



Annex I: EIT Raw Materials – Call for BrineRIS Task Partner’s selection

1. Project information	
Project name:	21005 - BrineRIS - Brines of RIS countries as a source of CRM and energy supply
Lead Partner:	Politechnika Wroclawska (WUST)
RIS Task Partner Patron:	Politechnika Wroclawska (WUST) (for Poland, Czech Republic, Slovakia) University of Miskolc (for Hungary)

2. Project description

Limited access to critical raw materials (CRM) is the main obstacle to developing the high-tech and battery sectors. However, thanks to the striking development of efficient soluble elements recovery technologies, highly mineralised water (brine) is a potential unconventional source of metals. Usually occurring at great depths, under conditions of high pressure and hot temperatures, brines mineralised up to 300-350 g/L may contain economic concentrations of metallic elements, such as CRM from the EU 2021 list (Li, Mg, Sr), Na, Ba and others. Therefore, exploring non-obvious metals resources (such as geothermal brines) and innovative metals recovery technologies is necessary to ensure a sustainable and secure European supply of battery metals. It also supports European Raw Materials Alliance (ERMA) vision "to secure access to critical and strategic raw materials, advanced materials, and processing know-how for EU Industrial Ecosystems".

The technology needed to recover metallic elements from brines is under development in several KAVA projects, e.g., EuGeLi or Morecovery. However, the location of brines with reliable and stable sources of metals is still an open question. Our BrineRIS project will locate brines in Europe suitable for economically feasible metal recovery and test the emerging recovery technologies in the lab. Focusing on RIS countries of the Iberian Peninsula and Visegrad Group, whose thermal brines resources are proven, the BrineRIS project will deliver verified information on brines enriched in Li and other valuable elements. Special attention will be paid to existing mine water inflows and operating geothermal wells.

BrineRIS intends to achieve three key objectives:

(I) To increase awareness of geothermal brines metallogenic potential in RIS countries by mapping brines resources and estimating the abundance of CRM and other valuable elements with specific attention to lithium. This activity will cover six RIS countries - Poland, Hungary, Czech Republic, Slovakia, Spain and Portugal.

(II) To build the capacity of RIS countries in low-carbon metals mining technologies related



to geothermal brines by sharing experience in developing innovative recovery solutions and knowledge exchange with key players in geothermal recovery from non-RIS countries. Through the education and training of students and specialists from RIS countries, BrineRIS will increase the competitiveness and innovativeness of the RIS workforce. These activities will be directed to partners' countries and stakeholders also from other RIS regions (Baltic, Balkans, Ukraine), offering them free participation to widen the Project's impact.

(III) To attract investors to RIS countries by developing an interactive platform of potential geothermal brines projects and preparing at least one investment case for the ERMA. That way, we increase the Project's geographical coverage to worldwide stakeholders. This aim will be supported by close cooperation with the Business Advisory Board (BAB).

Nine partners from six countries representing five CLCs and the three sides of the Knowledge Triangle are involved in our consortium. A diverse consortium composed of RIS and non-RIS partners is focused on knowledge transfer from non-RIS partners to RIS countries and on building the geothermal lithium resources capacity in the ESEE region (Visegrad Group) and the Iberian Peninsula.

BrineRIS is led by Wrocław University of Science and Technology (WUST) (Poland) and partnered by The Spanish National Research Council (CSIC) (Spain), University of Miskolc (UM) (Hungary), Ghent University (UGent) (Belgium), Technical University Bergakademie Freiberg (TUBAF) (Germany), The European Lithium Institute (eLi) (Belgium/Germany), Geological Survey of Finland (GTK) (Finland), Redstone Exploration Services Sp. z o.o. (RED) (Poland), KGHM Polska Miedz S. A. (KGHM) (Poland).

According to this selection procedure, four new Task Partners from RIS countries will be chosen. Task Partners will cover Slovakia, Czechia, Hungary and Poland and support project partners with project implementation in their countries of origin.

The Project consists of 9 Work Packages. Task Partners are expected to be involved in all of the WPs listed below:

- WP01 Project Management
- WP02 Communication and dissemination
- WP03 Resource mapping
- WP04 Recovery Technologies Testing
- WP05 Geothermal Technologies Evaluation
- WP06 Interactive Platform Development
- WP07 Investment Case (IC) Development
- WP08 Capacity Building
- WP09 Business Advisory Board (BAB)

3. Expected role of RIS Task Partner

The selected RIS task partner is expected to implement project tasks within all the Work Packages WP01 – 09, in particular as listed below:

- Provide knowledge and expertise on local regulations and legislation, local policy, economic analysis.
- Provide archival data and geoinformation on brines (among others: geological and hydrogeological data on brines, mining properties inventory data etc., databases and



- datasets) from Poland or Czech Republic or Slovakia or Hungary
- Manage raw materials sampling, sample handling, and processing in the BrineRIS Project in Poland or Czech Republic or Slovakia or Hungary.
- Provide accredited measurement and analysis for locally taken raw materials samples for use in the BrineRIS Project.
- Provide access to specific local raw materials sites/test sites or materials/processes and enable them for usage and sampling in the BrineRIS Project.
- Actively participate in Network and Capacity Building Events and assist in the engagement of stakeholders from the country of origin
- Participate in Communication and Dissemination Activities of the Project
- Provide expertise and support in business evaluation of the investment cases (applies to Task Partner from Hungary)

