



## D7.4 – Eco-design strategy open platform



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## Document control sheet

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## Executive Summary

The [RESiLEX Policy Platform](#) is a key deliverable of the EU-funded RESiLEX project, designed to advance sustainable and resilient sourcing of critical raw materials (CRMs), with a focus on the photovoltaic (PV) and battery sectors. Developed through an agile, collaborative process led by SolarPower Europe, the platform is structured around three main components: Policy updates, a Knowledge hub, and a Stakeholder engagement and feedback section. Each of these pillars plays a distinct role in supporting informed policymaking and fostering cross-sector collaboration across the European silicon value chain.

The Platform provides users with up-to-date information on relevant legislation and policy initiatives, access to technical resources and case studies, and interactive tools to collect stakeholder input. In doing so, it serves as both a repository of knowledge and a space for dialogue, helping to ensure that EU policy development is grounded in the experiences and needs of industry actors, researchers and other key stakeholders.

Its design was assessed against seven success criteria defined in the project's Grant Agreement: purpose, clarity, usability, accessibility, user focus, navigation and appearance. Initial feedback indicates that the platform meets these criteria effectively, with particular strengths in clarity, user orientation and visual presentation. Areas identified for further improvement include enhancing navigation through floating menus or sidebars, improving accessibility standards, and tailoring content more specifically to different stakeholder groups.

Launched in its first full version at Month 36 (May 2025), the Platform remains dynamic and will continue to be updated throughout the duration of the project, particularly as findings from related Work Packages (such as Task 7.3) become available. By enabling ongoing engagement and knowledge exchange, the RESiLEX Policy Platform is set to play a strategic role in supporting more resilient and sustainable raw material value chains across Europe.

## Introduction

The European Union's transition to a green and digital economy hinges on the secure, sustainable, and resilient supply of critical raw materials (CRMs). Within this context, the RESiLEX project addresses key challenges related to the responsible sourcing of silicon for photovoltaic (PV) technologies and lithium for batteries, two sectors vital to Europe's strategic autonomy and climate ambitions.

As part of Work Package 7, which focuses on multi-faceted impact assessment and EU policy recommendations, the [RESiLEX Policy Platform](#) was conceived to serve as both a knowledge-sharing tool and a mechanism for stakeholder engagement. Its purpose is to foster dialogue, collect insights and inform EU-level policy through a collaborative, user-driven approach.

The platform is designed to be open and accessible, engaging a broad spectrum of stakeholders—industry representatives, policymakers, researchers, and civil society actors—through structured interactions. Built around three main sections, Policy updates, the Knowledge hub, and Stakeholder engagement and feedback, the platform offers timely policy intelligence, curated technical resources, and tools for input collection.

This deliverable outlines the platform's development journey, from the initial concept co-created at Month 12 through to its full launch at Month 36. It provides an overview of the iterative design process, stakeholder consultations and technical integration, and assesses the platform against seven core success factors: purpose, clarity, usability, accessibility, user focus, navigation, and appearance.

Looking ahead, the platform will continue to evolve, integrating emerging project findings and refining its structure in response to user feedback. Ultimately, it is intended to remain a lasting, impactful tool in shaping policies that strengthen the resilience and sustainability of Europe's CRM value chains.

## Development of the ReSiLex Policy Platform

### Aim of the Platform

Task 7.4 of the RESiLEX project is dedicated to the creation and deployment of an open, interactive platform designed to support policy formulation and enhance stakeholder engagement across the European Union. The initiative, grounded in the strategic

framework defined in Task 7.3, adopts an agile development methodology led by SolarPower Europe (SPE), with technical support from ETA Florence and Tenerrdis. The platform is shaped around seven essential success criteria: purpose, clarity, usability, accessibility, user-centric design, navigation, and visual coherence.

The platform aims to serve as a tool in advancing sustainable practices in the sourcing and exploitation of critical raw materials, particularly within the PV and battery sectors. It is intended to gather and synthesise stakeholder feedback, helping to identify challenges across the European PV supply chain, especially for silicon-based modules and lithium-ion batteries, and inform policy recommendations targeted at EU decision-makers.

## Development

The development process officially started M12 of the project, during the Consortium Meeting held in Florence. During a dedicated session, SPE introduced the initial platform concept, initiating a collaborative brainstorming process to shape its content and identify potential risks. To expand participation and gather diverse perspectives, the SLIDO platform was used to collect feedback from consortium partners through two guiding questions: first, to understand expectations regarding the platform's potential to promote sustainable practices, knowledge exchange, and collaboration; and second, to identify priority stakeholder groups crucial to effective policy development.

