

Dissemination and Communication tools and activities

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D 7.2: Dissemination and Communication Tools and Activities

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Technical References

Project Acronym	METALLICO
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¹ PU = Public PP = Restricted to other programme participants (including the Commission Services) RE = Restricted to a group specified by the consortium (including the Commission Services) CO = Confidential, only for members of the consortium (including the Commission Services)

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V	Date	Beneficiary	Author
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2	18/12/2023	Project coordination review	Ana Lara Quijano, Andrea Prieto Pabón
3	29/12/2023	DEC	Jana Gäbler, Ramona G. Simon, Katja Wendler

Executive Summary

The METALLICO project aims to foster sustainable recovery strategies for (critical) battery metals and their reuse. Within the project, five innovative processes for recovering and producing lithium, cobalt, copper, manganese and nickel from primary and secondary raw material sources will be optimized and further developed. Further, a digital open-source platform will be developed.

To maximise the impact of METALLICO, different communication and dissemination tools and activities have been created. These are taking place in parallel since the beginning of the project in January 2023. The tools and activities are planned by DECHEMA – Gesellschaft für Chemische Technik und Biotechnologie (DEC) in collaboration with the other METALLICO Partners. To describe the tools defined for the visual identity of the project, website and social media channels and to give an overview on the work done in Task 7.2 "Communication toolbox" and 7.3 "Implement communication measures", i.e. the ongoing communication and dissemination activities, this Deliverable D 7.2 was created.

Specifically, D 7.2 presents:

- METALLICO's visual identity
- Web-based tools and activities (website, social media)
- Materials
- Events
- Collaborations

The METALLICO Consortium is composed of the following partners:

IDENER Research and Development AIE, Technische Universität Bergakademie Freiberg, Universitat Politecnica de Catalunya, Siec Badawcza Lukasiewicz - Instytut Metali Niezależnych, Teknologian Tutkimuskeskus VTT OY, Fraunhofer Gesellschaft Zur Forderung der Angewandten Forschung EV, G.E.O.S.Ingenieurgesellschaft MBH, Cementos La Cruz, S.L., Euroatomizado SA, Glencore Nikkelverk AS, Centro de Investigacion Cooperativa de Energias Alternativas, Cobre las Cruces SA, Cetaqua Centro Tecnologico del Agua Fundacion Privada, Corporacion Chilena de Investigacion del Agua, Tharsis Mining Sociedad Limitada, Politecnico di Torino, Asistencias Tecnicas Clave SL, Radical Innovations Group AB, Minera Los Frailes, S.L., Lithium Iberia, S.L., DECHEMA Gesellschaft Für Chemische Technik Und Biotechnologie, Geniki Metalleutiki Kai Metallourgiki Anonimi Etairia.

Disclaimer

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1. Communication Objectives

1.1. Overview

Maximising the impact of the project's findings and conclusions and raising awareness are the main objectives of the METALLICO communication and dissemination strategy. METALLICO's strategy is based on integrated publicity and dissemination activities, with the aim of increasing the visibility of the project's achievements and promoting their relevance in science, industry and society. A large number of different communication and dissemination activities have been planned, which are taking place in parallel since the very beginning of the project.

The main objectives of the METALLICO communication and dissemination strategy are:

- Inform about the project results.
- Disseminate information among relevant stakeholders.
- Raise awareness of project activities and outcomes.
- Build a dialogue with the targeted groups and establish a positive relationship.
 - Successful communication and dissemination not only gets the message out, but also encourages feedback and makes people want to interact.
- Increase researchers' involvement and visibility (show the people behind the results).

The following principles are followed to implement a successful communication strategy:

- **Reliable, relevant and useful:** Content should be presented focused, consistent and clear
- **Understandable:** Use of appropriate language to include stakeholders with different background and objectives
- **Accessibility:** Everyone should be able to use and interact with the communications measures
- **Ease of contact:** Contact details or other interactive elements (such as the links to social media channels) are easily findable.

The work in WP 7 is done in close cooperation with WP 6 that focuses on social participation, stakeholders' engagement and networking and all other partners of the METALLICO project.

According to the Grant Agreement, all METALLICO partners are expected to actively participate in METALLICO's communication and dissemination activities to reach the set goals.

1.2. Key Objectives of METALLICO

METALLICO aims to foster sustainable recovery strategies for (critical) battery metals and their reuse. Within the project, five innovative processes for recovering and producing lithium, cobalt, copper, manganese and nickel from primary and secondary raw material sources will be optimized and further developed. The project is also developing a digital (open source) platform in which, on the one hand, primary and secondary battery metal sources are identified and characterized. On the other hand, digital twins of innovative plants for the recovery and production of metals will make it possible to simulate the efficiency as well as the economic, environmental, and social impacts in the recovery of the respective metal.

The results produced in METALLICO will allow industrial companies to invest in new mining and metal recovery facilities. The new processes will enable industry to develop significant quantities of new, currently unused or under-utilized resources in the EU. This will help reduce dependence on volatile raw material markets and ensure the availability of metals in the battery sector and other industrial sectors.

The derived key messages from METALLICO branding are summarized as following:

METALLICO will:



Recover valuable materials from **primary and secondary resources**



Demonstrate **sustainable** production and recovery of (critical) battery metals



Assess end-use of the recovered (critical) battery metals



Identify and characterize (critical) battery metals with **innovative technologies**



Enable **social participation**, stakeholder engagement and networking

As described in the Grant Agreement Work Package (WP) 7 contributes to the following sub objectives of “Objective #3: To facilitate the project market access by exploiting the project results, raising the participation of all the stakeholders along the project lifetime and raising the public awareness” of the METALLICO project:

Sub Objective 3.1. To develop an efficient communication and dissemination strategy (WP7)

KPIs:

- KPI. 3.1 – At least 12 publications in full open access (Task 7.4, M48),
- KPI. 3.2 – organisation of 2 annual meetings (Task 7.3, M48),
- KPI. 3.3 – to produce at least 2 project videos (T7.3, M48),
- KPI. 3.4 – to publish 4 newsletters (T7.3, M48).
- KPI. 3.5 – Attendance to 18 conferences (T7.4, M48) Relation with the Work Programme Topic: “participating in joint meetings and communication events”

Sub Objective 3.2. To promote knowledge exchange, cooperating with other projects under the same call (WP6)

KPIs:

- KPI.3.5 - Participation in at least 3 clustering events organized by other projects (T6.6, M48),
- KPI.3.6 - organization of 1 clustering event (T6.6, M48). Relation with the Work Programme Topic: “Actions should envisage clustering activities with other relevant selected projects for cross projects co-operation” and “Proposals should foresee a dedicated work package and/or task and earmark the appropriate resources accordingly.”