4. Conditions for financial support

a. Maximum amount of financial support for each third party ('recipient')

- A. RIS Task Partner will receive their funding via the Task Partner Patron Politechnika Wroclawska (WUST) / University of Miskolc.
- B. Funding for RIS Task Partner will not exceed **23 000 EUR** in this particular action in **2022**, **26 500 EUR** in **2023** and **9 500 EUR** in **2024 (per Task Partner from Poland, Czech Republic and Slovakia)**
Funding for RIS Task Partner will not exceed **10 000 EUR** in this particular action in **2022**, **30 000 EUR** in **2023** and **10 000 EUR** in **2024 (per Task Partner from Hungary)**
- C. Annual funding for RIS Task Partner will not exceed 60,000 EUR across all KAVAs, EIT RM will take care of keeping this maximum amount via the use of internal project management tools.

a. Criteria for calculating the exact amount of the financial support

Financial support to selected RIS Task Partner will be categorised under Article 6 D1 of the GA, "financial support to third parties" ("grants") and reported based on actual costs. Financial support to RIS Task Partners will be based on **actual costs** incurred by the Task Partner while executing their activities/actions in the specific project. The following cost categories will apply:

Cost category	Description	Evidence*
Direct Personnel	Actual personnel costs	Time sheets
Travel and subsistence	Travel, accommodation costs and applicable per diem in accordance with usual accounting principles of the RIS Task Partner related to participation in Project related activities	Travel & Expense policy Receipts



Other direct costs	Other costs incurred in relation to Task Partner activities in the Project	Receipts
Indirect costs	25% of all direct costs mentioned above	N/A

* Further details can be found here: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/aga_en.pdf

At the reporting time, the Task Partner Patron will report one total sum of actual costs under the cost category "subgranting" together with the list of evidence documents. In addition, on request, the supporting evidence must be provided by the Task Partner, e.g., in case of an audit of the Task Partner Patron.

b. [The different types of activity that qualify for financial support, on the basis of a closed list](#)

- 1) Providing knowledge and expertise on local regulations and legislation, local policy, economic analysis.
- 2) Providing archival data and geoinformation on brines (among others: geological and hydrogeological data on brines, mining properties inventory data etc., databases and datasets) from Poland or Czech Republic or Slovakia or Hungary
- 3) Managing raw materials sampling, sample handling, and processing in the BrineRIS Project in Poland or Czech Republic or Slovakia or Hungary.
- 4) Providing accredited measurement and analysis for locally taken raw materials samples for use in the BrineRIS Project.
- 5) Providing access to specific local raw materials sites/test sites or materials/processes and enable them for usage and sampling in the BrineRIS Project.
- 6) Active participation in Network and Capacity Building Events and assist in the engagement of stakeholders from the country of origin
- 7) Participation in Communication and Dissemination Activities of the Project
- 8) Providing expertise and support in business evaluation of the investment cases (applies to Task Partner from Hungary)

c. [The persons or categories of persons that will be supported](#)

A RIS Task Partner must belong to the Knowledge Triangle and/or strengthen the Knowledge Triangle Integration approach of EIT RawMaterials. In particular, the Task Partner should be one of the following:

- 1) University with academics and/or research in the field of raw materials;
- 2) Research Institute / Organisation active in the field of raw materials;
- 3) Industry representative/company active in the field of raw materials;
- 4) Association / Chamber related to the raw materials sector;
- 5) Other stakeholders contributing to the raw materials sector

d. [Criteria and procedures for giving financial support](#)



Criteria

At the time of selecting a RIS Task Partner, the following criteria will be considered:

- A. Task Partner comes from Poland or Czech Republic or Slovakia or Hungary
- B. Task Partner is able to contribute to and maximize the impact of a project coordinated by Politechnika Wrocławska (WUST)
- C. The selected candidate shall provide the expertise in the raw materials sector as the **legal entity** with specific knowledge, access to data-set or equipment available in the RIS country of their origin. The expertise is in particular demonstrated by the following:
 - i. Being the raw materials data owner and provider at regional / country level (e.g. geological data, mining properties inventory data, secondary deposits inventory data, etc.) and enabling the use of that data for the project;
 - ii. Possessing sound knowledge of local regulations, local legislation and policy, economic analysis and utilizing this knowledge for the purpose of the project;
 - iii. Able to manage local raw materials sampling, sample handling and processing for use in the project;
 - iv. Able to provide accredited measurement and analysis for locally taken raw materials samples for use in the project;
 - v. Being the owner or having access to certain local raw materials sites / test sites or materials/processes and enabling them for usage in the project;
 - vi. Carry out or contribute to research and development in the field of raw materials and conducting it or utilizing its results in the project;
- D. Main activity related to the project is performed in the specific RIS country where the Task Partner originates from.
- E. Credit will be given to RIS Task Partners contributing to local education and dissemination and communication activity (where EIT Partners are not present in the area or region).
- F. A RIS Task Partner is coming from the Knowledge Triangle and/or strengthening the Knowledge Triangle Integration approach of EIT RawMaterials. In particular the Task Partner should be one of the following:
 - University with academics and/or research in the field of raw materials
 - Research Institute / Organization active in the field of raw materials
 - Industry representative / company active in the field of raw materials
 - Association / Chamber related to raw materials sector
 - Other stakeholder contributing to raw materials sector.