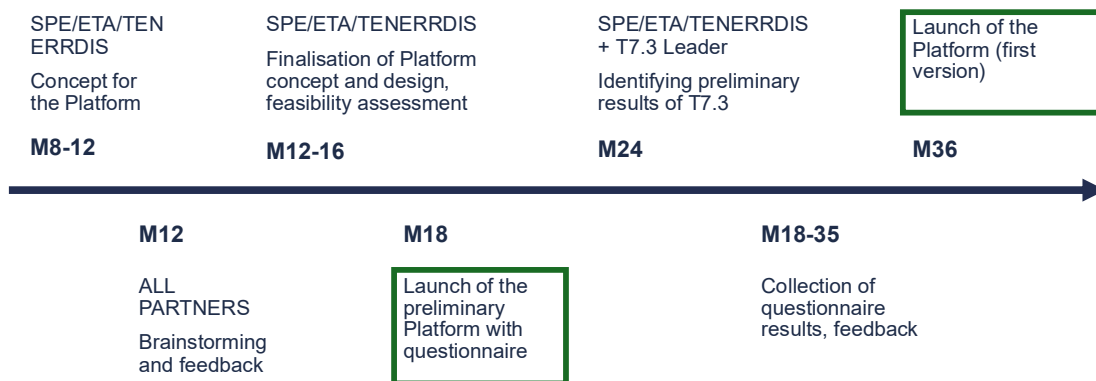
Responses highlighted the need for the platform to facilitate direct contact among stakeholders, provide access to existing policy recommendations, feature toolkits and educational events and maintain a clear, engaging presentation of the project's objectives. Emphasis was also placed on the importance of integrating news on upcoming EU regulations, establishing links with other relevant initiatives, and attracting external organisations. The risk of underutilisation after the project's conclusion was flagged, underscoring the importance of promoting early and consistent engagement through a pre-launched version of the platform that could be shared widely.

In response to the second question, stakeholders identified three key groups to prioritise in the platform's outreach strategy: recycling companies and waste management organisations, silicon suppliers and producers and solar PV manufacturers. This feedback shaped the ongoing refinement of the platform concept

and supported the decision to proceed with a pre-launch version at M18, ensuring the Platform remains dynamic and visible throughout the project’s lifespan.

