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*Supporting recovery and business transformation of lighting & furniture SMEs
for the Europe Industry of Tomorrow*

SILEO

2° CALL FOR *EXPRESSION OF INTEREST* (EOI) FOR SILEO Pool of Technology Uptake Facilitators

EOI Guidance for Applicants

V 05.10.2023

SILEO Call for Expression of Interest – EOI Guidance for Applicants

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About the SILEO project

SILEO Eurocluster project is co-financed by the Single Market Programme (SMP/COSME Pillar) of the European Union. SILEO gathers seven key lighting and furniture clusters from Austria, France, Italy, Romania and Spain:

	1. <u>ELCA European Lighting Cluster Alliance</u> (Italy)
	2. <u>Cluster Lumière</u> (France)
	3. <u>CICAT Lighting Cluster</u> (Spain)
	4. <u>Rete di Imprese Luce in Veneto</u> (Italy)
	5. <u>Business Upper Austria - OÖ. Wirtschaftsagentur GmbH Building Innovation Cluster</u> (Austria)
	6. <u>TFC Transylvanian Furniture Cluster</u> (Romania)
	7. <u>Cluster Legno, Arredo e Sistema Casa FVG</u> (Italy)

COVID-19 has shown that resilience matters and laid bare the ‘resilience divide’ between small and large firms. SILEO Consortium will support the European Small and Medium-sized Enterprises - SMEs of the lighting-furniture sector to recover fully from the crisis, become more resilient and better prepared for the digital and circular transition needs and challenges. **SILEO Eurocluster project will help the European lighting & furniture SMEs to be proactive actors in this transition.**

SILEO Consortium aspires to capture all the digitalisation potential for the furniture and lighting SMEs with a concerted effort channelled through an open and inclusive ecosystem for innovation and technology business upgrading with accompanying business support measures including expert consultancy, business resilience building guidance, reinforced by direct financial support schemes and talent placement service to help companies attract talents.

The project proposes a **direct financial funding scheme through financial support to third parties** (cascade funding), joint talent placement services and internationalization actions to accelerate the recovery of lighting and furniture SMEs, support them in becoming more resilient to future shocks, better prepared for disruptions in supply and value chains, greener in business operations and stronger connected to technology ecosystems through strategic partnering.

SILEO project invites technology providers and digitalization experts to express their interest in becoming accredited by the SILEO Consortium and integrate into a list of experts to support EU lighting and furniture SMEs in their pathway to sustainability and digitization.

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1. Call for Expression of Interest

Within the frame of two SILEO financial support to third parties schemes (Business Digital Transformation Projects and Advanced Technology Uptake Projects), lighting and furniture SMEs (beneficiaries of the SILEO Open Calls) have to collaborate with an expert (selected from the **SILEO Pool of Technology Uptake Facilitators**) to implement their projects addressing the main digitalization and circular economy-related challenges in their industries.

SILEO Consortium is launching a specific **CALL FOR EXPRESSION OF INTEREST** with the aim of identifying and selecting technology providers and digitalization experts, who are interested in supporting SMEs in implementing their business digital transformation projects and/or advanced technology uptake projects.

The validated organizations will be incorporated into the **SILEO Pool of Technology Uptake Facilitators**.

- ✓ **The current *Call for Expressions of Interest* will be open from 05.10.2023 until two weeks after the SILEO Open Call for Business Digital Transformation Projects and Advanced Technology Uptake Projects closure** (*envisaged for March 2024 - exact date is still under definition*).

The objective is to keep the SILEO Pool constantly updated with new technology providers and experts, and close it only temporarily for two weeks before the submission deadline of the two SILEO Open Calls (*exact date is still under definition*). This temporary closure aims to provide SME applicants (of the open calls) the opportunity to choose their experts from the updated list and ensure their validation in time.

The SILEO Consortium will share and publish on the Application Portal the list of accredited providers (SILEO Pool of Technology Uptake Facilitators), where applicant SMEs can search for appropriate suppliers to meet their needs. The SILEO business digital transformation projects and the SILEO advanced technology uptake projects must be implemented in collaboration with one (or more) technology providers selected from the SILEO Pool of Technology Uptake Facilitators. For this reason, the lighting and furniture SME applicants can:

- ✓ **choose from the technology providers available in the SILEO Pool.**
- OR
- ✓ **suggest their own collaborators by submitting the *Expression of Interest* that has been completed by the technology provider before the deadline.** Upon validation of the EOI by the SILEO Consortium, the technology provider applicant will be included in the SILEO Pool of Technology Facilitators. Subsequently, the SME applicant will have the option to choose and collaborate with them for their project.

