



## D8.2 – Communication, Dissemination, Exploitation and awareness raising plan



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## Document control sheet

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## Executive Summary

This document is the second version of the Communication, Dissemination, Exploitation and awareness raising plan. It traces the strategy for the dissemination and communication activities of the RESILEX project. The document starts with providing an overview of the RESiLEX 's visual identity. It then lists the key project objectives and the target audiences relevant for RESiLEX activities. The Key messages relevant for the project communication are presented in detail, followed by a list of dissemination and communication tools to be used, accompanied by a set of Key Performance Indicators (KPIs). This version provides an update on the progress of the KPIs achieved at M24 The document ends with a detailed schedule of activities to be carried out in the period M25-M36

## Project's visual identity

The present section provides a general overview of the RESILEX visual identity, comprising logo, fonts, colour palettes and graphic elements. These will be used by all partners in the project's related publications and dissemination and communications actions.

*Figure 1 Project logo*



*Figure 2 Project logo on white/blue screen*



Figure 3 Colour codes and fonts

### Fonts

## Dm Sans

#### Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz 012345678  
(,.;:~+~\*~#|~!~\$~%~&~/~?~^~@~)!~\*~>~?~<~±~¶~%~×~†~•~€

#### Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz 012345678  
(,.;:~+~\*~#|~!~\$~%~&~/~?~^~@~)!~\*~>~?~<~±~¶~%~×~†~•~€

#### Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz 012345678  
(,.;:~+~\*~#|~!~\$~%~&~/~?~^~@~)!~\*~>~?~<~±~¶~%~×~†~•~€

### Colors



#222d51

R: 34 C: 99  
G: 45 M: 86  
B: 81 Y: 36  
K: 33



#3f9e98

C: 80 M: 10  
R: 63 Y: 46  
G: 158 B: 152  
K: 0



#f3c138

R: 243 C: 1  
G: 193 M: 27  
B: 52 Y: 99  
K: 0



#8ac7d9

C: 55 M: 0  
R: 138 Y: 14  
G: 199 B: 217  
K: 0

### Dissemination & Communication material:

The following pictures provides an overview of the Dissemination and Communication material developed so far at the time of submitting this report. Further elaborations and types of material will be elaborated during the project’s lifespan.

Figure 4 Social media card



Figure 5 Newsletter #1 and Factsheets #1



**ReSi'lex Newsletter**  
Year #1 update | July 2023

### Development of technological solutions for reusing Silicon, recycling PV modules and designing new products

The RESILEX project has just concluded its first year of activities. Here we are summarizing the achievement so far and the ongoing work.

**CONTENTS**

1. Recovery of critical raw materials from mining wastes and wastewater
2. Sustainable Silicon production
3. Sustainable, eco-designed solar cells & modules
4. Silicon recycling from PV modules
5. Development of high efficiency Silicon composite for Li-ion batteries
6. Multi-Faced impact assessment and policy recommendations
7. Communicating RESILEX
8. News items

**1. Recovery of critical raw materials from mining wastes and wastewater**

Partner CETAQUA first characterized the samples of acidic and solid waters from the mining site to determine which points are of greater interest to recover critical materials. In parallel, we designed two treatment trains to recover valuable metals from wastewater and mining waste, respectively.

The first will be located at CETAQUA facilities and consists of a non-ferrous metal recovery unit followed by an adsorption module with a final crystallizer. The second will be located at THARSIS facilities and consists of a thermal waste valorization unit. These treatment trains are currently under construction.




**ReSi'lex**

Reducing the EU dependence on critical raw materials for solar panel production

### RESILEX Project - Technological solutions for reusing Silicon and recycling PV modules

The objective of RESILEX is to improve the resilience and sustainability of the entire Silicon value chain and reduce EU dependence on critical raw materials for solar panel production.

The project's activities will cover the extraction and transformation of raw materials up to the optimisation and recycling of PV modules, but also will create an industrial symbiosis with the battery sector.

### The mining industry: innovative solutions for the recovery of CRM from wastes

According to the latest analyses, global demand for critical raw materials (CRM) is expected to have a 500% increase by 2050, causing sharp price rises and increased supply risks in the near future.

In such a competitive environment, the EU's objective is to secure stable supplies, boost its strategic autonomy and decrease its dependency on imports. Today, when it comes to the mining, refining and processing of raw materials, China stands out as the dominant global player.

One way to become less dependant from these imports, would be the development of innovative solutions to recover CRM from mining wastes.

Contributing to this goal, one key activity of RESILEX deals with:

**1. Characterization of wastes from the mineral extraction sector**, in order to understand the concentration of CRM to be recovered and the presence of other pollutants. This step will be done through physico-chemical analysis, ion-chromatography and ICP-OES/ICP-MS for trace elements. Wastes from numerous and diverse mining sites such as the cobalt mine of Tharsis will be targeted by this study led by Cetaqua.