2. Communication and Dissemination Tools and Activities

METALLICO will use a variety of communication tools and activities to achieve maximum impact. One focus will be on online communication channels. These include the project website and social media channels. These will be used to continuously raise awareness of the project. In addition, a network will be built, especially in social media, to reach as many target groups as possible. Another focus will be on visual materials such as flyers and posters. These will raise awareness of the project during events and conferences.

Communication tool	Description	KPI by M 48
Visual identity	Logo, design chart, templates for presentations, deliverables, etc.	Used in all materials
Project website	Public website containing information on the project, partners, research activities, calendar of events, main achievements, etc.	Updated monthly, 600 visits/yr.
Social media: LinkedIn, Twitter	Presence in social media targeting professional and public networks. At least 40 posts/yr.	Followers: >500 in LinkedIn, >300 in Twitter
Partners' websites and social media	Publication of news items from the project in each partner's website	At least 2 items/yr per partner
Leaflet, brochure	Distribution in fairs, conferences, business/networking activities	1000 copies
Poster, roll-up	1 at M6, aiming at project's awareness; 1 at M24 and M44, for transferability and exploitation of results	Displayed in 5 events
Articles, testimonials	Hosted in the project website or partner's websites.	200 views
Digital newsletter	Covering ongoing activities and results. Distributed through e-mail and relevant online platforms.	2 releases/yr., 250 subscribers
Project videos	At least one year 1 to promote the project and during year 4 focused on results. Uploaded to website and YouTube	At least 2 videos
Press releases	Describing the main project objectives and outcomes, and communicated to key media actors	First by M6, at least 3 by M46

2.1. Visual Identity

At the beginning of the project, a visual identity was created. The aim of the visual identity is to make the project recognisable in different media channels. In particular, the project's own logo and colours ensure that press releases, presentations, flyers and brochures have a consistent look and feel. The visual identity is also used across all social media channels and on the website. An easily recognisable brand ensures that the project becomes quickly known and helps to successfully exploit the results. Two of the most important components of the visual identity are the logo and the key visuals. In addition the METALLICO partners were provided with templates for presentations and deliverables (see Annex I: METALLICO Visual identity).

Communication tool	Description	KPI by M 48
Visual identity	Logo, design chart, templates for presentations, deliverables, etc.	Used in all materials

➔ KPI reached by month 12

2.1.1. Logo

The logo contains the project's name in capital letters and a total of five squares in different colours, which precede the logo. The largest square forms a line with the M of the project name. It also contains a "+" and a "-".

The colours of the logo represent on the one hand the metals that are obtained and recovered in the project: Thus, grey stands for lithium and nickel, blue for cobalt and orange for copper. On the other hand, the five squares and colours represent the five processes that are being developed and improved in METALLICO. The four squares of the same size represent the four case studies. The large square with "+" and "-" symbolises a battery.

The logo is available in different versions: colourful, black and white, black and negative white. An icon without letters was also designed.

2.1.2. Key Visual

Key visuals are important for recognition value, as they are easy to memorise and remember. METALLICO has two key visuals: a shot of the raw material cobalt in black and white tones and a colourful stylisation of the layers of a battery in the METALLICO colours. They can be used either together or on their own, for example as an eye-catcher or as a background (see Annex II: METALLICO Key Visual).

2.2. Website

On the METALLICO website (www.metallico-project.eu), which is constantly updated with updates from the project progress, users can inform themselves about METALLICO and its added value.

For a better overview, the website is divided into different sections. Under "Home", users can find an overview of the project and its objectives. Current news and events are also displayed. The "Project" section describes the objectives in more detail. The users will also find a graphic explaining the work packages. A detailed description of the five processes, four case studies and the work packages is also planned. All project partners are presented under "Partners", including a brief description of their role in the project. Under "News" and "Events", users can find the latest news as well as upcoming and past events. Press releases from the project and the partners as well as materials such as the METALLICO poster, the METALLICO roll-up and the METALLICO flyer can be displayed in the "Media" section. In the "Blog" section, visitors to the website can read interesting reports about METALLICO, for example from the "Meet the Partner" section. Here, the partners are introduced in interviews and asked about their opinions on the project. The "Subscribe" tab leads to the registration form for the METALLICO newsletter.

Buttons on the website take users to the project's LinkedIn and X (Twitter) channels. A contact form has been set up to make it easy to get in touch with the project if there are any questions (see Annex III: METALLICO Website & Social Media).

Communication tool	Description	KPI by M 48
Project website	Public website containing information on the project, partners, research activities, calendar of events, main achievements, etc.	Updated monthly, 600 visits/yr.

→ KPI partly reached by month 12

2.3. Social Media

METALLICO has social media channels on LinkedIn and X (Twitter). They are used to reach a wide audience and to communicate and engage with the diverse community. On both accounts, project updates, results and important events are shared and disseminated.

The "Meet the Partners" series has already started. The METALLICO partners are introduced one after the other. They are all asked the same questions in interviews. These are then uploaded to the METALLICO website. To share them with the community, the interviews are teased on LinkedIn and X (Twitter). An appealing template showing the respective partners and a quote from the interview completes the post and serves as an eye-catcher.

Photos of events in which one or more METALLICO partners have taken part or presented METALLICO are also posted. In addition, campaign days such as World Overshoot Day are used to place the goals of METALLICO in a wider context and to emphasize the importance of the project for the general public. In addition, there are posts about new laws or guidelines that affect METALLICO (see Annex III: METALLICO Website & Social Media).

As of 29 November 2023, METALLICO has 79 contacts and 151 followers on LinkedIn. On X (Twitter), there are 61 followers.

Communication tool	Description	KPI by M 48
Social media: LinkedIn, Twitter	Presence in social media targeting professional and public networks. At least 40 posts/yr.	Followers: >500 in LinkedIn, >300 in Twitter

→ KPI partly reached by month 12

2.4. Materials

METALLICO is designing various materials with the aim of raising public awareness of the project and its results. So far, a press release, flyer, roll-up, poster and infographic have been created.

2.4.1. Press Release

The press release on the launch of the project was published on 13 April 2023. It introduces METALLICO, describes the objectives and plans and introduces the partners. The press release can be found on the METALLICO website ([METALLICO press release link](#)). It was also shared via the METALLICO social media channels.

Communication tool	Description	KPI by M 48
Press releases	Describing the main project objectives and outcomes, and communicated to key media actors	First by M6, at least 3 by M46

→ KPI “first press release by M6” reached by month 12

2.4.2. Flyer

The flyer can be distributed to interested participants at events to make METALLICO better known and to manifest it into people's minds. It has the format of a postcard and contains the most important information about the project. On the front, there is a short overview text about METALLICO and the key messages. The back contains information on the five processes and four case studies as well as the overall objective of METALLICO. The logos of the partners are also shown. Information about the coordinator, the duration of the project and the budget can also be found. The key visuals and other images, which can also be found on the website, were used to make the flyer recognisable. The flyer also features the colours of the project. A QR code takes interested parties to the project's website. The email address and the names of METALLICO's social media accounts were printed on the flyer for contact purposes (see Annex IV: METALLICO Flyer).