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2. Role of the SILEO technology providers and digitalization experts

The technology providers and experts will support lighting and furniture SMEs in implementing defined measures to support their digitalisation and sustainability projects. The facilitators will supply their services and solutions to the SMEs under two SILEO Open Calls:

SILEO Open Call for Business Digital Transformation Projects

Within the frame of the **SILEO Open Call for Business Digital Transformation Projects**, the objective is to facilitate the access of lighting and furniture SMEs to specific expert consultancies to boost green and digital business transition in collaboration with digital technology providers/facilitators.

Through the business digital transformation projects, technology providers will support SME beneficiaries in accessing the following expert services:

A) General expert consultancy on company digitalisation processes

Which company processes might be digitised to improve its innovation and business potential?

B) Specific expert consultancy on identified advanced technology(ies) and/or digitalisation process(es) to concretely explore its potential uptake at the company level, its implementation procedure into the firm operations and the scale of investment.

How the specific technology or digitalisation process can upgrade business growth, green and digital transformation, what is its cost-benefit, estimated investment plan and how does the implementation of a new technology affect employees, will they need training, is the technology easy to operate, etc.?

C) General expert consultancy for business transformation and market analysis

Support in market intelligence analysis including an outline of the size of the (new) market (segments) potentially accessible thanks to the company's technological upgrading, product demand, trends, customers, and competitors.

(What are the new market prospects in view of the company's digital upgrading? Please note that all markets are eligible: national, international, existing and brand new, single sector and cross-sector)

The SME applicants for the Open Call for Business Digital Transformation Projects will select the technology provider from the SILEO Pool of Technology Uptake Facilitators to implement the above-mentioned expert services.

Two open calls are envisaged: the 1° Call was opened on 17.04.2023 and closed on 20.06.2023.

→ The 2° Open Call is planned for January 2024 (*the exact date is still under definition*).

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SILEO Open Call for Advanced Technology Uptake Projects

Within the **SILEO Advanced Technology Uptake Projects**, the objective is to support lighting and furniture SMEs in implementing/developing/integrating the new advanced technologies into their business operations in collaboration with digital technology providers and facilitators to support company resilience and digital and green transformation.

Through the advanced technology uptake projects, technology providers will support SME beneficiaries in accessing the following expert services:

A) Prototyping of new products

Support lighting and furniture SMEs in the prototyping of new products using advanced technology or digital solutions considered strategic. The technology provider will support the SME to bridge the gap between the concept and reality, as Prototyping is a vital step in transforming that idea into a functional product.

Corresponding to the Technology readiness levels (TRL)¹ 3,4,5.

Example: support in design a new product and the development of the related prototypes; building the prototyping models using the advanced technologies or digital solutions (i.e. raping prototyping with 3D modelling; ...).

B) Pilot application

Support the testing and effective demonstration of an advanced technology or digital solution application within a specific production, manufacturing, commercial, or operations management process/phase. Validation and demonstration of the technology and/or new prototyped product in industry relevant (operational) environment.

Corresponding to the Technology readiness levels (TRL) 6 and 7.

Example: support in verifying the new product technology, its performance, stability, validity and other indicators; developing a test-bed or pilot manufacturing line or process; others...

C) Prototyping + Pilot application

Support the prototyping of new products as well as its subsequent validation and effective demonstration within a specific company's process and/or phase.

Combination of A+B expert services.

The SME applicants for the Open Call for Advanced Technology Uptake Projects will select the technology provider from the SILEO Pool of Technology Uptake Facilitators to implement the above-mentioned expert services.

Two open calls are envisaged:

- 1° Open Call is planned for January 2024 (*the exact date is still under definition*)
- 2° Open Call is planned for Autumn 2024 (*the exact date is still under definition*)

¹ **TRL:** https://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-g-trl_en.pdf

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Why apply?