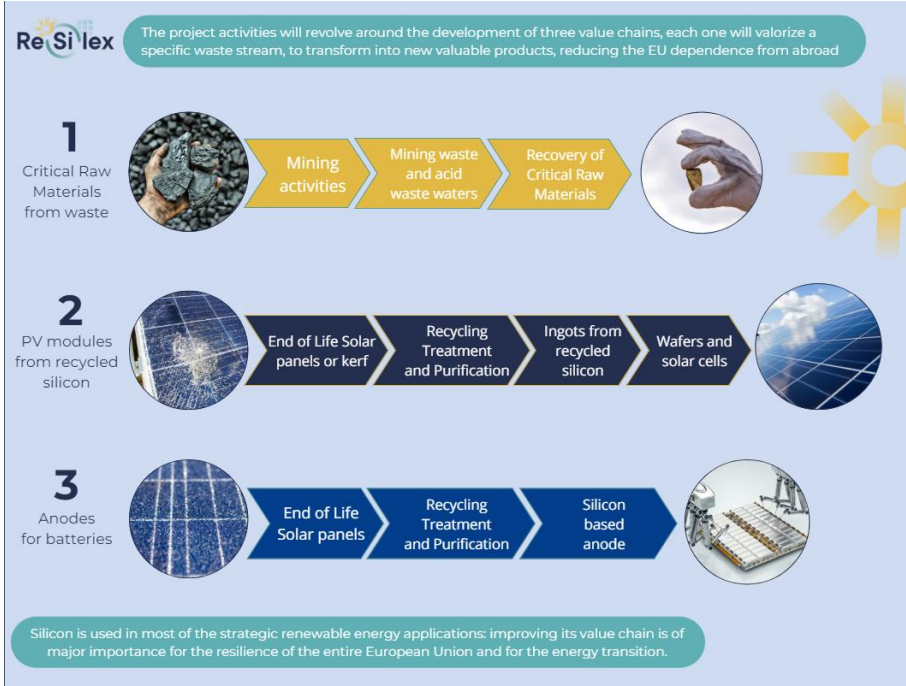


Figure 6 Internal part of Leaflet #2



## Objectives and key messages

The EU's industry is highly dependent on imported (critical) raw materials to satisfy the local demand and maintain its competitiveness, especially for strategic sectors such as renewable energy, mobility or aerospace. Electrification and industry 4.0 are increasing the needs for specific and rare elements becoming critical for the entire EU.

In line with the action plan “Critical Raw Materials Resilience: Charting a Path towards greater Security and Sustainability”, there is an urgent need to create sustainable and resilient value chains in the EU.

This explains the need for transformative technologies and processes to develop more resilient and circular value chains in Europe. Exploration, extraction, processing and recycling of critical raw materials are the key enablers to help secure and diversify supply from both primary and secondary sources and contribute to the EU's long term industrial resilience. In this critical context, the RESILEX project seeks to find new solutions to ease the position of the EU regarding the supply of Critical Raw Materials (CRMs).

The RESILEX dissemination and communication (D&C) activities have the objective of maximizing the impact of the project's results by reaching the identified target audiences. This shall be done by promoting and showcasing the 8 technological solutions demonstrated by RESILEX during its lifespan:

- Circular CRM recovery process for waste streams in the mining industry
- Aluminothermic slag reduction using different secondary silicate and aluminium raw material
- Crystalline nano-powder production with thin carbon-coating layers from purified kerf & end-of life solar cells
- Solar cells using wafers made from revalorized silicon waste
- Indium-free and Silver-free solar cells with passivated contacts
- PV modules with bio-sourced encapsulant and recycled frame
- Froth flotation and electrostatic separation of Silicon from end-of-life PV modules
- Development of Silicon composite material for Lithium-ion battery cells

Given this framework, the communication and dissemination activities will stem from an initial set of key messages, able to make people understand the urgency of the situation, but also the many opportunities that could arise from a successful implementation of the project's solutions. The RESILEX key messages are:

- Critical raw materials are essential for the green transition, RESILEX can show how to reduce the EU dependency from the import of such resources
- Critical raw materials dependency can be solved by innovative technological means
- Reducing the environmental footprint of PV modules? It's possible!
- Recovery of waste materials is essential for making the energy transition more sustainable.
- Give a second-life chance to silicon to facilitate the energy transition
- Cheaper and more sustainable PV modules are possible

## Awareness raising

RESILEX consortium and specially the communication committee (comprised of all Task leaders in WP8), are committed to spread awareness of RESILEX and the challenges targeted by the project and foster social acceptance of RESILEX and its solutions to those. The key messages listed above will be pivotal for this effort throughout the project. More specifically, awareness raising will be addressed through two different aspects:

- Targeting industrial stakeholders and policy-makers through WP7 (societal impact assessment and public acceptance performed by IMPERIAL and the stakeholder's workshop and open platforms developed by SPE.
- Targeting the general public through communication campaigns, social media, articles and other D&C tools. The impact assessment performed by IMPERIAL will serve as a baseline to assess and address the most challenging points. Worth noting, ISMC, ICAMCYL, SPE, TENERRDIS or ETA all have a wide knowledge and experience on how to best approach this aspect on the entire value chain (from the mining industry with ISMC and ICAMCYL, to the solar PV industry with SPE). All these entities are actively participating in awareness raising activities.

## Target audience

The table below identifies the main target audience groups deemed relevant for the RESILEX project. It also provides a provisional list of specific stakeholders in each category.

*Table 1 Target audience groups*

Group	Specific subjects
<i>Research Community</i>	Members of the EIT Raw materials community, Universities, RTOs, Research clusters.
<i>Private Stakeholders</i>	Members of Solar Power Europe, Public/Private clusters in the mining sector, Energy producers interested in PV innovations (e.g. ENEL), European manufacturers of PV, ETIP PV, European Raw Material Alliance (ERMA), CRM Alliance, Euromines, Euroalliages - Association of European ferro-Alloy producers, European Battery Alliance.
<i>Other stakeholders</i>	Policy makers at EU/National level, similar projects and initiatives (RESILEX will aim for joint-activities), ERA-NET Cofund on Raw Materials, Water Europe and the BATT4EU, European Solar Initiative.