The objective is to share 1000 copies of this flyer along the project execution.

Communication tool	Description	KPI by M 48
Leaflet, brochure	Distribution in fairs, conferences, business/networking activities	1000 copies

→ KPI party reached by month 12

2.4.3. Roll-up

A roll-up was created to draw attention to the project at events. The roll-up contains general information about the project. It describes the objectives, the five processes and the four case studies. The partner logos were also depicted. There is also information about the coordinator, the duration of the project and the budget. The roll-up has the same design as the flyer, which makes it more recognizable. A QR code links to the website. The project's email address and the names of the social media accounts make it easier to contact the project managers (see Annex V: METALLICO Roll-up & Poster).

Communication tool	Description	KPI by M 48
Poster, roll-up	1 at M6, aiming at project's awareness; 1 at M24 and M44, for transferability and exploitation of results	Displayed in 5 events

→ KPI “roll-up by M6” reached by month 12

2.4.4. Poster

A poster was designed so that the partners can present METALLICO at the events they attend. The METALLICO colours were also used here for better recognition. The poster contents METALLICO's objectives, info about the processes and case studies, and shows the partner logos as well as contact information (see Annex V: METALLICO Roll-up & Poster).

Communication tool	Description	KPI by M 48
Poster, roll-up	1 at M6, aiming at project's awareness; 1 at M24 and M44, for transferability and exploitation of results	Displayed in 5 events

→ KPI partly reached by month 12

2.4.5. Infographic

An Infographic was created to better explain the five processes and their end-uses. For the graphic, the METALLICO colours have been used. The infographic will be used on the poster and on the website (see Annex VI: METALLICO Infographic).

2.4.6. Planned Materials

During the lifetime of the projects, many other materials are planned. Amongst others, at least 2 videos, a brochure, fact sheets, a booklet for investors and two more press releases are going to be created. Further, digital newsletters are going to be published (Objective: 2 releases/yr., 250 subscribers). For the first newsletter that will be published at the beginning of 2024, a questionnaire was already sent to the project partners for input.

Communication tool	Description	KPI by M 48
Leaflet, brochure	Distribution in fairs, conferences, business/networking activities	1000 copies
Articles, testimonials	Hosted in the project website or partner's websites.	200 views
Digital newsletter	Covering ongoing activities and results. Distributed through e-mail and relevant online platforms.	2 releases/yr., 250 subscribers
Project videos	At least one year 1 to promote the project and during year 4 focused on results. Uploaded to website and YouTube	At least 2 videos
Press releases	Describing the main project objectives and outcomes, and communicated to key media actors	First by M6, at least 3 by M46

2.5. Events

The METALLICO Partners will join events such as conferences, workshops, or fairs to inform about the project and to disseminate their results. During the events, the partners will distribute information materials such as flyers and brochures.

As it is reflected in the Grant Agreement, the KPIs for Dissemination activities and events' attendance include:

- 1) Participation in 18 conferences to disseminate the project results.
- 2) Joint 4 dissemination events and clustering activities with other European projects to maximize the outreach.
- 3) At least 4 technical events (possibly held jointly with another EU project) to disseminate key outcomes to stakeholders.

During the first year of the implementation of the METALLICO project, the following events were joint by the partners (Table 1), see also Annex VII: Participation at events.

Table 1 Events

Event	Date	Partner
Kick-off Meeting, Sevilla (Spain)	10 – 11 January 2023	ALL
Raw Materials Summit, Brussels (Belgium)	15 – 17 May 2023	DEC
International Mine Water Association (IMWA) Conference, Newport (Wales)	17 – 21 June 2023	GEOS
2nd international conference on raw materials and circular economy, Athens (Greece)	28 August – 2 September 2023	IDE
4th Dresden Battery Days, Dresden (Germany)	25 – 27 September 2023	IKTS, IDE, POLITO, UPC
EIT RawMaterials Expert Forum, Darmstadt (Germany)	11 October 2023	DEC
Annual Meeting of Cluster Hub for production of raw materials for batteries from European resources” in Brussels, Belgium	16 November 2023	IKTS, GEOS
Critical Raw Materials from unconventional sources: Ensuring supply through Circular Economy (Workshop of EU project “Sea4Value”), Barcelona, Spain	17 November 2023	UPC

Partners have already selected a list of scientific conferences and events to contribute to the project, as it is reflected in the Grant Agreement (please see below).

Table 2 Assistance to conferences, industrial fairs and exhibitions

Audience	Pre-selected conference, industrial fair, exhibition	Partner
Circular economy	WasteEng – International Conference on Engineering for Waste and Biomass Valorisation	TUBAF
Process Engineering development	ICCCE - International Conference on Chemistry and Chemical Engineering	TUBAF
Sustainability, Recycling Technology	Sustainable Minerals	TUBAF
Industrial Metallurgy	Conference of metallurgist	CLC
Mining & Metallurgy	Mining & Minerals Hall (MMH Seville)	CLC
Industrial Metallurgy	The European Metallurgical conference (EMC)	CLC
Construction	International Conference on Cement and Concrete	CRUZ
Biohydrometallurgy	International Biohydrometallurgy Symposium	VTT
Sustainability in mining	Sustainable Minerals	VTT
Biohydrometallurgy	Biomining Symposium	VTT
Raw materials processing and recycling	SusMin - Sustainable Minerals	FRAUNHOFER
Recycling & Resources Recovery	Conference on Sustainable Solid Waste Management	FRAUNHOFER
Mining and Hydrometallurgical industries	Mineral processing and Mining	CETAQUA, UPC
Mining and Hydrometallurgical industries	European Materials Research Society	CETAQUA, UPC

Battery Industry	AABC Europe – Advanced Automotive Battery Conference	CIC ENERGIGUNE
Process Industry, Scientists	ACHEMA - World's leading trade show for the process industries	DECHEMA
Recycling industry	IFAT - World's Leading Trade Fair for Water, Sewage, Waste and Raw Materials Management	FRAUNHOFER, DECHEMA

The list of events presented above will be constantly under review, being the events announced in good time on social media and the “Events” section on the METALLICO website for their promotion.