Selection process

Four Task Partners, one from each country (POLAND, CZECH REPUBLIC, SLOVAKIA, HUNGARY), will be selected.

In case there are several organisations or persons that qualify for the Tasks to be implemented, applications received will be assessed on the basis of the following scoring grid and according to the pass thresholds for the award criteria indicated below.



For each Type of Activity a rating between 1 (poorly meeting the criteria) and 3 (criteria met by 100%) will be given

Table 1: Scoring Grid

Criteria	Pass Threshold	Score (1-3)
Organisation is the owner of raw materials data and provider at regional / country level (e.g. geological data, mining properties inventory data, secondary deposits inventory data, etc.).	2	
Organisation possesses sound knowledge of the following areas (local regulations and legislation, local policy, economic analysis) and will utilize this knowledge for the purposes of the project.	2	
Organisation is able to manage local raw materials sampling, sample handling and processing for use in the project.	2	
Organisation is able to provide accredited measurement and analysis for locally taken raw materials samples for use in the project.	2	
Organisation is the owner or has access to certain local raw materials sites / test sites or materials/processes and will provide access to these sites to the project.	2	
Organisation is able to carry out or contribute to research and development (R&D) activities in the field of raw materials and to conduct R&D or utilise R&D results for the project.	2	
Main activity related to the project will be performed in the country where organisation originates from.	2	
If selected, organisation will contribute to local education, dissemination and communication activities in its country of origin.	2	

Based on the sum of the individual ratings a ranking of organisations will be established. The entity ranked 1st will be approached, in case this potential entity refuses to become a Task Partner the 2nd ranked potential entity etc. will be contacted.

Proposals will be selected on the basis of the evaluation results and the pass thresholds.

Agreements will be signed with selected Task Partners only if EIT approves the Business Plan for 2022 and the following years consecutively.

Application Form

All applications must be submitted via this link:

https://webportalapp.com/sp/ris_taskpartnerselection_2022

An indicative application form is placed in Annex II. Application Form Template



Submission of application / contact details for more information

The Application must be submitted via:

https://webportalapp.com/sp/ris_taskpartnerselection_2022

The following persons can assist you in case of questions:

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Annex II: Application Form Template

This Annex provides indicative information needed for submission of the application that must be done via https://webportalapp.com/sp/ris_taskpartnerselection_2022

Project details	
Project name:	21005 - BrineRIS - Brines of RIS countries as a source of CRM and energy supply
Lead Partner:	Politechnika Wroclawska (WUST)
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APPLICANT DETAILS	
Legal name:	
Type of organisation:	Please select from dropdown menu
Legal address:	
VAT number:	
Contact person:	
Contact person email:	
Contact person phone number:	

APPLICANT EXPERTISE	
Please answer YES or NO to the following statements regarding your expertise:	
My organisation is the owner of raw materials data and provider at regional / country level (e.g. geological data, mining properties inventory data, secondary deposits inventory data, etc.) and enables the use of that data for the project.	Please select If Yes, please specify data that will be provided for the project:
My organisation possesses sound knowledge of the following areas and will utilize this knowledge for the purposes of the project.	Please tick relevant areas: <input type="checkbox"/> Local regulations and legislation Please specify: <input type="checkbox"/> Local policy Please specify: <input type="checkbox"/> Economic analysis Please specify:
My organisation is able to manage local raw materials sampling, sample handling and processing for use in the project.	Please tick box when applicable: <input type="checkbox"/> Local raw materials sampling Please specify: <input type="checkbox"/> Sample handling



	Please specify: <input type="checkbox"/> Sample processing Please specify:
My organisation is able to provide accredited measurement and analysis for locally taken raw materials samples for use in the project.	Please select If Yes, please specify:
My organisation is the owner or has access to certain local raw materials sites / test sites or materials/processes and will provide access to these sites to the project.	Please tick box when applicable: <input type="checkbox"/> Access to local raw materials sites Please specify: <input type="checkbox"/> Access to local test sites Please specify: <input type="checkbox"/> Access to materials Please specify: <input type="checkbox"/> Access to processes Please specify:
My organisation is able to carry out or contribute to research and development (R&D) activities in the field of raw materials and to conduct R&D or utilise R&D results for the project.	Please select If Yes, please specify:
Main activity related to the project will be performed in the country where my organisation originates from.	Please select Please explain:
If selected, my organisation will contribute to local education, dissemination and communication activities in its country of origin.	Please select If Yes, please specify:
Other relevant expertise	Please specify:

REQUIRED FUNDING:				
YEAR	Year 1	Year 2	Year 3	TOTAL
Funding (in EUR)				