In parallel, **WP7** and **WP8** have been working on an extensive **stakeholders database** which can be used both for clustering and dissemination activities. This list is duly employed by WP8 members.

Name	Address	Logo	Website link	Short description	Main interest/role	Main subgroup
WACKER Chemie A	Schiffbauerdamm 9 10117 Berlin Germany		<a href="https://www.wacker.com">https://www.wacker.com</a>	Wacker Chemie AG is a German multinational chemical company. The product range includes silicone rubbers, polymer products like ethylene vinyl acetate redispersible polymer powder, chemical materials, polysilicon and wafers for the semiconductor industry. The company sells its products in more than 100 countries.	Economical	Processing & recycling
ENEL Green power	Viale Regina Margherita, 25 00186 Rome - Italy		<a href="https://www.enelgreenpower.com">https://www.enelgreenpower.com</a>	Enel Green Power is an Italian multinational renewable energy company. The company manages more than 1,200 power plants on five continents. The company is present with assets in operation or under construction in 27 countries and manages development activities in 6 other countries. Enel Green Power has been awarded the Best Green Deal award by the Economist Intelligence Unit in 2019.	Economical	Processing & recycling
Desert Technologies	King Road Tower Office 2203, 22nd Floor, Jeddah, 21524 Kingdom of Saudi Arabia		<a href="https://desert-technologies.com">https://desert-technologies.com</a>	Desert Technologies is an independent fully integrated PV solar energy platform with a proven track record as a PV developer, EPC and O&M contractor and PV solar panel & product manufacturer through its 100MW capacity factory in Jeddah, Kingdom of Saudi Arabia (KSA).	Economical	Processing & recycling
Meyer Burger	Meyer Burger Technology AG Schorenstrasse 39 CH-3645 Gwetl (Thun), Switzerland		<a href="https://www.meyerburger.com">https://www.meyerburger.com</a>	Meyer Burger is a leading manufacturer of precision micro-machining and micro-machining supplier for example with diamond wire saw technology, PERC solar cell technology and high-precision measurement systems for silicon wafers, solar cells and modules. Since 2019, the company's focus has been on its own production of solar cells.	Economical	Processing & recycling
Solarwatt	SOLARWATT GmbH Hana-Rische-Strasse 2a 01103 Dresden		<a href="https://www.solarwatt.de/">https://www.solarwatt.de/</a>	Solarwatt is a leading manufacturer of solar energy storage systems for residential and small businesses. The company consistently pursues a strategy of complete energetic system, including the energy generation of photovoltaic modules, the energy management in the house and the local storage of the generated solar power for the end user.	Economical	Processing & recycling
First Solar	First Solar, Inc. 350 West Washington Street, Suite 600 Tempe, Arizona 85281 USA		<a href="https://www.firstsolar.com/">https://www.firstsolar.com/</a>	First Solar is a leading manufacturer of solar energy storage systems and a major provider of responsibly produced eco-efficient solar modules advancing the fight against climate change. The company is unique among the world's ten largest solar manufacturers for being the only US headquartered company and not manufacturing in China. First Solar was awarded the Best Green Deal award by the Economist Intelligence Unit in 2019.	Economical	Processing & recycling
Endurans Solar	Endurans™ Solar 115 Sun Brook Road Nashua, NH 03060 USA		<a href="https://endurans-solar.com/">https://endurans-solar.com/</a>	Endurans™ Solar is a subsidiary of Worthen Industries - a family-owned, highly diversified manufacturing company headquartered in Nashua, New Hampshire, USA. Worthen Industries has been applying science and technology to develop high-quality adhesives, coatings, extruded films, and laminated products, since 1966.	Economical	Processing & recycling

Figure 7 Stakeholders database

## Communication tools

To convey the key messages to the target audiences and grant the maximum outreach of the RESILEX technological solutions, WP8 will rely on wide array of communication tools, detailed in the table below.

The “KPI” column on the right indicates the Key Performance Indexes that partners have agreed to achieve related to each tool. The text in green highlights the progress status achieved at M24.

Communication tool	What	KPI
Project website	Fully functional website containing key and easy-to understand information on the project scope updates partners. Dedicated pages will focus on the 8 technological solutions	1000 visits per year 13.535 page views from 858 unique users 1036 downloads
Social media	RESILEX will use LinkedIn as the main social media, capable to better interact with the desired target audience and spread news and visual materials	150 followers every year and 1000 interactions per year 427 followers, 17.352 unique visualizations, 2766 clicks

Newsletters	Classical newsletters will periodically provide a wrap-up of the project activities at regular intervals	2 Newsletters per year 1 Newsletter published (M18) 1 Newsletter distributing the Press release of April 2024 (1.838 opens and 122 downloads)
Visual material	A wide array of promotional cards, infographics and factsheets will be published to boost the project's communication and let the audience to clearly understand RESILEX activities	16 factsheets published by M48 2 factsheets released  8 infographics published by M48 1 infographic released  36 cards published by M48 27 cards published

## Dissemination tools

Dissemination activities will convene more technical and information dense-content, targeting highly specialized audiences in specific venues/events. The table below shows details the Dissemination tools to be used.