2.6. Publications

The METALLICO partners plan to submit the following scientific peer-reviewed articles within the project to fulfil KPI. 3.1 “At least 12 publications in full open access”:

Audience	Tentative title/scope of the paper	Pre-selected journal	Impact Factor	Partner
Process modelling and optimisation	Virtual plant tool for battery metals recovery	Appl. Mathematical modelling	2.16	IDE
Mineral processing and extractive metallurgy	Lithium recovery from primary sources by a holistic approach: the COOL-process	Minerals Engineering	4.765	TUBAF
Material production from residues	Geopolymer material from solid residue after COOL-process: closing the loop	Construction and Building Materials	6.141	TUBAF
Process Metallurgy	Cobalt recovery from hydrometallurgical intermediate streams	Hydrometallurgy	4.1	CLC
Cement and concrete products	New hybrid Portland-alkaline cement from the valorisation of metals	Cement and Concrete Research	10.9	CRUZ
Hydrometallurgy development	Leaching of low-grade multi-metal tailings	Hydrometallurgy	4.12	VTT
Hydrometallurgy development	Metals recovery from PLS from tailings	Minerals	2.64	VTT
Hydrometallurgy development	Pre-treatment and parameters for efficient leaching	Minerals Engineering	4.77	VTT
Raw materials processing and recycling	Scale-up of the COOL-Process	Minerals Engineering	4.77	FRAUNHOFER
Building materials from silicate waste	Sustainable building materials from the residual materials of the COOL process	Construction and Building Materials	6.14	FRAUNHOFER

Mining and Hydrometallurgical industries	Comparison of selective extraction methods for Co recovery as a secondary raw material in hydrometallurgical processes: a techno-economic assessment.	Chemical Engineering Journal	13.27	CETAQUA, UPC
Upscaling Active Materials	Scaling up of cathode materials synthesis from recycled precursors	Journal of the Electrochemical Society	4.316	CIC ENERGIGUNE

2.7. Additional Opportunities for Networking

In addition to the various activities described above, collaboration with networks and other projects is also an important communication tool.

2.7.1. Cluster Hub “Materials for batteries”

METALLICO is part of the “Cluster Hub for production of raw materials for batteries from European resources” (<https://www.materialsforbatterieshub.eu/>). The Cluster Hub is a knowledge exchange ecosystem where partners involved in different European projects can identify and discuss common topics related to their projects and the production of materials for batteries, as well as synergies to foster innovation in this field. The aim of this platform is to promote innovation in the recycling of batteries and the production of raw materials for battery applications from primary and secondary resources available in Europe. The European projects that are part of the Cluster Hub are introduced on the METALLICO website (<https://metallico-project.eu/About+us/Cluster+Hub.html>).

During the Raw Materials Week 2023 in November 2023, the twelve Cluster Hub Projects met to for their annual meeting in Brussels, Belgium. They talked about the latest developments in the projects and discussed new challenges and opportunities they discovered through the projects’ lifetime.

The participation in the Cluster Hub is managed by Work Package 6 (social participation, stakeholder engagement and networking).

2.7.2. Sister Project Sea4Value

METALLICO and the Horizon 2020 project Sea4Value (<https://sea4value.eu/>) have decided to cooperate, as both projects deal with similar topics (extracting metals from unconventional sources). The collaboration is to take place in the areas of communication, dissemination and exploitation: Social Networks and Press, Webinars, Events and project cluster. Amongst others, the aim is to increase the visibility of both projects, exchange information on, e.g. stakeholders, and to maximise the impact of the projects’ results.

So far, METALLICO has participated at the Sea4Value workshop “Critical Raw Materials from unconventional sources: Ensuring supply through Circular Economy” that was held on 17 November 2023: Universitat Politecnica de Catalunya (UPC) presented METALLICO and its objectives at the workshop.

Besides Work Package 7, also Work Package 6 (social participation, stakeholder engagement and networking) is involved in the collaboration.

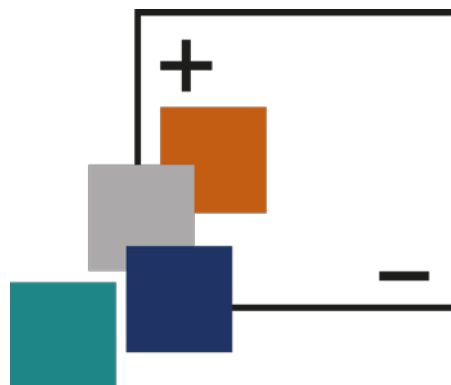
3. Conclusion

Deliverable 7.2 outlines the ongoing communication and dissemination tools and activities. Further tools and activities are being planned and will be implemented in the course of the project. The existing tools and activities are adapted and further developed as required according to the tasks and the KPIs defined in the Grant Agreement.

