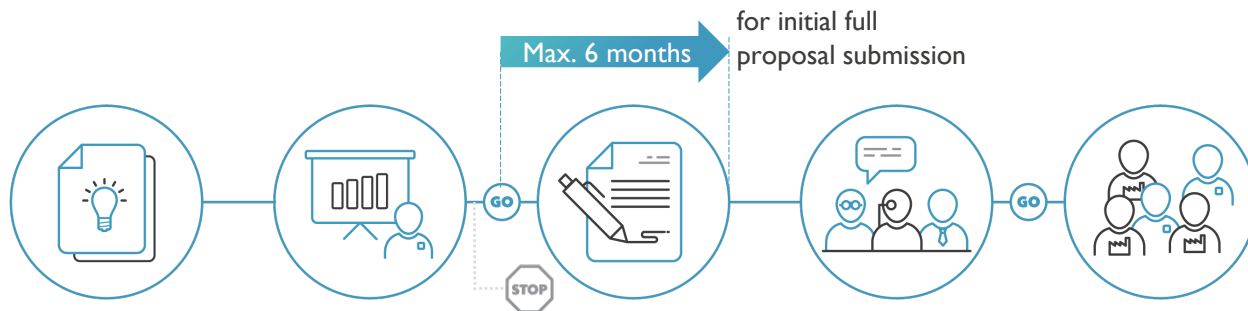
- **Academic valorization plan** and **mandatory dissemination workpackage** in light of the broad dissemination of the research results
- More flexible **full proposal submission**: one opportunity for submission every month; recommended full proposal submission date of 6 July
- **Expanded rebuttal** to remedy remarks from VLAIO/Innoviris and experts

More information during full proposal info session (23 May)