Dissemination tool	What	KPI
Scientific publications	Articles to be published in scientific journals, made available following the Open-access approach	10 articles published 2 articles published
Outreach articles	Dissemination articles destined to a wider public, published in European online magazines	10 articles published by M48 5 articles published

	(example: PV magazine, Solar Energy)	
Webinars	Online webinars organised in conjunction with the release of specific project Deliverables or achievement of significant results	6 webinars by M48 1 webinar organized
RESILEX events	Organisation of topical RESILEX event addressing specific audiences selected from Table 1 (example: event in Brussels with policy makers, focusing on CRM sourcing)	3 events by M48 2 events organized
Participation to external events	Participation given in professional conferences/fairs such as the IMARC conference, PV forms landscapes, Intersolar, EU Raw Materials Week, Mining and Minerals Hall	12 presentations during external events 28 presentations and 7 attendance of exhibitions

## Monitoring and approvals

It is very important to monitor all the Dissemination and Communication activities that Partners carry out in the course of the project. For this purpose, the dedicated monitoring table must be continuously updated, this table is available in the project's SharePoint.

In addition, the pictures relative to presentations and/or participation to events and fairs, shall be uploaded in the SharePoint or sent to ETA and ISMC.

All project participants, as stated in articles 16 and 17 of the Grant Agreement, have the obligation to communicate the consortium any dissemination of project results. Further details are provided in article 8.4 of RESILEX Consortium Agreement. Dissemination of results (publications, articles, etc) must be communicated to ISMC (also to ETA and eFund) with anticipation of 30 days. Regarding participations in events, the communication on written must be received 7 days before the event. However, the recommendation provided in every consortium meeting is to contact the coordination and communication teams as soon as possible, so the case can be assessed considering increase synchronisation between partners, ensure that the event or publication is relevant, avoid potential conflicts between the participants generating the result and also ensure that Horizon Europe rules are followed. The assessment of these elements is essential to obtain the approval of the coordinator for the dissemination or communication action.

Regarding the rules for the publication of scientific articles acknowledging RESILEX, project participants are reminded to follow the Data Management Plan provisions.

Any scientific article must ensure at least the following:

- Immediate Open Access
- Only publication fees in full open access (OA) venues are eligible
- APC fees for Gold OA journal is allowed, but not for Hybrid OA

## Relevant events

It is essential to keep track of large European conferences and fairs, relevant (and recurrent) for the activities and topics addressed by RESILEX. For this purpose, in the first version of this document, we putted down our first version of the list of the most relevant events taking place in Europe. This list has evolved, and partners have created a new, dynamic and more detailed list, available on the project's Sharepoint, which gathers more than 160 events classified by sector and identifying involvement or attendance of project participants.

Event name	Period
Mining and Minerals Hall	October (biennial)

EU Raw Materials Week	November/December (annual)
International Conference on Renewable Energy Technology	January
International Conference on Advanced Batteries and Energy Systems	January
Solar power summit	March
The battery Show Europe	June
Intersolar Europe	June
International Conference on Solar Energy Photovoltaics	July
PV Forms landscapes	September
EU PVSEC	September

## Exploitation & Scale-up plan

During the course of the project, a detailed assessment of all 8 pilots' scalability, replicability and commercialisation options will be established to guide partners with the exploitation of their technologies. An exploitation plan was elaborated in tasks T8.2 & T8.3 between Tenerrdis and ISMC including 10 steps to help evaluate each technology in this project.

### The exploitation strategy and business case

TENERRDIS is leading the development of the "Business Case" in task T8.2 and ISMC is leading task T8.3 about "Exploitation Strategy & Replication roadmap for other CRM value chains". In order to increase efficiency, ensure clarity and engagement of the consortium, ISMC and TENERRDIS are working hand-in-hand towards the successful exploitation of RESiLEX results, connecting the work developed for T1.4, T8.2 and T8.3. Although the targets and deliverables of each of these tasks remain as described in the Grant Agreement, the planning and data gathering have been organised using a common step-by-step project exploitation strategy. The draft exploitation strategy was presented during the M6 consortium meeting showcasing the mentioned 10-step strategy that goes as follow:

1. Commercial products of RESiLEX: to give an overview of the main KERs of RESiLEX in order to detect potential commercial products that could come out at the end of the project and to suggest some possibilities for the partners
2. Value chains: to visualise the main value chains of the project and show the connections between the demonstration projects
3. Global exploitation scheme: to present a general exploitation and replication options for each RESiLEX technology
4. Markets, Segments & User needs: to conduct a market study to quantify the expected trends of the market, and to describe the technical and economic driving forces for the adoption of each solution
5. Value proposition and competitors: to dive deeper into the positioning of RESiLEX's technologies in comparison with the existing competition by performing a cost breakdown, a SWOT analysis, an environmental impact assessment, etc.
6. Business model: to prepare a tangible plan for RESiLEX's technologies using all the information collected in the previous steps
7. Exploitation teams: to identify key personnel and experts from each partner involved in both the technological field targeted and in the business development / technology transfer / sales management, to lead the exploitation roadmap

8. Commercialisation roadmap: to present a plan for a potential full-scale manufacturing in Europe depending on the TRL achieved, a scale-up plan, a potential replication in Europe, synergies with other funds, etc.
9. Risk assessment: to identify qualitatively the internal and external factors / barriers able to influence the implementation: Public acceptance, technical and economic barriers, political factors, etc.
10. Turnovers & job creations: to present projections for the following years after the end of RESiLEX project

The first 3 steps and interviews with the partners

The first 3 steps of the exploitation strategy were prepared by TENERRDIS using the different elements presented by the technical partners during M6 & M12 consortium meetings. Those elements were presented individually to each technical partner involved in a demonstration project in RESiLEX during 12 different meetings conducted between M14 and M17. Those meetings were conducted in close collaboration with ISMC leading the IPR task T1.4 and the exploitation and replication task T8.3. The main objective of these meetings was to explain the importance of these 3 tasks and to collect feedback for the IPR and the exploitation plan. 12 feedback were collected by Tenerrdis and ISMC but are to remain confidential for the time being. Further information will be detailed in different dedicated deliverables. In the next months, the work on the exploitation & scale-up plan will be intensified in order to finalise the deliverables D8.4 “Interim version of exploitation Strategy and Replication Roadmap Plan” due at M33 led by ISMC, and D8.5 “Intermediate Business Case” due at M35 led by Tenerrdis.