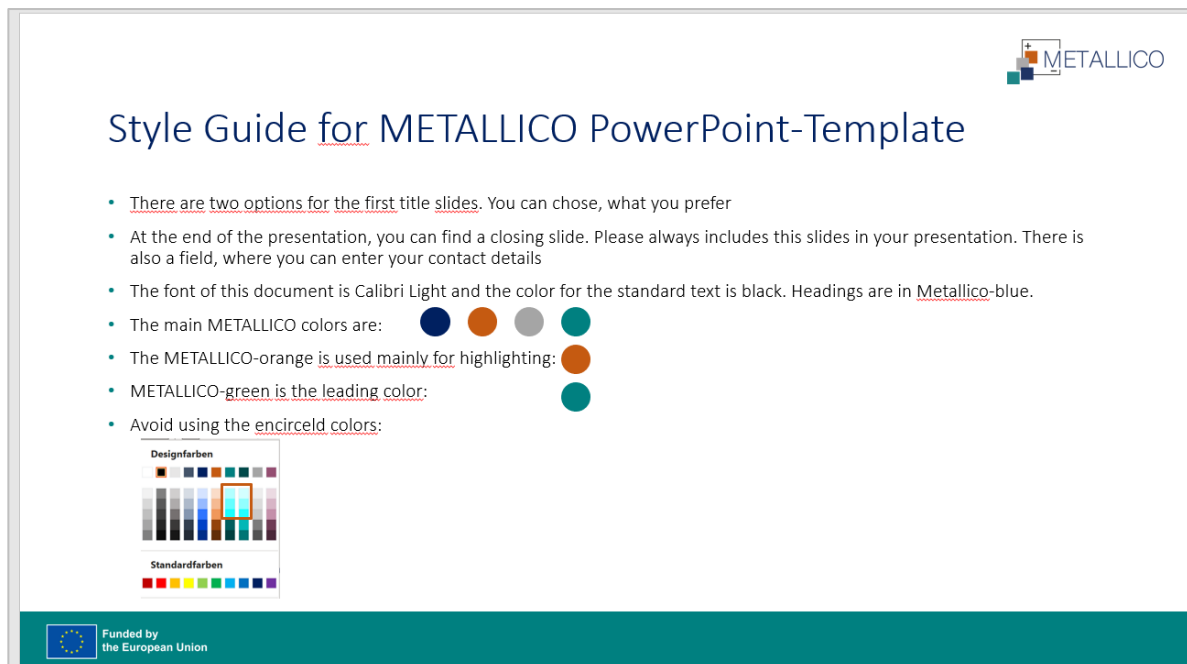
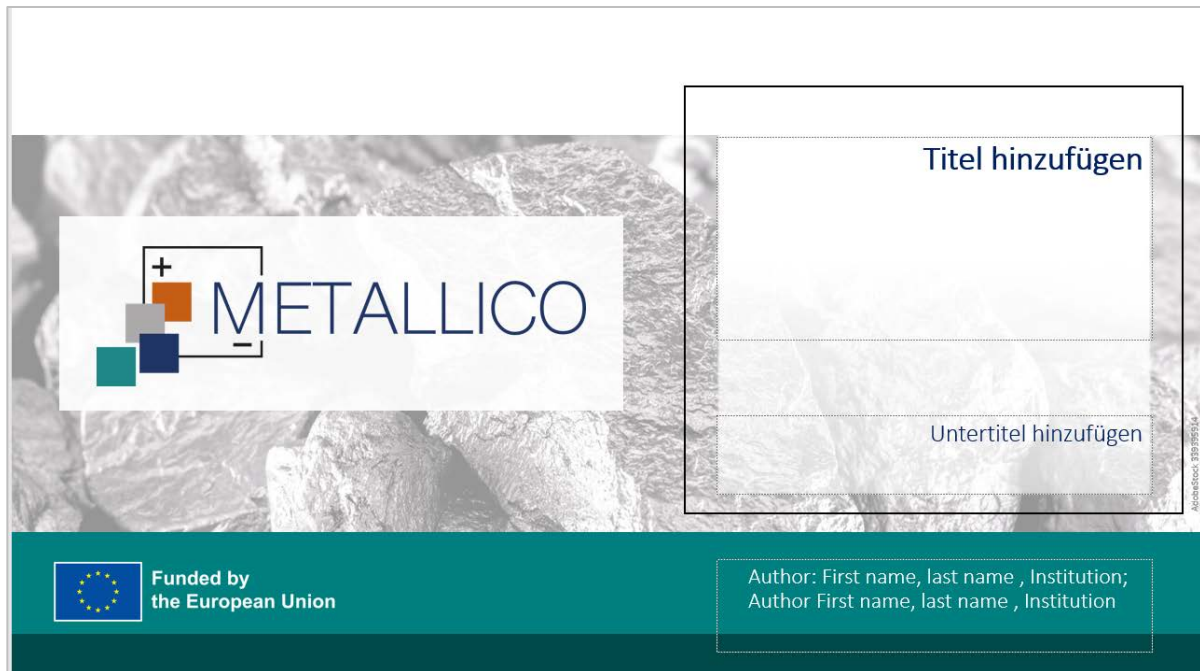
As next steps the first of the two videos will be developed and produced. A brochure, fact sheets and two more press releases are going to be created and distributed. Further, digital newsletters are going to be published (Objective: 2 releases/yr., 250 subscribers). The “booklet for investors” that will be produced at the end of the project will summarize and explain the main results and benefits of using the project’s approach.

The METALLICPO partners will continue to inform about the METALLICO project with presentations they give on conferences and fairs. In month 12 task 7.4 “Disseminate project results” started. As soon as sufficient results are available the partners will start to write and publish peer reviewed scientific papers.