RESEARCH FUNDING RESERVATIONS AND RESUBMISSIONS

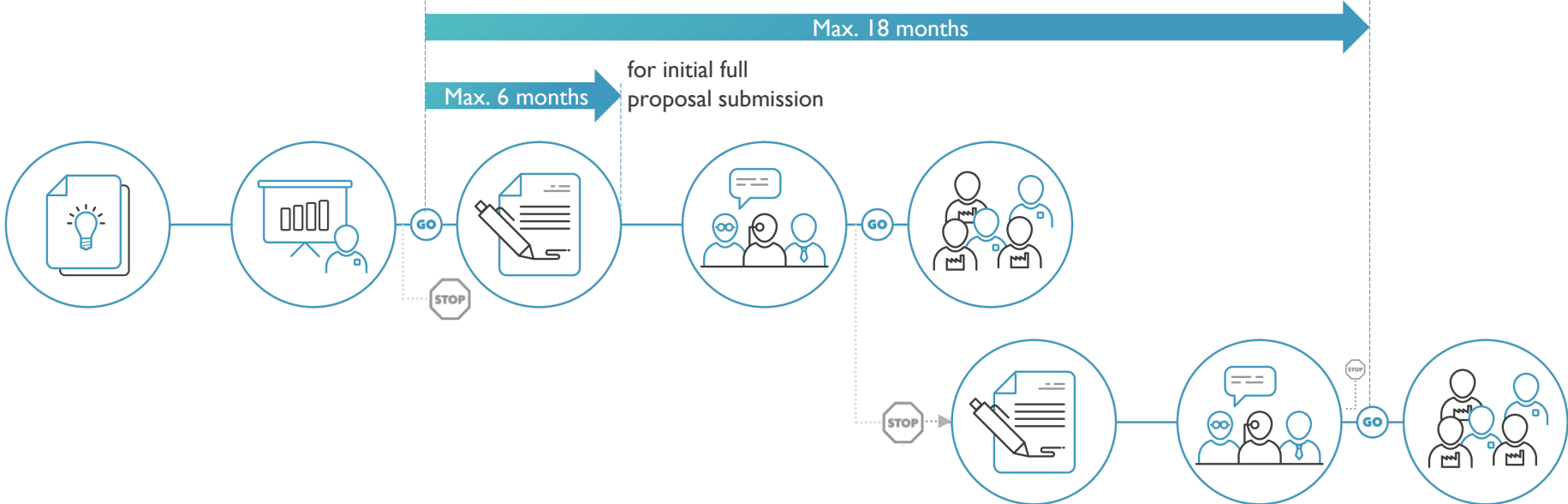


RESEARCH FUNDING RESERVATIONS AND RESUBMISSIONS



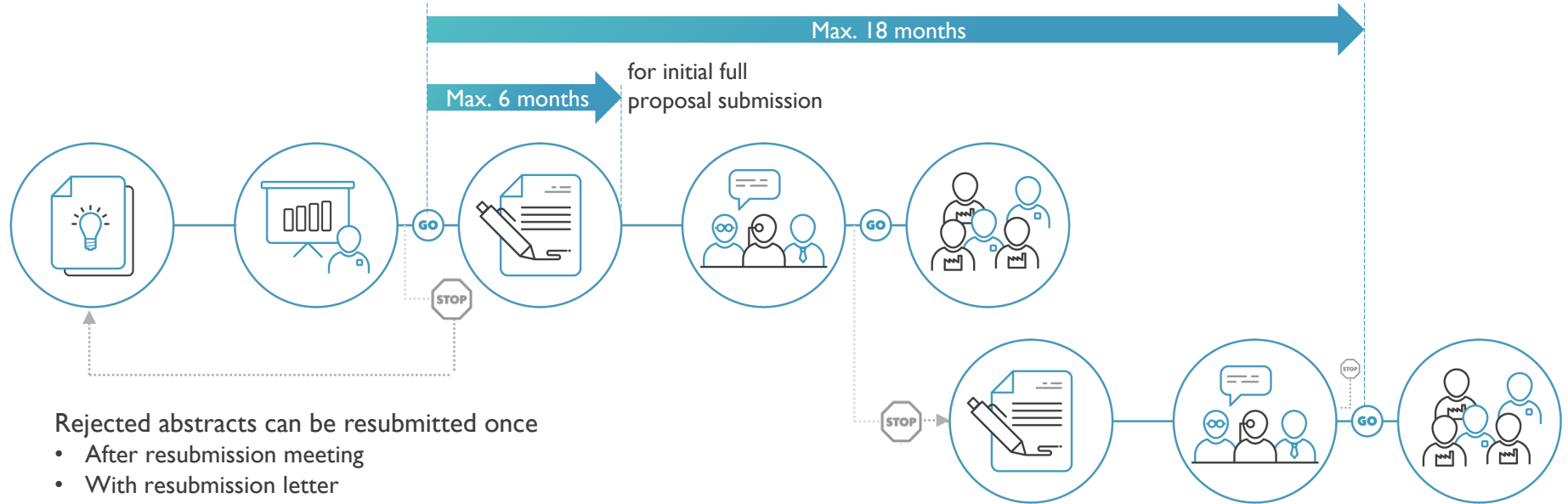
RESEARCH FUNDING RESERVATIONS AND RESUBMISSIONS

Research funding reserved for project for **18 months**
(= period between abstract decision and project approval)



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Rejected abstracts can be resubmitted once

- After resubmission meeting
- With resubmission letter

Rejected full proposals can be resubmitted once

- After resubmission meeting
- With resubmission document
- No need to resubmit as abstract if mostly same project idea and consortium

AGENDA

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

APPLYING FOR VLAIO OR INNOVIRIS FUNDING

- Funding applications within the imec.icon procedure

- VLAIO (Flemish region)

AGENTSCHAP
INNOVEREN & ONDERNEMEN

- Innoviris (Brussels region)

 **innoviris**
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www.vlaio.be

VLAIO funding

VLAIO



Vlaanderen
is ondernemen

1. Key eligibility requirements for VLAIO funding

(1) For organisations (companies or non-profit) with legal entity and activities in Flanders

(2) No funding for Undertakings In Difficulty (UID)

- UID definition, specific criteria/conditions + calculation module:
 - <https://www.vlaio.be/nl/subsidies-financiering/ontwikkelingproject/voorwaarden/ondernemingen-moeilijkheden-komen-niet>
 - <https://www.vlaio.be/nl/begeleiding-advies/financiering/overheidsmaatregelen/kmo-definitie-verschil-europese-en-fiscale>
- When part of a group, also perform the UID analysis *at group level*
 - Block diagram to analyze group structure: <https://www.vlaio.be/nl/media/43>
- When UID: to be solved at last by date of submission of full proposal (or participate without funding)

[Extra info, see: Explanatory document on R&D projects: <https://www.vlaio.be/nl/media/1827>]

1. Key eligibility requirements for VLAIO funding

(3) Track record: (effect of) previous VLAIO subsidies

(4) *Outline of Climate plan*

- Describes how the company's relevant site will make the transition towards low-carbon operations in a climate-neutral Europe by 2050, taking into account the objectives of the Flemish Energy and Climate Plan (Horizon 2030)
- Mandatory for large and energy-intensive companies [>0.1 PJ/year final energy consumption at the site level, with $0,1$ PJ = 27,8 GWh electricity, gas, fuel oil, diesel, heat, ...]
- Through the [outline of the climate plan](#), the subsidy applicant must demonstrate that it has a climate plan
- The detailed specification of the climate plan is not part of this outline
- However, this document should be available for inspection by VLAIO