The first 3 steps of the exploitation strategy will be presented below, but it's important to mention that these elements don't include all the detailed information from the feedbacks (which will be presented in the dedicated deliverable later) for confidentiality purposes:

Step 1: Commercial products of RESiLEX

	Description	TRL Start-end	Products coming out from RESiLEX	Planned exploitation activities	Partners involved
<b>Demo Project</b>	<i>New tools? New knowledges? Best practices?</i>	<i>TRL projection</i>	<i>What is the exploitable product ? What is the type of product ? (Physical product or pilot plant or technology/license ?)</i>	<i>Publication? Patent? New product? Development of new activities? Accelerate the transfer of technologies? Upscaling from laboratory to a pilot scale? New collaborations? New projects?</i>	<i>Partner X &amp; Partner Y</i>
<b>P1</b>	Circular recovery process for waste streams in the mining industry (WP2) Resource Recovery Treatment Train	4 – 6	1- Multiple recovered CRMs from mines / internal use of technology 2- Pilot plant (selling of pilot plant) 3- Licensing (selling of design/concept of the plant)	Patent, Upscaling, New projects (Replication), Direct selling of product	THARSIS (1 unit), CETAQUA (2 units)
<b>P2</b>	Aluminothermic slag reduction using different secondary silicate and aluminium raw material (WP3)	5 – 7	1- SisAI pilot plant (selling the plant) 2- Licensing (selling of design/concept of the plant)	Patent, Upscaling (SisAI)	NTNU, CEA
<b>P3</b>	Crystalline nanopowder production with thin carbon coating layers from purified kerf & end of life solar cells (WP3)	5/6 – 7/8	1- Recycled Silicon Nano powder -composite materials 2- Production and sales 3- Plans for P3.1 & P3.2 spin offs	Patent, REACH Registration and Upscaling	NPW, COMET
<b>P4</b>	Solar cells using wafers made from revalorized Si waste (WP4)	4 – 6	Licensing (selling of design/concept)	Patent, Upscaling	CEA, CSEM, NTNU?
<b>P5</b>	In-free and Ag-free solar cells with passivated contacts (WP4)	5 – 7	Licensing (selling of design/concept)	Patent, Upscaling, Transfer of technologies	CSEM, CEA, CNRS
<b>P6</b>	Eco-designed PV modules with encapsulant, front/back-sheet and frame based on bio-sourced polymers as well as on environmentally friendly and/or recycled materials (WP4)	4 – 6	Licensing (selling of design/concept)	Patent, Upscaling, Transfer of technologies (must be discussed)	CEA, CSEM
<b>P7</b>	Froth flotation / electrostatic separation of Silicon from end-of-life PV modules (WP5)	4 – 6/7	1- Extraction of Si powder from EoL PPV 2- Pilot plant (selling of pilot plant) 3- Licensing (selling of design/concept)	Patent, Upscaling	COM, ENV, REC, ULI
<b>P8</b>	Development of Silicon composite material for Li-ion battery cell (WP6)	4 – 6	1- Si-based Anode/battery manufacturing 2- Licensing (selling of design/concept)	Patent, Upscaling	CCB, CEA, CSEM, ULI

Figure 8 Commercial products of Resilex

Step 2: Value chains (P1, P2, P3, ... being the numbers of the demo project from the table in step 1)

