

Plan to Accelerate Minerals for the Transition and Circularity

Axis: Transitioning Energy, Industry, and Transport

Key objective: Tripling renewables and doubling energy efficiency

Solution: [Minerals for the transition and circularity](#)

Host initiative: [Global Clean Power Alliance](#)

Participating initiatives and institutions: [Future of Mining Coalition \(FOMC\)](#), [Gender and Energy Compact](#), [International Energy Agency \(IEA\)](#)

Scope:

- Geographic: global, across a representative range of Global North and South countries to develop applicable and scaleable solutions globally.
 - Sectoral: relevant clean power sectors, including (but not limited to) grids, wind, and solar power.
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Levers assessment: *(each lever is described in the guidance document)*

- **Risk-informed decision-making: medium maturity**
 - *Rationale: One of this plan's pillars is focused on data transparency, aiming to deliver interventions that increase the quality of data available to decision-makers. These interventions will support evidence-based decision-making around risk.*
- **Technology shifts: medium maturity**
 - *Rationale: There are a number of established technologies for the deployment of clean power globally. While technological development and evolution continues to inform approaches to clean power deployment, technological pathways are increasingly well known and deployable across sectors.*
- **Knowledge & Capacity building: high maturity**
 - *Rationale: the knowledge base for clean power deployment interventions are well-known across sectors, albeit with some remaining gaps. Trade-offs exist between different approaches, and different weighting of objectives can impact pathways, with further studies needed to inform effectiveness of approaches.*
- **Inclusive decision-making governance & design: medium maturity.**
 - *Rationale: [Inclusive governance in supply chain resilience](#) requires broadening the range of consulted stakeholders, to include local communities and under-represented populations, alongside a range of governmental and non-governmental stakeholders, to ensure shared costs and benefits.*
- **Standards & Taxonomies: medium maturity**
 - *Rationale: As new technologies continue to develop, harmonisation of standards and taxonomies is required to ensure supply chain scale-up.*
- **Supply: low maturity**
 - *Rationale: [Currently, clean power supply chains are stretched, with critical minerals increasingly facing the prospect of supply/demand deficits,](#)*
- **Demand: Medium maturity**

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- *Rationale: The demand for clean power solutions for renewables is demonstrably rising. Demand signals for some other components, and from procurement policies, is less consistent.*
 - **Public/private finance:** Medium maturity
 - *Rationale: Clean power deployment (for example grid systems) often requires large upfront investments. Public finance is often used to de-risk, subsidize early adoption, and support infrastructure and ensure social fairness. Private finance is key to scale investment, foster innovative financing models, and drive efficiency.*
 - **Partnerships and collaboration:** Medium maturity
 - *Rationale: Strong partnerships and collaboration exist in some sectors and within some industry groups, but is inconsistent and difficult to scale across multiple and varied stakeholders, sectors, industries, and government/non-government bodies. Alignment is a challenge when the benefits of collaboration are often long-term and crowded out by more immediate incentives.*
 - **Policy & regulatory:** Low maturity
 - *Rationale: Policy and regulatory frameworks are critical levers for scaling supply chains and have varied maturity across countries. Balanced policies are needed to have long term signals, planning, appropriate market design, incentives to develop grid and energy storage, reskills workforce and advance technologies to electrify various economy sectors.*
 - **Public opinion:** Medium maturity
 - *Rationale: Public awareness of the importance of clean power deployment is often high, but full understanding of the benefits of largescale deployment, the complexity of the required infrastructure rollout, and the cost implications of full deployment, are less well understood.*
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Expected impact of this plan on the 2030 targets (if any):

This plan, hosted by the [Global Clean Power Alliance](#), will implement actions to address four pressing challenges to ensuring the secure, resilient and diverse supply chains needed to deliver the transition to clean energy sources:

- o Expanding and improving data, where gaps hamper decision-making for governments and industry;
- o Bringing together government and industry stakeholders to help deliver the over 80 million kilometres of grids needed by 2040;
- o Strengthening supply chain resilience through better circularity, including reuse and recycling;
- o Supporting developing economies to move up clean power value chains by facilitating investment and skills partnerships.

This plan aims to partner with governments, with leading organisations, and with industry partners to deliver on these aims. The International Energy Agency is supporting critical work in addressing supply chain data gaps, including through publishing of a landmark report in early 2026 providing recommendations for specific actions. On electricity grids, the Mission will work with the Utilities for Net Zero Alliance (UNEZA) and the Green Grids Initiative (GGI) on harmonizing standards for components and developing mechanisms for pooled procurement. Action across each of these areas would help to address critical barriers that, if left unresolved, will hamper global efforts to transition to clean energy and put at risk the UK's own energy security.

