

EU – Norway Strategic Partnership on Raw Materials and Batteries

Roadmap 2022-2023

Draft of 25.10.2022

The Memorandum of Understanding between the European Union and Norway on a Strategic Partnerships on Raw Materials and Batteries (hereinafter “the MoU”) was signed on **XXX**. The overarching aim is to bring about closer integration of critical raw materials and battery value chains, with mutual benefits.

While the MoU sets the vision, define the areas of cooperation, and provide a political framework for the enhanced cooperation, this Roadmap represents the actions to advance the goals of the Partnership in 202X and 202X, which are defined under the four MoU work streams. These work streams are:

- **WS 1** - Value chain integration
- **WS 2** – Research and Innovation
- **WS 3** - Alignment on high environmental, social and governance standards and practices
- **WS 4** – Financial and investment instruments

This Roadmap will be a living document with regular updates to reflect progress made, and new opportunities identified in the course of its implementation. Any changes to the Roadmap will require endorsement at the ministerial level.

The partners agree to use the collaboration structure of the **XXX**, to monitor and discuss any matters of relevance to the implementation of the Roadmap.

The European Raw Materials Alliance and the European Battery Alliance play a key role on the implementation of the actions of this Roadmap.

Stakeholders from both sides will be invited to engage in the identified actions of interest to them.

List of Actions for 2022 and 2023

1) Identify and conduct joint-venture projects for EU and Norwegian industrial and investment actors

Facilitate cooperation and active participation among their industrial stakeholders in the European alliances, notably the European Raw Materials Alliance and the European Battery Alliance, as platforms to collaborate and develop investment projects. Additionally, both sides will identify resources and investment opportunities to strengthen mutual supply chains and identify relevant financial instruments.

2) Strengthen sustainable and responsible sourcing and processing of raw materials

Improve the knowledge and application of responsible, social and governance practices throughout the raw materials and battery value chains in order to improve public acceptance and meet sustainable financing criteria.

3) Exchange of geo-data management on CRM projects (primary and secondary) and on mineral resources/reserves

Access geological and mining data and information will increase the attractiveness of business opportunities. The information should be harmonised and evaluated using international standards (e.g. UNFC).

4) Advance R&I collaboration and uptake of innovative technologies

R&I collaboration is well advanced especially through EU Horizon R&I framework Programme. Therefore, further uptake of R&I solutions by the industry will be pursued.


5) Develop necessary skills in raw materials and battery value chains

Mobilise private and public financing for re- and up-skilling initiatives in the area of the raw materials and battery value chains, including the European Battery Academy and launch respective initiatives.

Partnership Roadmap – as of XXX

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Actions	Leading organisations	MoU work streams / specific objectives
<p>Action 1) Identify and conduct joint-venture projects for EU and Norwegian industrial and investment actors</p>	<p><i>DG GROW</i> <i>Norwegian Ministry of Trade, Industry and Fisheries,</i> <i>EIT Raw Materials, European Raw Materials Alliance,</i> <i>EIT Innoenergy, European Battery Alliance,</i> <i>Norwegian Industry Associations,</i> <i>EIB</i></p>	<p>WS 1:</p> <ul style="list-style-type: none"> • Developing an investment pipeline of projects throughout the value chain with their financing, equity and offtake agreements, including public sector de-risking. • Facilitating mutual cooperation between EU – NO industry stakeholders
<p>1.1 Organise a “Call for expression of interest” among EU Alliances Members (ERMA, EBA) to promote collaboration opportunities of the strategic partnership</p>		<p>WS 2:</p> <ul style="list-style-type: none"> • Mapping the existing cooperation areas under EU Horizon R&I framework programme and other schemes. • Facilitating the industrial uptake of most promising innovations developed by EU - NO consortia in Horizon and other R&I development schemes.
<p>1.2 Matchmaking between sustainable and responsible raw materials providers and projects within the battery value chain in Norway and investors via the business investor platforms of the European Alliances (EBA, ERMA) followed by development of real joint investment cases</p>		<p>WS 4:</p> <ul style="list-style-type: none"> • Working group on adequate public financing for realization of our common ambitions.
<p>1.3 Identification of adequate financing and de-risking instruments for realization of our common ambitions for the development of raw materials and the batteries value chain, including instruments for mutual investments and realization through collaboration. Soft-funding and risk reducing mechanisms, should be included in these assessments.</p>		<ul style="list-style-type: none"> • Facilitating financing for the strategic projects, including debt and equity investments and public funding for their de-risking, as well as offtake agreements.