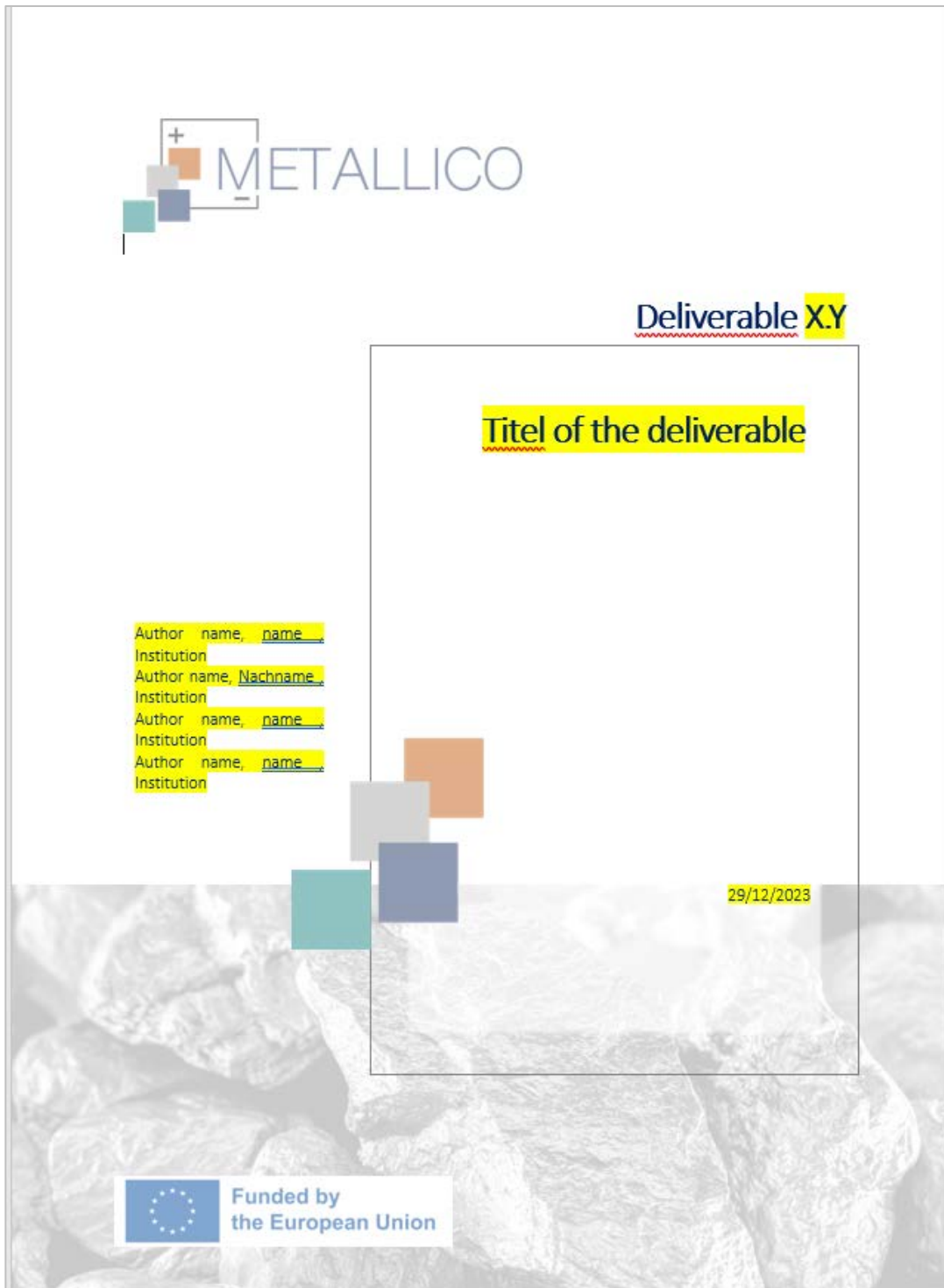
Annex I: METALLICO Visual Identity



METALLICO logos



Presentation template with style guide



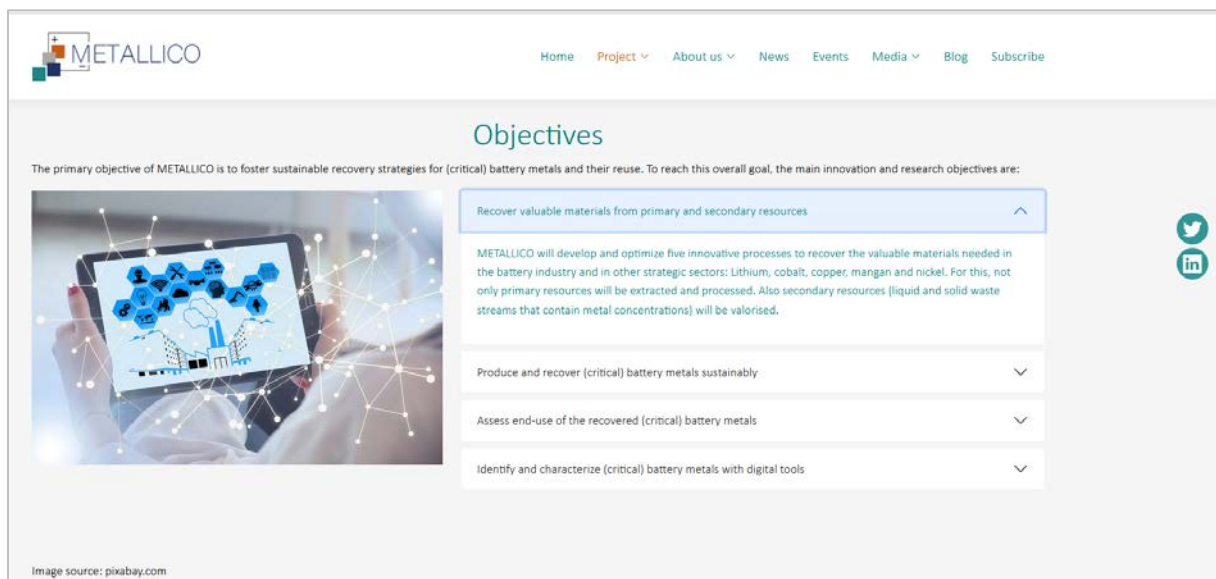
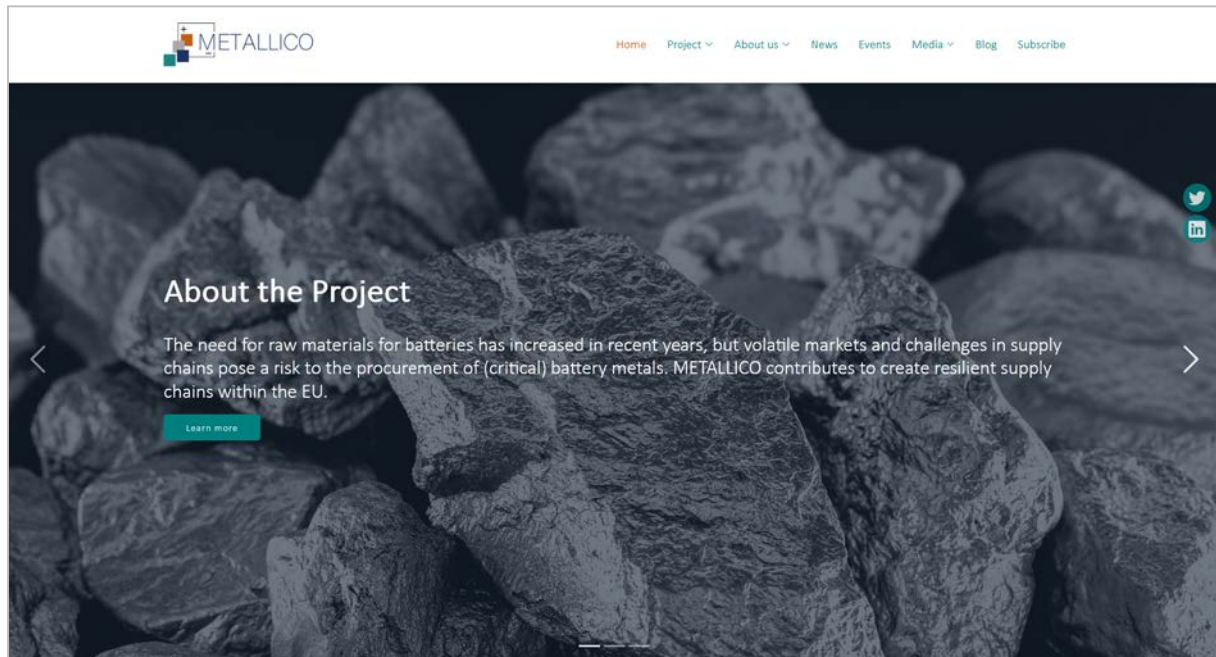
Template for deliverables