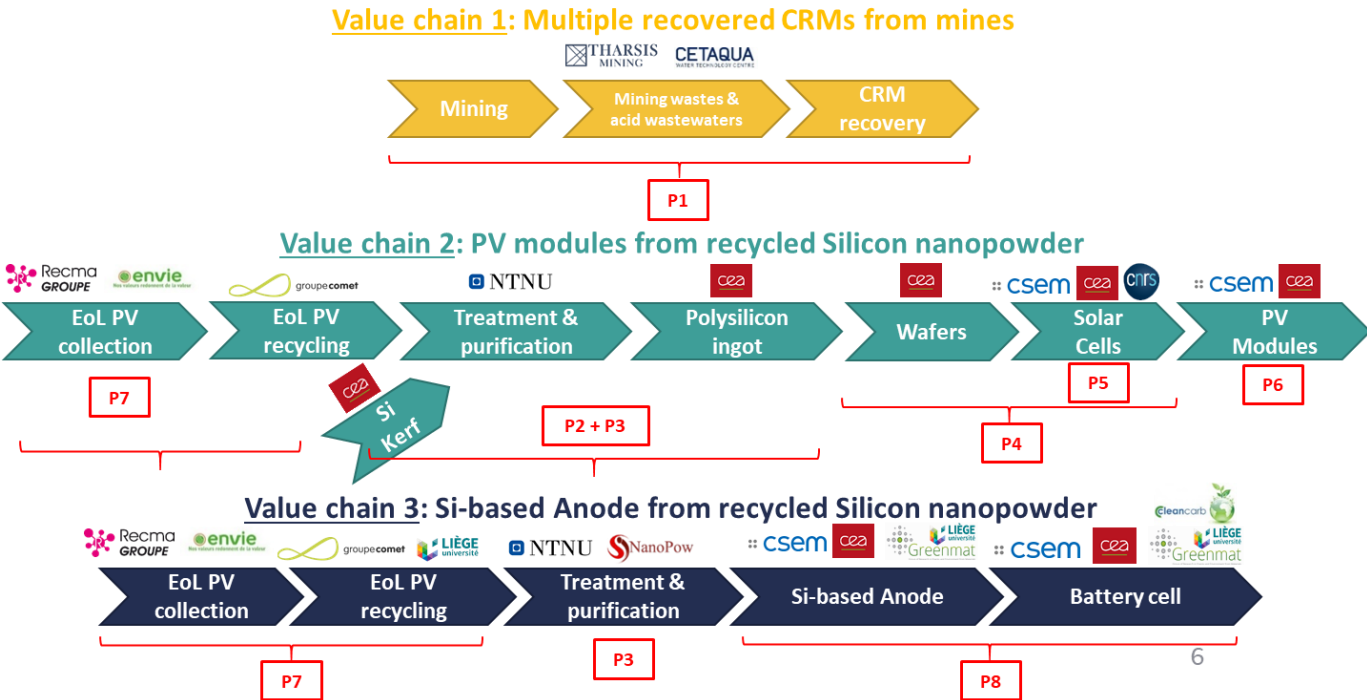


Figure 9 Resilex Value Chains

Step 3: Global exploitation scheme (12 different detailed versions were prepared and shared with each partner to collect feedbacks and inputs)



Figure 10 Global exploitation scheme

### Connection with other tasks

A connection was identified between different tasks, such as: T1.4, T2.5, T7.1, T7.2 & T8.3. the tasks T8.2 & T8.3 will be closely developed to improve the final deliverables (D8.4, D8.5, D8.6 and D8.9 due between M33 and M48) and avoid overlapping and contradictions. Meetings were conducted with the leaders of these tasks to present them the 10-step exploitation strategy and to deliver an internal document presenting the interconnection with these tasks and the needed data for each step of the strategy. It is agreed between the task leaders that more reinforced meetings will be conducted between these tasks after M24 to optimise efforts and to share information that could serve each task.

## Schedule of activities

The table below provides the schedule of dissemination and communication activities that WP8 shall enact in the run up to M18 and the first revision of the present document. The next releases of the Dissemination and Communication plan will update this table, providing a schedule for the next period ahead.

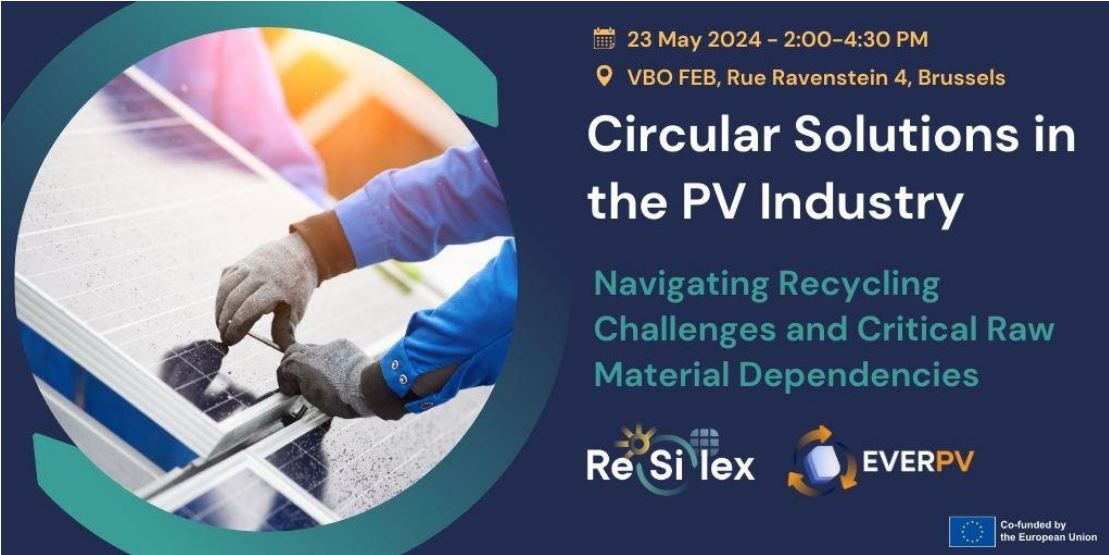
Activity	When
Second project newsletter	M25-M26
Posting social media cards on the LinkedIn account	M25-M36
Second webinar	M28
Third and fourth webinars	M29-M36
New batch of (3) factsheets	M25-M29
Third project event	M29-M36

Batch of two video pills	M28-M32
Publication of new outreach articles (minimum 4)	M24-M36
Scientific publications (minimum 4)	M25-M36