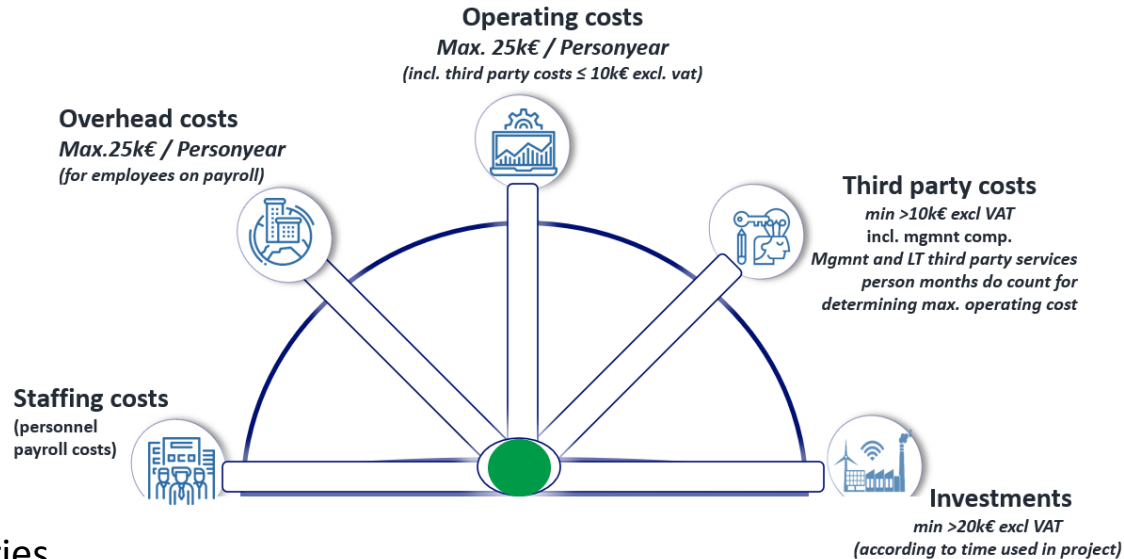
2. Funding percentage

	Small	Medium-sized	Large
Experimental Development	45%*	35%*	25%*
Industrial Research	60%	60%	50%*

* + 10% extra for *real* collaboration between companies and at least 1 (funded) SME in the consortium.
Max. funding = 60% for industrial research and 50% for experimental development

- **Differentiation** based on:
 - Company size (consolidation at group level!)
 - Challenges and risks & type of knowledge used *as described in the activities in the WPs per partner!*
- **No funding** when purely using existing know-how ('standard engineering') or non-eligible activities
- **Development** (TRL 4-7) if new knowledge is applied to your specific business. *Explain carefully:*
 - Why it is really new (compared to what others are doing)
 - Why it is more than merely combining what you already know
- **Research** (TRL 1-3) if clear step forward w.r.t. the state-of-the-art in your domain (worldwide) which involves significant challenges. *Explain carefully!*
- **A mix** of development and research activities is possible as well

3. Project budget: VLAIO cost model



- 5 cost categories
- Funding is % of approved budget
- Budget application is based on realistic estimate of costs
- Final grant received: based on incurred costs. Effective costs may be checked at the end of the project.
- Guide to cost model: <https://www.vlaio.be/nl/media/1761>

4. Project impact: added value (leverage) for Flanders

- **Economic impact > 10 x net grant** in 5*-year period after end of the imec.icon project
 - Calculation of economic impact: **activities in Flanders, linked to the innovation project:**
 - Personnel costs: job creation at applicant, job retention (max. 50%), job effects on subcontractors or suppliers in Flanders with whom the applicant has a history of cooperation
 - Depreciation on investment costs after the project (in R&D, buildings, machinery, ...)
 - * When longer: the credibility of the provided argumentation will be subjected to evaluation
- **Societal impact**
 - Positive effects on environment [climate / energy / health / education / mobility / food / ...]
 - No element of impact calculation, yet can be awarded during evaluation
- Keep in mind:
 - Numbers are crucial, yet **substantiation and motivation** are too!
 - In imec.icon: **evaluation of leverage at project level**
 - Yet **for all VLAIO applicants a substantiated and convincing business case is required!**

5. Team Bedrijfstrajecten

- Questions regarding VLAIO imec.icon funding: Marc Tiri - marc.tiri@vlaio.be
- A key contact person per consortium has been assigned