Applying to be part of SILEO Pool of Technology Uptake Facilitators, the international expert database, offers several benefits and opportunities:

- ✓ To gain visibility and recognition in Europe. This exposure can be valuable for professionals and organizations seeking to expand their reach and engage with European SMEs, businesses and projects.
- ✓ To be included in the referenced SILEO Pool of Technology Uptake Facilitators used by applicant SMEs - beneficiaries of SILEO Open Calls - for the selection of experts and/or technology providers for their projects.
- ✓ To be chosen by an SME beneficiary as a “technology uptake facilitator” for its SILEO Business Digital Transformation Project, and/or Advanced Technology Uptake Projects. It provides a platform for you to offer your expertise and services to businesses looking to enhance their operations and technology adoption.
- ✓ To improve the quality of services by working with diverse European SMEs, and contribute to the development of the European Lighting Value Chain and Furniture manufacturing sectors. Your expertise can play a role in advancing technology adoption, innovation, and competitiveness within these industries, benefiting both businesses and the broader European economy.

3. Who can apply as a SILEO technology provider?

Technology providers are **public or private legal entities, with at least 3 years of experience and technology transfer capacity** in the target domain of advanced technologies uptake and digitalisation processes. These providers can be part of the following typologies:

- Knowledge and Technology providers;
- Tech-savvy companies (technology companies);
- Digital Innovation Hubs;
- Competence Centers;
- Academia, Universities, specialized research groups, etc;
- Research Centers and Up-scaling entities;
- Freelance professionals registered as legal persons;
- Other bodies.

3.1 Eligibility criteria

- ✓ Any **public or private legal entity established in one of the EU Member States and Single Market Programme associated countries²** can apply to be part of the SILEO Pool of Technology Uptake Facilitators.
- ✓ Applicants must **exercise activities directly related to the services requested**, which have to be issued to the beneficiary SMEs and must provide the necessary organization, personnel and materials for the implementation of such services.

² https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/smp/guidance/list-3rd-country-participation_smp_en.pdf

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- ✓ Applicants **must be current and up to date with their legal and tax obligations** as established by their national legislations.
- ✓ Applicants **must have professional experience of at least 3 years** in relation to expert consultancy and/or knowledge and technology transfer services for SMEs in the domains covered by the SILEO financial support scheme.
- ✓ Applicants **shall be fluent in English**.

3.2 Domains

The legal entities must provide solutions, services and consultancy in fields of **advanced technologies/digital solutions** to support the SMEs within the project's scope of Business Digital Transformation Projects and/or Advanced Technology Uptake Projects.

Thanks to bottom-up exchanges, SILEO partners have identified the following advanced technologies and digital solutions (*not an exhaustive list*) as of paramount importance for lighting and furniture SMEs:

	<p>Additive Manufacturing (3D printing)</p> <p>The technology will improve resource efficiency in both production and use phases as manufacturing processes and products can be redesigned for AM, as well as extend product life achieved through technical approaches such as repair, remanufacture and refurbishment, more sustainable socio-economic patterns like stronger person-product affinities, closer relations producers - consumers.</p>
	<p>Augmented and Virtual Reality</p> <p>Support implementation of smart products, enhance focus on delivering customer experience and hyper customization for designers and end-users. Customization through VR allows lower product errors, and diminishes waste, impacting positively the shift towards a low-carbon-based economy.</p>
	<p>Big Data & Analytics</p> <p>Data-based analysis tools are used to visualize bottlenecks and risks in real time and present them in a comprehensible way.</p>
	<p>Cybersecurity</p> <p>Most of the new building facilities are equipped with grid-connected products including lighting, electricity, heating etc. The lighting fixtures are used for the IoT sensors. Unfortunately, this makes them attractive for cyber-attacks. Thus, cyber security technologies should be included in smart lighting products.</p>
	<p>Industrial IoT (IIoT) & sensors</p> <p>IIoT increase safety and efficiency at production sites, reduce human errors, improve logistic and distribution and thus increasing the resilience of companies to crisis related to suppliers. The integration of sensors or the development of printable codes to the wood logs for raw material tracking and data acquisition. Available functionalities allow for very precise management of light sources so that the lighting is perfectly suited to the function of the ambient, and the energy consumption is maximally rationalised.</p>
	<p>Robotics</p> <p>Efficiently implemented robotics, such as material handling, welding, MIG, spot and arc welding, etc., will enable SMEs to improve the safety standards, the quality of their products and their resource usage.</p>