# Annex I; Relevant activities



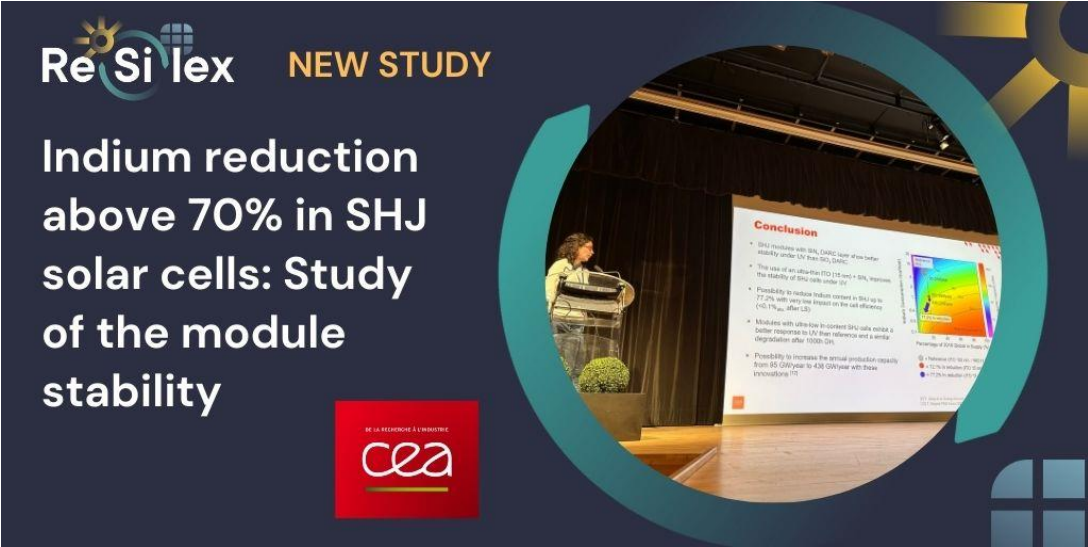
Follow up card of the [workshop organised](#) in Brussels by Resilex and EverPV



Promo card of the workshop organised in Brussels



Promo card of the [Policy questionnaire](#) initiated by Resilex in May 2024



Presentation of the Study on the Indium reduction achievements for the solar cells production, [delivered at the Silicon PV conference](#)



## CRITICAL RAW MATERIALS WHAT IS AT STAKE?

**11:00** Welcome and Intro Giulio Poggiaroni (ETA Florence)

**11:05** The Critical Raw Materials Act: dependencies and objectives Daniel Cios (European Commission)

**11:25** Recycling silicon for Solar panels and battery production: Santiago Cuesta Lòpez, Francisco J. Luque (ISMC - RESILEX)

**11:40** Building a sustainable supply chain for magnetic rare earth materials: Carlo Burkhardt (University of Pforzheim - REESILIENCE)

**11:55** Metals, wastes, and new value chains: Marie Nicolle (Groupe Comet)

**TIME FOR Q&A**

Co-funded by the European Union  

Agenda of [the webinar](#) organised in January 2024



## CRITICAL RAW MATERIALS WHAT IS AT STAKE?

 **RECORDING AVAILABLE**



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Follow up card of the same webinar