Agro
and Food



Construction



Energy
and Environment



Healthcare



ICT
and Services



Logistics
and Mobility



Mechanical
Engineering
and Electronics



Materials
and Chemistry



FUNDING BY INNOVIRIS
www.innoviris.brussels

CONTACT FOR INNOVIRIS

- Questions regarding **Innoviris funding:**

- [Stijn Maas](#)

[T. +32 2 600 50 67](tel:+3226005067)



- **All Brussels enterprises which:**
 - Develop all or part of its activities in the Brussels-Capital Region.
 - Are not in difficulty, [in accordance with the European legislation \(p.19, point 18\)](#)
 - Can show their ability to fund their share of the cost of the program.
 - Have fulfilled all obligations under previous funding granted by the Brussels-Capital Region.

- Not exclusive Brussels partners within ICON -consortium (at least two in Flanders)

R&D PROJECT

imec.icon external partners can apply for R&D funding

R&D project:

- **Industrial Research:** All of the actions, critical surveys and planned works carried out with a view to acquiring new skills and scientific knowledge in order to develop a product, process or service at a later date. (TRL 1 to TRL 4)
- **Experimental Development:** Activity which targets the application of the results of industrial research in the form of prototype products, procedures or services which may not be used for commercial purposes before the end of the project (TRL 4 to TRL 7)

Who?

SMEs and Large Enterprises

INNOVIRIS FUNDING

- Subsidy: percentage of costs
- Budget contains:
 - Payroll costs
 - Investment costs
 - Working costs
 - Possible subcontractors
- Budget template is available

INNOVIRIS FUNDING PERCENTAGE

- Min. 40% - Max. 80% of project Budget
(15% collaboration bonus included, 80% = legal maximum)
- Depending on:
 - Nature of tasks Brussels partner in WP
Research (65%) vs Development (40%)
 - Size of company:
 - SE (+20%) / ME (+10%)
 - In case of doubt: contact Innoviris

- **Industrial Research and Experimental Development:**
 - Aligned with instruction meeting imec and VLAIO
 - Valorization case for Brussels evaluated by Innoviris

EVALUATION CRITERIA

RESEARCH AND DEVELOPMENT PROJECTS

- Contribution of external partner has to be clear
 - Within program
 - Especially for Research project
- Impact on Brussels Capital Region:
Employment, Environment, Societal challenges, ...
- Valorization in Brussels Capital Region

AGENDA

- Introduction to imec
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- Example projects
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- VLAIO and Innoviris funding
- **Next steps**

- Extra: tips and tricks

THINGS TO DECIDE

- Project idea
- Consortium
 - Industry partners
 - Research partners
 - User group members (e.g., for dissemination activities)
- Proposal manager
 - Start abstract in MyProjects
 - Optional: request imec Teams space via icon@imec.be

EARLY-CONSORTIUM CONTACT MOMENTS

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

MARK YOUR CALENDAR

25 APR	Abstract submission	12:00 noon
2 MAY	Feedback from experts	
11 – 12 MAY	Pitches	
23 MAY	Full proposal info session	
6 JUL	Full proposal submission	
SEP	Funding agency meetings	
1 JAN '24	Expected start project	

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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 concerning valorization

CONTACTS

CONTACTS FOR IMEC.ICON

**IMEC.ICON
PROGRAM MANAGER**

○—○ Steven Van Assche



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

○—○
○—○ Laura De Sutter
○—○ Charlotte Waegebaert



QUESTIONS REGARDING CONTENT



Annelies Vandamme



Eric Moons



Eric Van der Hulst



Deben Lamon



CONTACTS FOR ICON

- Questions regarding **VLAIO funding**

- [Marc Tiri](#)

AGENTSCHAP
INNOVEREN & ONDERNEMEN



- Questions regarding **Innoviris funding**

- [Stijn Maas](#)

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Q&A



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IMEC.ICON TIPS AND TRICKS

CONTENTS

- Example sparring questions
- Tips for writing convincing research goals
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EXAMPLE SPARRING QUESTIONS

Research challenges

- What are the project's research objectives? 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 research objectives?

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? Are the partners' role clear?

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, ...)?
- What is the return for Flanders/Brussels region in terms of qualitative employment, investments and societal impact? Does the industry consortium reach a lever of 10 against the subsidies they will request?

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 the AI algorithms
 - validating the AI algorithms
 - Within the 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.be/>, <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 **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 investments in 5 years after project
 - Societal benefits are considered a “plus”
- 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 (UID) / “Onderneming-in-Moeilijkheden” (OIM) rules



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