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	<p>Artificial Intelligence</p> <p>Useful for product proposals via apps and for product development. AI has the potential to impact the whole product design, increasing customisation. Lower errors and higher creativity in production.</p>
	<p>Digitalisation of marketing and online trading</p> <p>Digitalisation in marketing refers to the gradual movement of marketing onto digital platforms, such as the Internet, using video, audio and other digital channels to reach their target audience. Digitalization of marketing involves the transformation of traditional marketing strategies (commerce, costumer management, sales e-commerce, B2B commerces) and activities into digital formats. It encompasses all the efforts made by businesses to leverage digital channels, tools, and platforms to promote their products or services to a wider audience.</p>
	<p>Image scripting technologies</p> <p>This technology can be used to produce photorealistic images of each furniture or lighting product, enabling it to be showcased online in detail. Thus, consumers can view these products online, zoom in and out without any loss of quality or clarity, or rotate images at any angle. Besides that, portions of the image can even be dissolved in order to reveal hidden components and features.</p>
	<p>WebAR</p> <p>This technology can help businesses get products to market in time and effectively communicate the worth and utility of a complicated and expensive product in B2B. It is also a sales tool that allows a customer to easily visualize how a product will fit within their own home. This is achieved with digital models of products that can be placed within real environments using AR technology.</p>
	<p>Machine learning</p> <p>Using artificial intelligence allows one to create a personalized buying experience for every individual customer.</p>
<p><i>Other technologies and digital solutions that can be relevant for the lighting and furniture business operations support green and digital transition of SMEs.</i></p>	

3.3 Absence of Conflict of Interest

Applicants shall not have any actual or/and potential conflict of interest with the selection process and during the project implementation. All cases of conflict of interest will be assessed case-by-case by the SILEO Consortium.

The SME Applicant and the selected technology provider(s) and/or digitalisation expert(s) must be two independent legal entities.

Moreover, there should be no conflict of interest between the technology provider/digitalisation expert and the SILEO project partners. In particular, technology provider applicants cannot be staff members of SILEO Consortium partners.

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4. How to apply?

Technology providers, who are interested in supporting lighting and furniture SMEs, **must submit - within the deadline - the Expression of Interest** (Application FORM word file available to download), duly completed in English, together with the mandatory Annex (*Organisation registration official document*) **to the email address of one of the SILEO project partners** – contact points for the specific country of reference.

- For example, the interested technology provider from Spain shall submit its duly completed EOI form + mandatory annex to the SILEO partner – CICAT Lighting Cluster, Spain's reference partner.

Country	SILEO Partners	Representatives	E-mail
EU & SMP associated countries	ELCA European Lighting Cluster Alliance	Marta Krakowiak	marta.krakowiak@elcacluster.eu
FRANCE	Cluster Lumière	Mary Hadidi	m.hadidi@cluster-lumiere.com
SPAIN	CICAT Lighting Cluster	Andrea Padre	apadre@secartys.org
ITALY	Rete di Imprese Luce in Veneto	Antonella Venza	antonella.venza@luceinveneto.com
	Cluster Legno, Arredo e Sistema Casa FVG	Caterina Pezzicar	caterina.pezzicar@clusterarredo.com
AUSTRIA	Business Upper Austria - OÖ. Wirtschaftsagentur GmbH (BIZUP) Building Innovation Cluster (BIC)	Isabella Mantello	isabella.mantello@biz-up.at
ROMANIA	TFC Transylvanian Furniture Cluster	Andreea Toma	andreea.toma@hygia.ro

The information provided in the Expression of Interest will be published on the SILEO Pool of Technology Uptake Facilitators. The application must be completed in all the sections with the following information:

STEP 1. Organisation identity

General information about the organisation applicant (legal name, typology, address, contact details etc.) and a brief presentation.

STEP 2. Organisation expertise

STEP 2.1 - knowledge and expertise related to advanced technologies and/or digital solutions

Technology applicants must prove to have a high level of expertise and professional experience in at least one of the advanced technologies mentioned. In this section, the candidate has to choose the digital solution/technology in which they possess expertise and offer a short description of their skills and competencies in that particular area. Other technologies and digital solutions not mentioned may be included.

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STEP 2.2 - knowledge and expertise related to the lighting and furniture sector

As the SILEO technology provider will support lighting and/or furniture SMEs in implementing their projects in the frame of two SILEO Open calls, in this section (2.2) the candidates should provide a short description of their expertise and knowledge regarding the two industrial sectors (lighting & furniture).

STEP 3. Organisation Team

In this section, the technology provider candidates should describe their internal team that will be engaged in supporting lighting and/or furniture SMEs.

STEP 4. Mandatory annexes

The mandatory Annex is the official documentation confirming the registration of the organisation (i.e. Chamber of Commerce register, organisation statute, etc.).