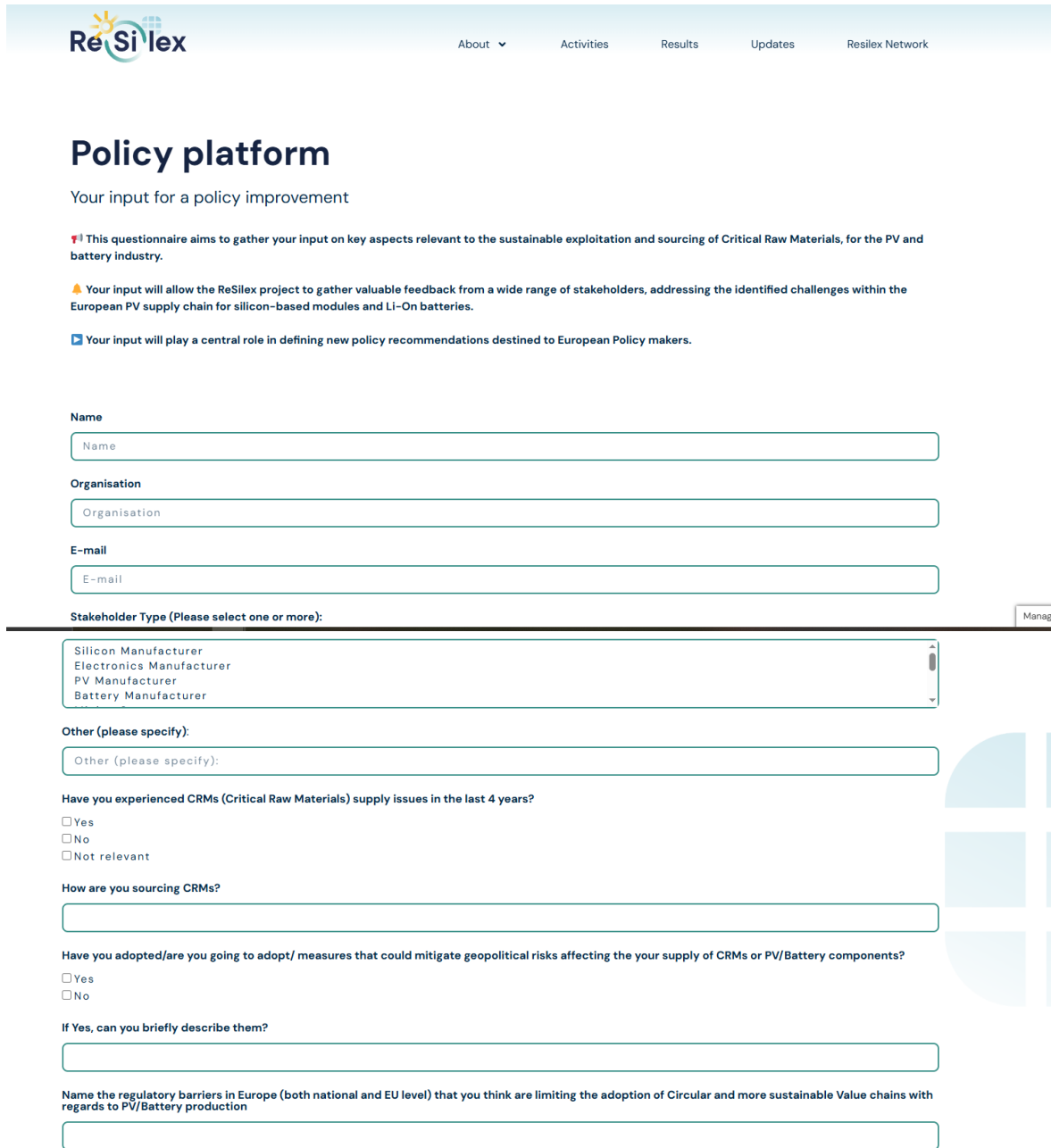
Several meetings were held to support platform development. These included a physical discussion in Florence at the M12 meeting, followed by online sessions with ETA Florence on 7 September and 6 October 2023 to integrate the platform into the RESiLEX website. Technical feasibility and structural elements were addressed further in M15 meetings with ETA. In M16, a joint session with ETA and Tenerrdis finalised the platform’s design and content structure. A meeting with T7.3 task leader was also organised at M24 to discuss how to integrate the preliminary findings of the task on the Platform. The period M18 to M35 has been dedicated to a stakeholder consultation process to align the platform with user needs.

Figure 1 Timeline of the development of the RESiLEX Policy Platform



The preliminary version of the RESiLEX Policy Platform was launched in M18 with a stakeholder questionnaire, laying the groundwork for its full implementation and long-term impact on EU policymaking in sustainable critical raw material management. The analysis of the results of the questionnaire are available in D7.5 and will not be detailed in this deliverable.

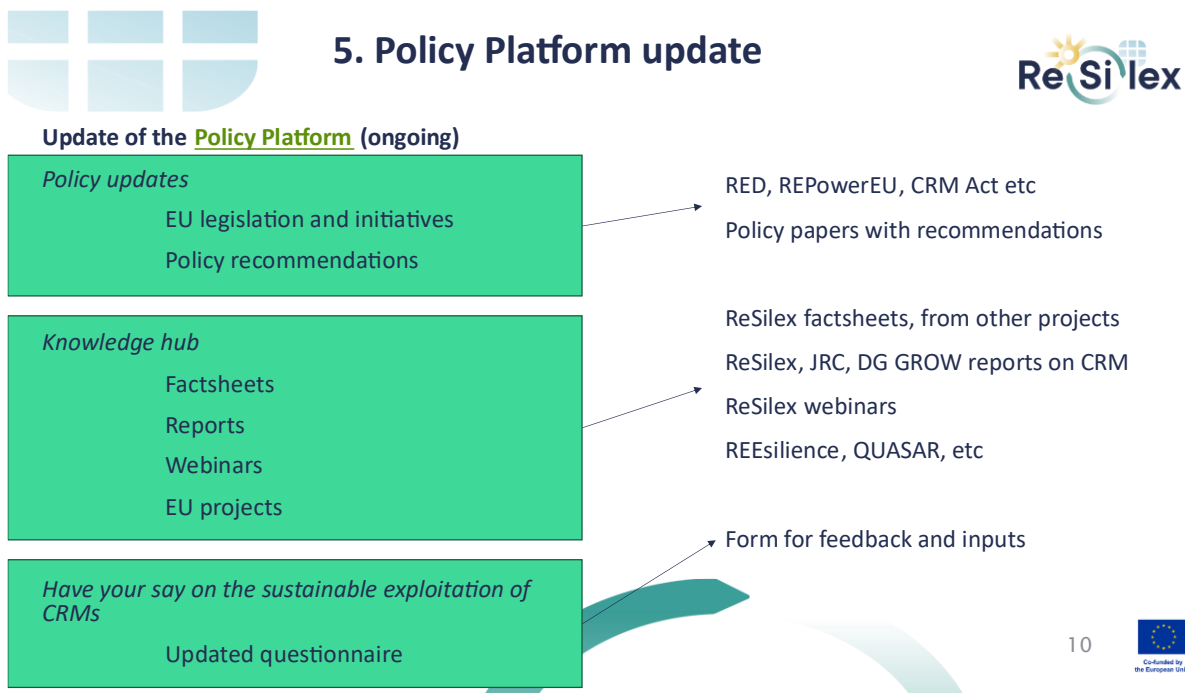
Figure 2 A snapshot of the appearance of the questionnaire