<p>Action 2) Strengthen sustainable and responsible sourcing, processing and recycling of raw materials</p>	<p><i>DG GROW Norwegian Ministry of Trade, Industry and Fisheries, EU Member States</i></p>	<p>WS 3:</p> <ul style="list-style-type: none"> • The application of guidelines and best practises on environmental, social and governance, including EU principles on sustainable raw; materials. • Enhanced cooperation to improve the legal, regulatory and administrative framework stimulating the development of the batteries industry in line with the EU raw materials policy, Norwegian battery strategy and Norwegian minerals strategy; • Regular exchange of information regarding application of existing international standards on due diligence and related certification schemes for sustainable production/sourcing of raw materials along the entire value chain including recycling;
<p>2.1 Supporting the development of the Norwegian strategy on minerals by exchanging of best practices on raw materials in the context of the Raw Materials Supply Group</p>		
<p>2.2 Enhance information sharing between Norway and the EU on respective policies and best practices to support mutual engagement at the ISO and between national standardisation agencies related to critical raw materials. Norway will be included in EU-studies relating the subject.</p> <p>2.3 Sharing experiences and methodologies on mineral and metallurgical waste/side-streams in the circular economy to enable better resource utilization</p>		
<p>Action 3) Exchange of geo-data management on CRM projects (primary and secondary) and on mineral resources/reserves</p>	<p><i>DG GROW, RTD, HaDEA, JRC Norwegian Ministry of Trade, Industry and Fisheries Identified Horizon project coordinators from EU and Norway Norwegian Industry, Research Institutes and Universities</i></p>	<p>WS 1:</p> <ul style="list-style-type: none"> • Exchanging knowledge on resources and reserves; <p>WS 3:</p> <ul style="list-style-type: none"> • Continued cooperation to improve the legal, regulatory and administrative framework stimulating the development of raw materials industry in line with the EU raw materials policy and Norwegian minerals strategy;
<p>3.1 Identification of NO CRM promising deposits and their description using UNFC</p>		
<p>3.2 Integration of Norwegian viable, potentially viable CRM projects with the EU CRM project database</p>		
<p>3.3</p>		

<p>Exchange of data on resources/reserves and mineral potential from waste in the context of the EU database of Critical Raw Materials Norwegian government data will feed in EU analysis where relevant.</p>		
<p>Action 4) Advance R&I collaboration and uptake of innovative technologies</p>	<p><i>DG GROW, RTD, HaDEA, JRC Norwegian Ministry of Trade, Industry and Fisheries Identified Horizon project coordinators from EU and Norway Norwegian Industry, Research Institutes and Universities</i></p>	<p>WS 2:</p> <ul style="list-style-type: none"> • Mapping the existing cooperation areas under EU Horizon R&I framework programme and other schemes. • Facilitating industrial uptake of most promising innovations developed by EU – NO consortia in Horizon and other R&I development schemes. <p>WS 4: Organising financing for the valuable research activities along the CRM and battery value chains especially carried out outside the Horizon Europe programme.</p>
<p>4.1 Boosting R&I cooperation and identification of jointly developed R&I solutions from Horizon 2020 and Horizon Europe that could be commercialized</p>		
<p>4.2 Organise a dedicated business workshop to foster uptake of EU – NO innovations on raw materials and batteries</p>		
<p>4.3 Organise of a joint Tracing Net-Zero Battery Minerals event to support research and innovation</p>		
<p>4.4 The Partnership will serve as a vehicle for investments under the InvestEU Programme</p>		
<p>Action 5) Further develop necessary skills in raw materials and battery value chains</p>	<p><i>EIT Raw Materials, European Raw Materials Alliance, EIT Innoenergy, European Battery Alliance, Norwegian Industry Associations Norwegian Educational Institutions, Norwegian Ministry of Trade, Industry and Fisheries.</i></p>	<p>WS 4: Mobilising private and public financing for re- and up-skilling initiatives in the area of the raw materials and battery value chains, including the European Battery Academy.</p> <p>WS 1: Sharing strategies on skills development across Norway and the EU</p>
<p>5.1 Facilitating Norwegian participation in the European Battery Academy.</p>		

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