Candidates must submit the EOI + Mandatory Annex in PDF format to the email of SILEO Contact points.

5. Evaluation

Once the Expression of Interest has been submitted, the SILEO Consortium will evaluate the application to assess the expertise, competence, knowledge and technology transfer capacity in the target domain of advanced technologies and digitalization processes for SMEs. Applicant organizations will be selected, validated by the SILEO Consortium, and included in the SILEO Pool of Technology Uptake Facilitators on the basis of:

- ✓ **Professional experience of at least 3 years** in relation to expert consultancy and/or knowledge and technology transfer services for SMEs in the framework of business green and digital transformations with particular focus on the advanced technologies uptake and digitalisation of company operations in the lighting and furniture sectors;
- ✓ **Very good skills in English** (written and spoken).
- ✓ Knowledge of partner countries' languages (Italian, Spanish, German, French and Romanian) and other EU languages are an added value.

The SILEO partners reserve the right to request any additional documentary evidence if it seems necessary in order to verify applicants' skills and knowledge and any potential conflict of interest.

The SILEO Consortium reserves the right to reject any application that fails to comply with the specifications of this Call. Applicants rejected will be notified by the SILEO Consortium.

The validated Applicants will receive the notification email confirming their selection as SILEO technology providers and will be asked to provide the visual materials (organisation's official logos) to be displayed beside their name on the list of experts.

→ Please, get in touch with us if you don't receive any notification email!

The validation process will take up to 7 days from receiving the completed EOI application form.

The validated organisations are included in the **SILEO Pool of Technology Uptake Facilitators** published on the SILEO Application Portal, the SILEO ECCP profile page and SILEO Partners institutional websites.

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6. SILEO Contact points

SILEO CONTACT POINT FOR COUNTRY OF REFERENCE			
Country	SILEO Partners	Representatives	E-mail
EU & SMP associated countries	ELCA European Lighting Cluster Alliance	Marta Krakowiak	marta.krakowiak@elcacluster.eu
FRANCE	Cluster Lumière	Mary Hadidi	m.hadidi@cluster-lumiere.com
SPAIN	CICAT Lighting Cluster	Andrea Padre	apadre@secartys.org
ITALY	Rete di Imprese Luce in Veneto	Antonella Venza	antonella.venza@luceinveneto.com
	Cluster Legno, Arredo e Sistema Casa FVG	Caterina Pezzicar	caterina.pezzicar@clusterarredo.com
AUSTRIA	Business Upper Austria - OÖ. Wirtschaftsagentur GmbH (BIZUP) Building Innovation Cluster (BIC)	Isabella Mantello	isabella.mantello@biz-up.at
ROMANIA	TFC Transylvanian Furniture Cluster	Andreea Toma	andreea.toma@hygia.ro

7. Confidentiality and data protection

In the performance of their tasks, the experts selected by the SMEs shall demonstrate appropriate ethical conduct and must respect the confidentiality of the information and documents to which they will have access.

The personal data collected will be processed in accordance with Regulation (EC) N° 45/2001 of the European Parliament and of the Council of 18 December 2000 on the protection of individuals with regard to the processing of personal data by Community institutions and bodies and on the free movement of such data.

The administrative data of the Applicant selected for the SILEO Business Digital Transformation Project, which will be granted financial support under the current Call, will be included in the related Sub-Grant Agreement signed between the SILEO Coordinator, Partner of Reference and the SME Beneficiary.

8. Disclaimer

The selection and publication in the SILEO Pool of Technology Uptake Facilitators will not constitute a binding element towards any of the SILEO project partners and SME beneficiaries generating any kind of obligations towards the experts and technology providers. The issue of the aforementioned services will be contracted by the SILEO financial support designated SME beneficiaries, who decide from the list of accredited service providers with whom they would like to formalize a collaboration.

SILEO will not be responsible to any legal person in relation to any inaccuracy, error, omission or misleading statements contained in the Eoi form.



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SILEO shall not be liable to any legal person for any damages, losses, costs, liabilities or expenses of any kind, that it may suffer as a consequence of relying upon such information.

It is the responsibility of the technology provider(s) and/or digitalisation expert(s) to inform of any changes to their details, which would result in a change to their original Eoi application. SILEO Consortium will not be responsible to any legal person in relation to any failure to inform any person of inaccuracy, error, omission or misleading statement contained in such information of which it becomes aware after the date of release of that information.