Annex II: METALLICO Key Visuals

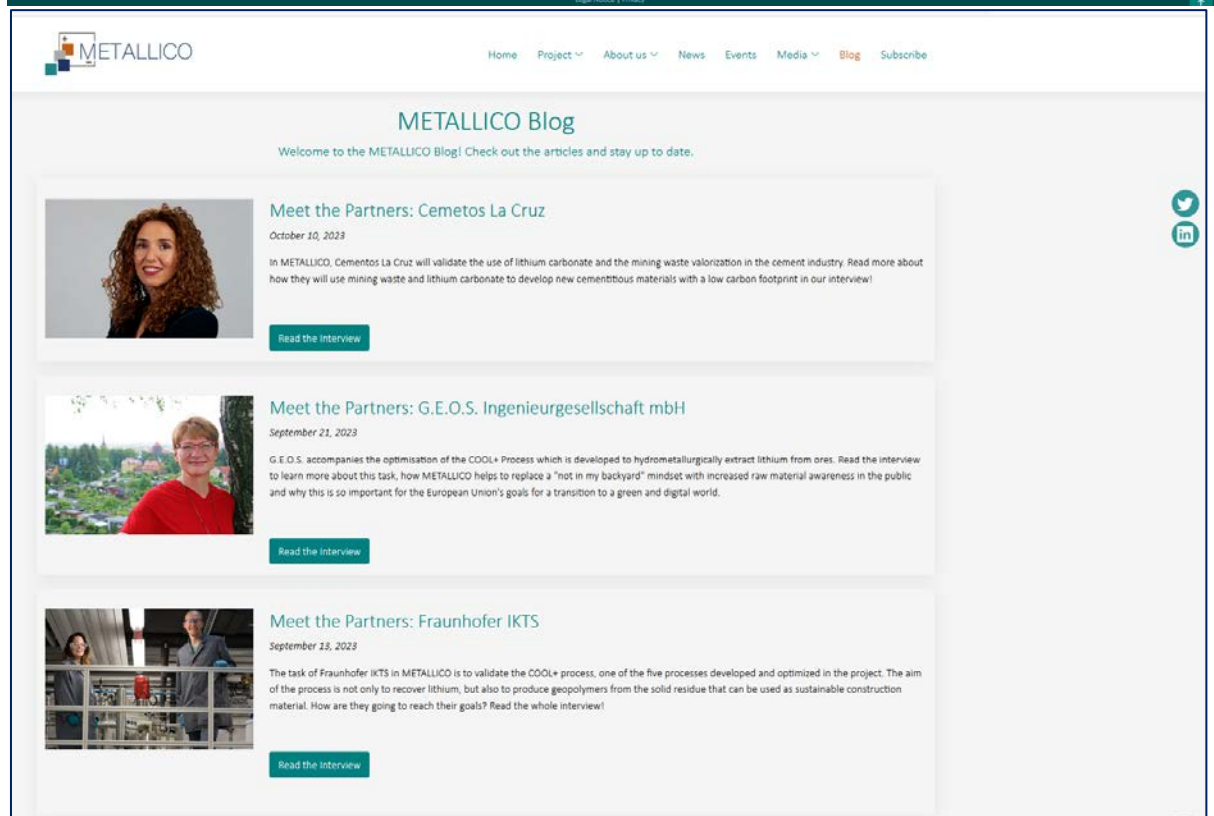
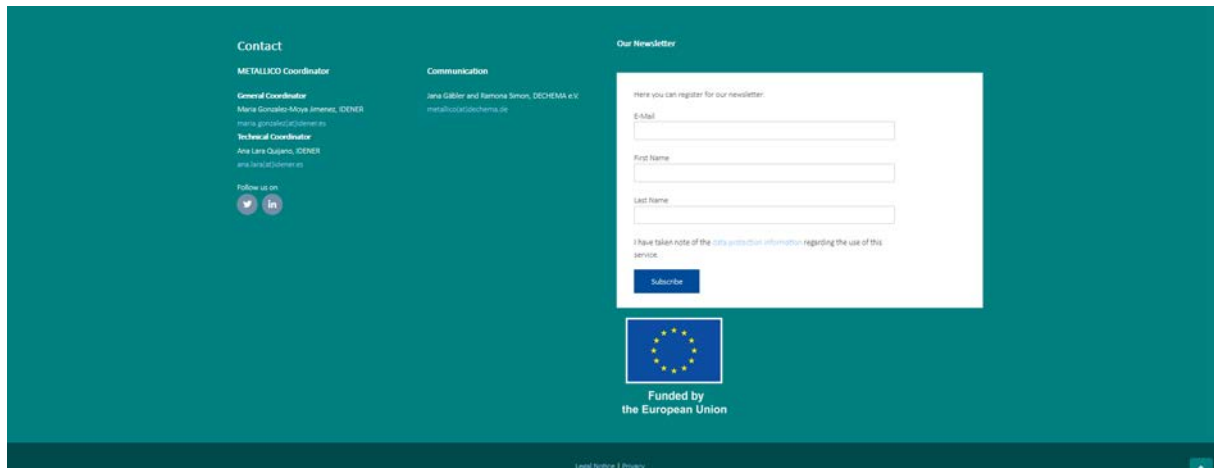


Key Visuals of METALLICO

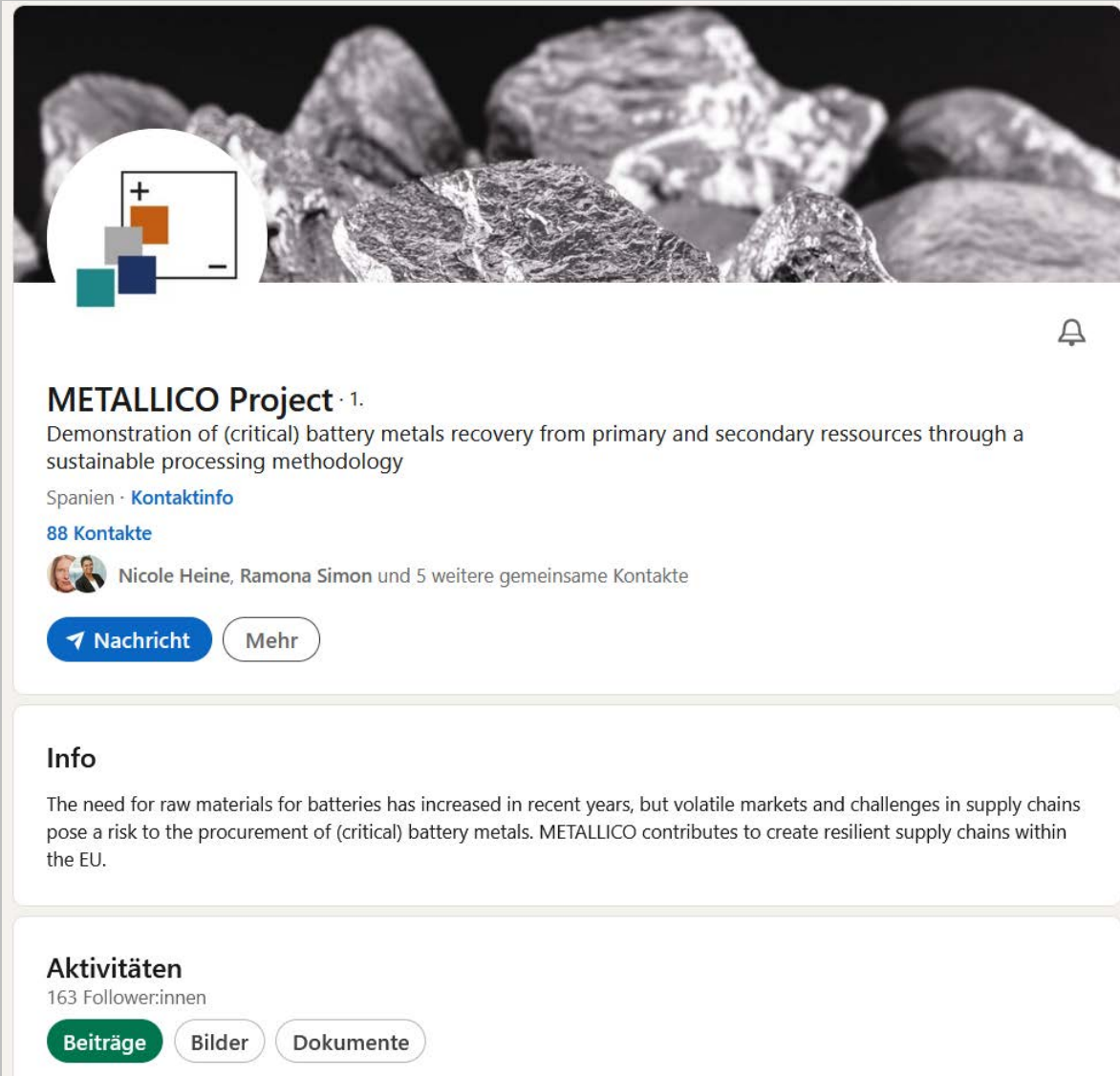
Annex III: METALLICO Website & Social Media