The screenshot shows the 'Policy platform' questionnaire interface. At the top, there is a navigation bar with the ReSiIlex logo and menu items: 'About', 'Activities', 'Results', 'Updates', and 'Resilix Network'. The main heading is 'Policy platform' with the subtitle 'Your input for a policy improvement'. Below this, there are three informational paragraphs: a red flag icon indicating the questionnaire's purpose for gathering input on Critical Raw Materials; an orange triangle icon stating that input will help address challenges in the European PV supply chain; and a blue square icon stating that input will play a central role in defining new policy recommendations. The form fields include: 'Name' (text input), 'Organisation' (text input), 'E-mail' (text input), and 'Stakeholder Type (Please select one or more):' (a dropdown menu with options: Silicon Manufacturer, Electronics Manufacturer, PV Manufacturer, Battery Manufacturer, and a 'Manage' button). Below the dropdown is an 'Other (please specify):' text input. The questionnaire then asks: 'Have you experienced CRMs (Critical Raw Materials) supply issues in the last 4 years?' with radio buttons for 'Yes', 'No', and 'Not relevant'. It then asks 'How are you sourcing CRMs?' with a text input. Next, it asks 'Have you adopted/are you going to adopt/ measures that could mitigate geopolitical risks affecting the your supply of CRMs or PV/Battery components?' with radio buttons for 'Yes' and 'No'. This is followed by 'If Yes, can you briefly describe them?' with a text input. Finally, it asks 'Name the regulatory barriers in Europe (both national and EU level) that you think are limiting the adoption of Circular and more sustainable Value chains with regards to PV/Battery production' with a text input.

During the M36 Consortium Meeting, the concept for the update of the Platform was presented to the partners for feedback and the Platform was launched on 19th May 2025 (M36). The following section describes the platform in details.

Figure 3 Slide presenting the concept of the updated Policy Platform



## Launch of the Platform (first version)

### Description of the Platform

The RESiLEX Policy Platform can be found at the following link: [www.resilex-project.eu/policy-platform/](http://www.resilex-project.eu/policy-platform/)

The version launched at M36 is the first version of the Platform, it will be updated with the preliminary results from T7.3 especially. The Policy Platform is organised in three sections: 1/ Policy updates, 2/ Knowledge hub and 3/ Stakeholder engagement and feedback.

The Policy Updates section is dedicated to providing the latest information on policy developments relevant to the silicon value chain and CRMs. It aims to keep stakeholders informed about legislative changes, regulatory updates, and policy initiatives at both the European and national levels. By offering timely updates, this section ensures that users are aware of the evolving policy landscape that may impact the PV and battery industries.

The Knowledge Hub section serves as a central repository for information, research papers and best practices related to the sustainable exploitation and sourcing of CRMs.

It is designed to facilitate knowledge sharing among stakeholders by providing access to a wide range of resources, including technical reports, case studies, and academic publications. This section supports informed decision-making and fosters collaboration by making valuable information readily available to users.