Tenerrdis at the MIXE event



Tenerrdis at ENLIT EUROPE



Tenerrdis presenting Resilex at the MIXE event workshop



**ReSi lex**

**Battery expert day (FR)  
organised by Tenerrdis**

**Resilex showing the link  
between PV recycling  
and battery production**

**Tenerrdis**  
Auvergne-Rhône-Alpes

**LIÈGE**  
université

Resilex presented by Tenerrdis and ULiege at the Battery expert day in France



**ReSi lex**

**RESiLEX Project booth  
at the Tenerrdis village  
in MIX.E event in Lyon!**

**MIX.E**  
MAY 10 · 11, 2023 · FRANCE

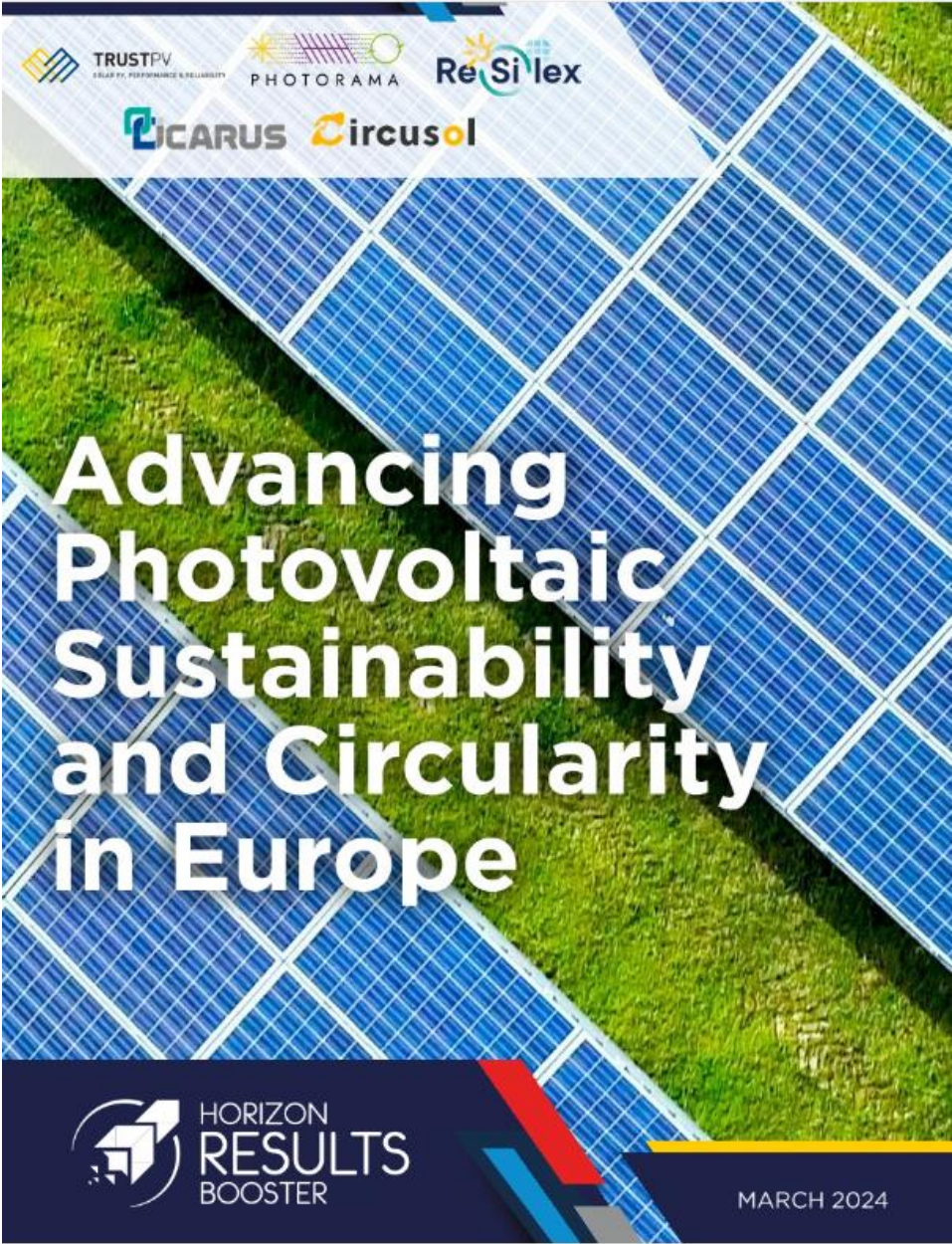
Resilex booyh at the MIXE event



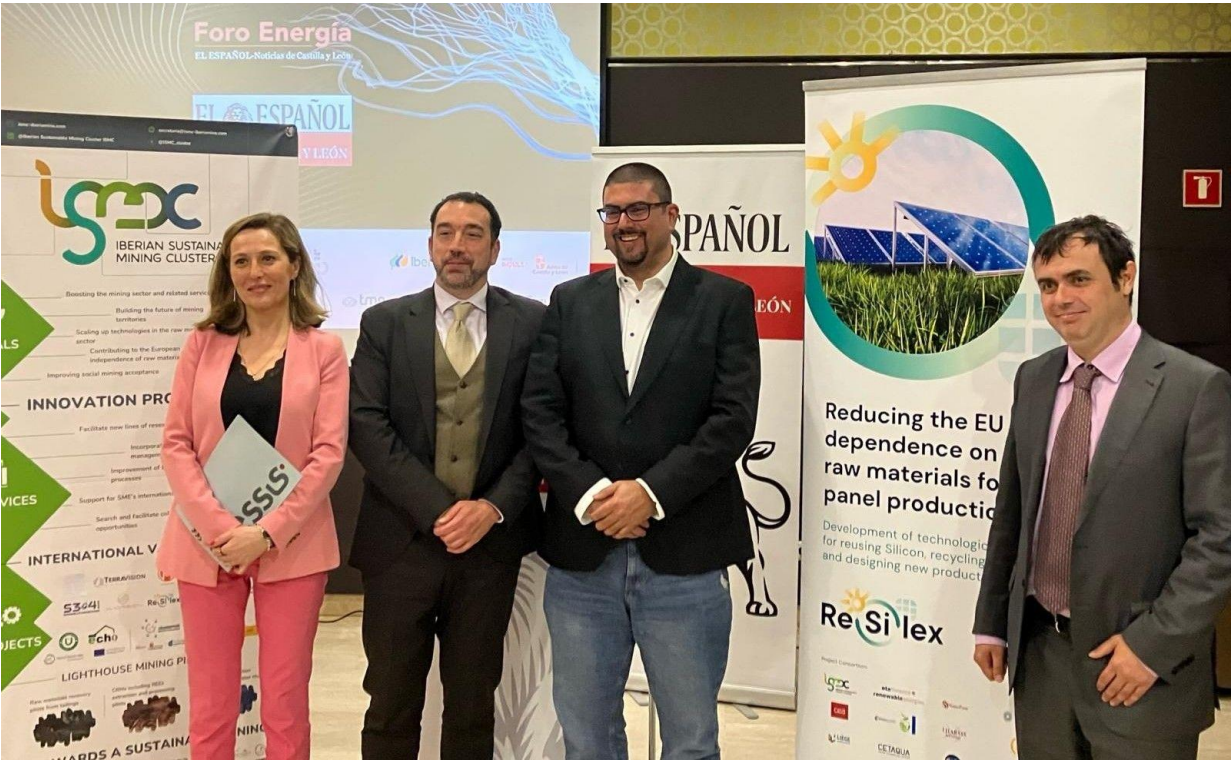
The promo card of the May 2024 [Press Release](#)



ISMOC attending the 6<sup>th</sup> Raw Materials Summit organised by EIT RawMaterials



The Policy [recommendations](#) that Resilex contributed to



ISMC presenting RESILEX during the Spanish event “Foro Energía” in Valladolid



ISMC presented ResiLex during a multi project workshop part of the Sustainable Solar week 2023



ISMC participating in the XV International Congress of Energy and Mineral Resources, taking place in Leon, Spain.



ETA distributed RESiLEX leaflets during the ZeroEmissions fair in Rome (October 2023)



Tenerrdis attended the EIT RawMaterials Partner Day in Darmstadt, Germany, on 10th October and the EIT RawMaterials Expert Forum: Materials for Battery Innovation, on the 11th of October.



ISMC attended the Expert Forum: Photovoltaic and Hydrogen Materials Driving the Net-Zero Transition of the EIT RawMaterials

# ReSi lex



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