Screenshots from the METALLICO website



Further screenshots from the METALLICO website




METALLICO Project · 1.

Demonstration of (critical) battery metals recovery from primary and secondary resources through a sustainable processing methodology

Spanien · [Kontaktinfo](#)

88 Kontakte

 Nicole Heine, Ramona Simon und 5 weitere gemeinsame Kontakte

[Nachricht](#) [Mehr](#)

Info

The need for raw materials for batteries has increased in recent years, but volatile markets and challenges in supply chains pose a risk to the procurement of (critical) battery metals. METALLICO contributes to create resilient supply chains within the EU.

Aktivitäten

163 Follower:innen

[Beiträge](#) [Bilder](#) [Dokumente](#)

METALLICO LinkedIn Account



Screenshots from the social media campaign "Meet the Partners"

Annex IV: METALLICO Flyer

Demonstration of (critical) battery metals recovery from primary and secondary resources through a sustainable processing methodology.

To boost the green transition, the availability of critical raw materials needs to be ensured. However, the battery sector has been experiencing increasing demand for raw materials for years and is vulnerable for supply risks.

METALLICO will:

- Recover valuable materials from primary and secondary resources
- Demonstrate sustainable production and recovery of (critical) battery metals
- Assess end-use of the recovered (critical) battery metals
- Identify and characterize (critical) battery metals with innovative technologies
- Enable social participation, stakeholder engagement and networking

Funded by the European Union

✕ @METALLICO_EU

in @METALLICO Project

✉ metallico@dechema.de

<https://metallico-project.eu>

Objective

The primary objective of METALLICO is to develop and validate sustainable and socially responsible recovery strategies for (critical) battery metals and their reuse.

5 Processes

METALLICO will develop and optimize five innovative processes to recover the valuable materials needed in the battery industry and in other strategic sectors: Li, Co, Cu, Mn, Ni.

4 Case Studies

METALLICO will demonstrate in four different case studies that the (critical) battery metals can be sustainable produced and recovered by upscaling the five METALLICO processes.

Total Project Budget: 13.033.408,00 €
EU Contribution: 11.798.783,25 €

Coordination: IDENER R&D
Duration: 1 Jan. 2023 – 31 Dec. 2026

Image source: AdobeStock - 339395914, 406891094, 541128912, 566443983

METALLICO Flyer (front & back side)

Annex V: METALLICO Roll-up & Poster

Demonstration of (critical) battery metals recovery from primary and secondary resources through a sustainable processing methodology

Coordination: IDENER R&D
 Duration: 1 Jan. 2023 - 31 Dec. 2026
 Total Project Budget: 13.033.408,00 €
 EU Contribution: 11.798.783,25€

Objective

The primary objective of METALLICO is to foster innovative sustainable recovery strategies for (critical) battery metals and their reuse.

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Funded by the European Union

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 @METALLICO Project
 metallico@dechema.de
<https://metallico-project.eu/>

METALLICO Roll-up

Demonstration of (critical) battery metals recovery from primary and secondary resources through a sustainable processing methodology.

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Total Project Budget: 13.033.406,00 € - EU Contribution: 11.798.783,25 €

Funded by the European Union

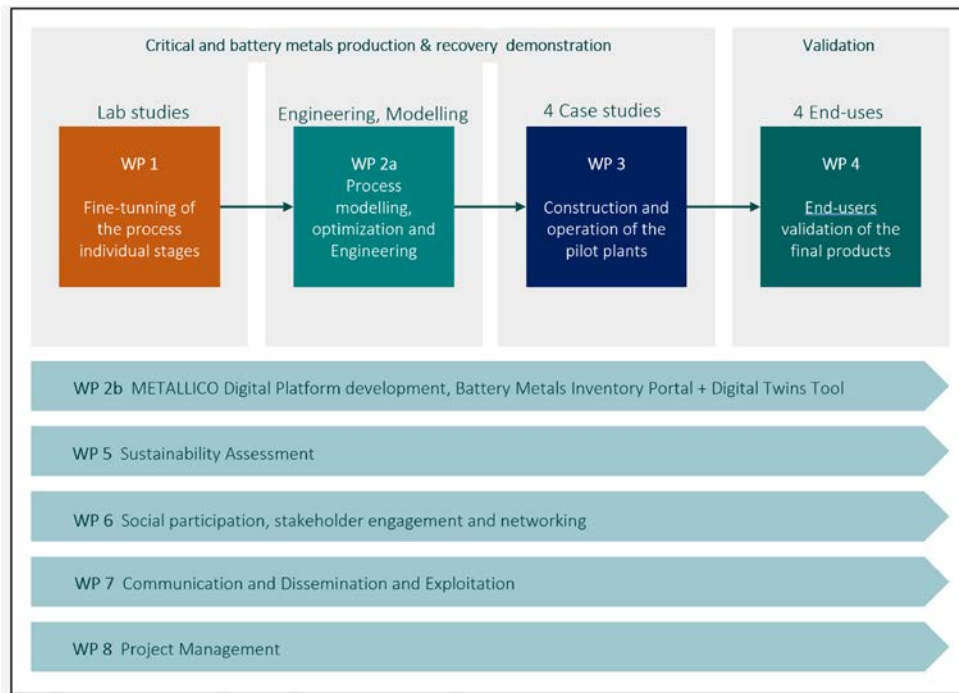
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Any dissemination of results must indicate that it reflects only the author's view and that the Agency and the European Commission are not responsible for any use that may be made of the information it contains.

METALLICO Poster

Annex VI: METALLICO Infographic



Annex VII: Participation in events

Examples for the participation of METALLICO partners at events



Participation at IMWA (July 2023)



Participation at EIT Raw Materials Conference (October 2023)



Participation at annual meeting of Cluster Hub (November 2023)



Participation at the workshop of the EU project "Sea4Value" (November 2023)



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