The Stakeholder engagement section focuses on collecting input from various stakeholders involved in the silicon value chain. It provides tools and mechanisms for users to share their experiences, challenges, and perspectives related to CRM sourcing and sustainability. The feedback gathered here is instrumental in shaping policy recommendations and ensuring that the voices of industry actors, policymakers, researchers, and other relevant parties are considered in the decision-making process.

Figure 4 Screenshots of the Policy Updates section of the Platform

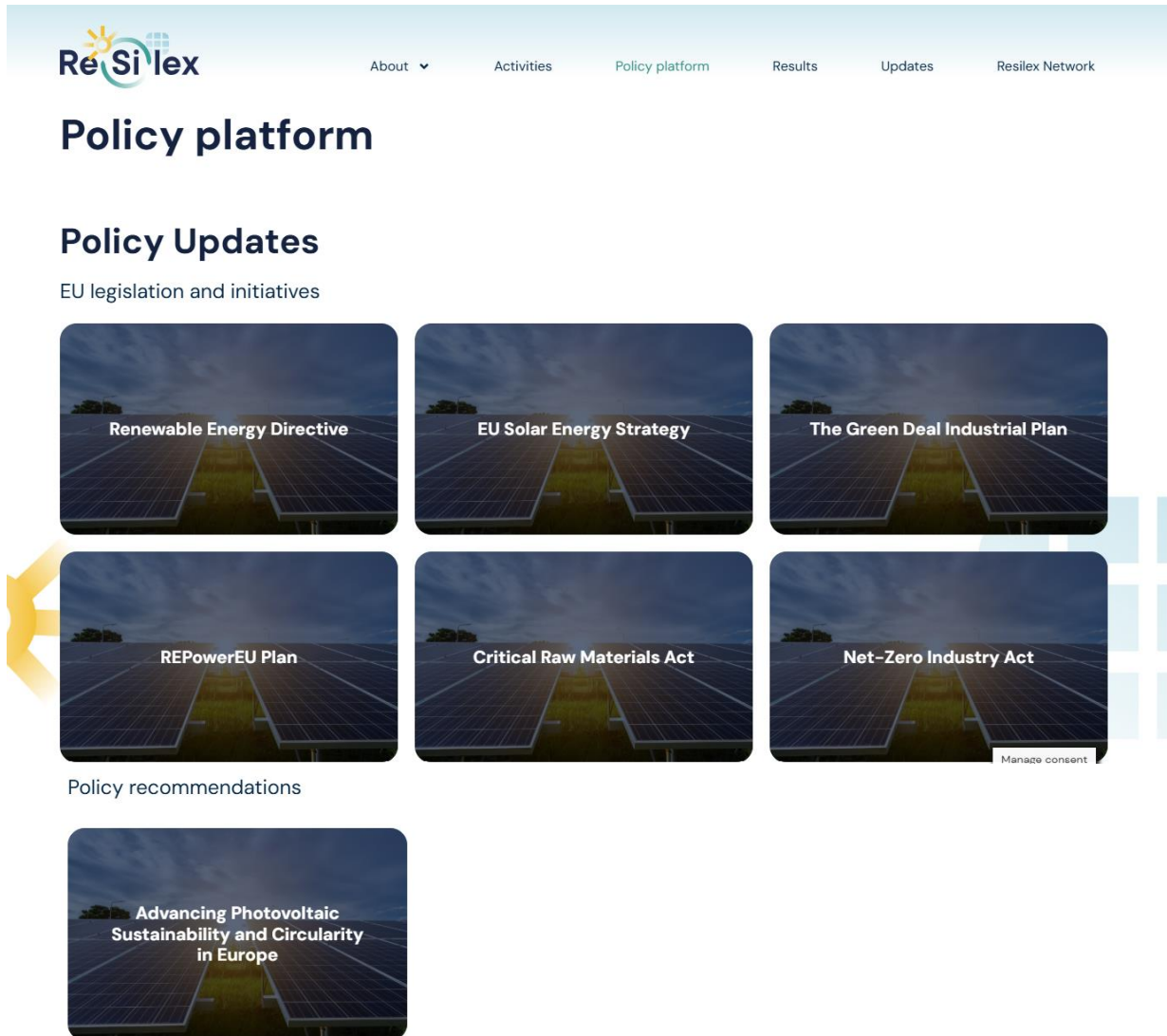






Figure 5 Screenshot of the Knowledge Hub section of the Platform

## Knowledge hub



### Factsheets

 <p><b>RESILEX Factsheet #1</b> Innovative solutions for the recovery of CRM from wastes</p>	 <p><b>RESILEX Factsheet #2</b> Production of High Purity Silicon through recycling of secondary resources</p>
 <p><b>RESILEX Factsheet #3</b> EoL PV panels and recycling</p>	 <p><b>SCRREEN project factsheets on CRMs</b></p>

### Reports

 <p><b>ReSiIex</b> Sourcing of Silicon-based end-of-life PV panels in Europe</p>	 <p><b>European Commission, DG GROW</b> Study on the critical raw materials for the EU 2023</p>
 <p><b>JRC</b> Supply chain analysis and material demand forecast in strategic technologies and sectors in the EU</p>	 <p><b>JRC</b> Addressing the regional dimension of open strategic autonomy and European green industrial policy</p>

### Webinars

 <p><b>Critical Raw Materials, what is at stake?</b></p>	 <p><b>A new generation of solar cells and modules, sustainable and eco-designed</b></p>
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### Projects



### Other resources

<p><b>EU Solar Manufacturing Map</b></p>	<p><b>RMIS – Raw Materials Information System</b></p>	<p><b>RMIS – Silicon metal CRM profile</b></p>	<p><b>Global E-Waste Statistics Monitor</b></p>
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Figure 6 Screenshot of the Stakeholder feedback section of the Platform

## Leave your Feedback

Your input for a policy improvement

📌 This questionnaire aims to gather your input on key aspects relevant to the sustainable exploitation and sourcing of Critical Raw Materials, for the PV and battery industry.

🔔 Your input will allow the ReSiLex project to gather valuable feedback from a wide range of stakeholders, addressing the identified challenges within the European PV supply chain for silicon-based modules and Li-On batteries.

▶ Your input will play a central role in defining new policy recommendations destined to European Policy makers.

Name

Organisation

E-mail

Stakeholder Type (Please select one or more):

## Assessment of the Platform

The RESiLEX Policy Platform serves its core purpose effectively by engaging stakeholders to inform policy on the sustainable and resilient sourcing of CRMs in Europe. From the Grant Agreement, seven key success factors in designing the platform will be followed, namely: purpose, clarity, usability, accessibility, user focus, navigation and appearance.

The Platform presents a clear purpose and rationale for participation and uses accessible language throughout the survey. The organisation and content of the page is aligned with the clarity success factor. The inclusion of links to various resources supports this objective by offering additional context and background. Usability is made easy by a straightforward page and survey format. In terms of accessibility, the platform is navigable and simple in structure enhancing navigation. The platform shows a good degree of user focus, offering a space for varied stakeholder voices. Visually, the platform maintains a clean and professional appearance, following the ReSiLex visual identity.

## Next steps

As this version of the Platform is the first one, Task 7.4 partners will work with all project partners and external stakeholders to enhance the Platform in the coming

months. A few areas for improvement are outlined below. They will be discussed by partners to analyse their feasibility and relevance.

Firstly, the purpose of the platform is clear, but it would benefit from a stronger link between the survey questions and the strategic objectives of the project. Adding a brief introduction to each section could reinforce this alignment. With user focus in mind, resources and guidance should be tailored more closely to specific stakeholder groups. This could include customised introductions or signposting based on sector or role. Navigation can be improved by introducing a floating menu or sidebar linking to key resources, allowing users to access background information without leaving the main questionnaire.

In addition, outcomes from WP7 tasks, especially, T7.3, will be included in the Platform after discussions with the relevant partners. Finally, in terms of appearance, consistent styling for links and buttons, and the use of icons or visual cues, would improve engagement and help users better distinguish between information types.

## Conclusion

The RESiLEX Policy Platform stands as a key outcome of Task 7.4, providing a practical and forward-looking tool to support EU policy development and stakeholder collaboration in the critical raw materials sector. Developed through an agile, participatory process, the platform responds directly to the needs and expectations identified by project partners and broader industry actors. The first version of the Platform was launched at M36 and will be updated throughout the duration of the project and especially with results from T7.3.

By facilitating access to policy documents, training materials, and engagement opportunities, the Platform ensures that the knowledge and outputs generated throughout the RESiLEX project remain accessible and actionable. Its launch marks not the end, but the beginning of an evolving resource designed to contribute to more resilient and sustainable value chains across Europe.



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