The actions announced at COP30 are practical, targeted, and collaborative steps to deliver real solutions for the global transition and 2030 targets.

Output	Action Scope	Action	Type of action	Implementation Lever	Responsible	Time horizon	Stakeholder engagement	Committed Stakeholders
Improved and increased global access, quality and transparency of data for clean energy supply chains	Clean power supply chains	Publication of a report with the International Energy Agency with recommended actions and next steps. Specific and time-limited action based on the recommendations set out in the IEA report.	New action	Risk-informed decision-making	Supply Chain Mission partners IEA	2026-2028	Multistakeholders	Supply Chains Mission partners

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Improved rollout and resilience of electricity transmission systems	Clean power supply chains	Partner with the Utilities for Net-Zero Alliance to identify problems and test solutions with key stakeholders in the supply chain. Explore options to develop harmonised standards for technical components, and options for demand aggregation and pooled procurement	New action	Partnerships and collaboration Policy and regulatory frameworks Demand	Supply Chain Mission partners UNEZA	2026-2028	Multistakeholders	Supply Chains Mission partners
Increased circularity of clean power supply chain components.	Clean power supply chains	Establish a partnership between governments and industry to pilot a whole-of-supply-chain intervention on one or two key materials. Aim to harmonise national circularity strategies, and identify and implement new global standards for circularity of key materials	New action	Policy and regulatory frameworks Partnerships and collaboration	Supply Chain Mission partners Chatham House	2026-2028	Multistakeholders	Supply Chains Mission partners
Increased role of EMDEs in clean power supply chains.	Clean power supply chains	Work with GCPA Supply Chains Mission country partners to develop joint priorities on skills and IP, aligning existing skills and IP initiatives/institutions behind joint clean power supply chain objectives.	New action	Knowledge and capacity building	Supply Chains Mission partners	2026-2028	Multistakeholders	Supply Chains Mission partners

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FOMC Priority pipeline of pre-competitive projects mapped by country (Ops, Circularity, Nature)	Global mining & critical minerals	Curate 10–15 scalable pilots (methane abatement, fleet electrification, dry-stack tailings, water) with clear site oners and KPIs	Existing + New	Demand • Public/private finance • Operations	Coalition Secretariat (WCF) + Strategic Members	COP-30 (Nov) → Q2-2026	Multi-stakeholder roundtables in top jurisdictions	ICMM, Deloitte, miners, DFIs
FOMC Innovation & Tailings Valorisation Accelerator	Global mining & critical minerals	Launch challenge calls; match miners' "red-mud/ultra-fines" problems to startups; fund 3 POCs and 3 site pilots	New	Innovation • Market • Finance	Knowledge Partners + Coalition Secretariat	H2 2026; first pilots by Q3-2027	Technical WG; startup hubs; universities	Miners, OEMs, VC/CVC arms, DFIs
FOMC Offtake & "Green Metal" Buyer Club	EV/battery, grid, OEMs	Define attribute mini-spec + verification pilots; aggregate demand MOUs for 0.5–1.0 Mt eq. of verified products	New	Market • Standards	Buyer Working Group (OEMs) + Secretariat	H1 2027	Corporates, traders, standard setters	OEMs, exchanges, assurance bodies
FOMC Blended-Finance Templates & Facility (Pooled Procurements)	Remote/legacy sites	Structure standard term sheets (currency/tenor/LoC solutions); stand up \$250–\$500m facility for RE-hybrids & electrification	New	Finance • Policy & regulatory	Finance Working Group + DFIs	H2 2027	DFIs, banks, insurers, export agencies	BNDES/DFIs, insurers, multilaterals
Enhanced capacity and leadership of women energy and climate entrepreneurs and workforce through targeted, high-impact capacity building, mentorship, and skills development programs. Cross cutting across all activation groups under Axis 1 and Group18	Global	Conduct capacity building, mentoring and training programmes for women in the energy/ climate workforce and women energy/ climate entrepreneurs.	Existing Action	Knowledge & Capacity building	Gender and Energy Compact	November 2028	Multi-stakeholder	UNIDO, ENERGIA, SEforAll, GWNET

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Integration of gender-responsive approaches by project developers and policymakers. Cross cutting across all activation groups under Axis 1 and Group18	Global	Providing tools and guidelines to embed gender into energy & climate projects and policies, including capacity building for gender audits and gender-responsive project design.	Existing Action	Knowledge & Capacity building	Gender and Energy Compact	November 2028	Multi-stakeholder	UNIDO, ENERGIA, SEforAll, GWNET
Robust gender-responsive policies established through collection and analysis of sex-disaggregated data to inform energy transition strategies and strengthen accountability mechanisms. Cross cutting across all activation groups under Axis 1 and Group18	Global	Establish gender indicators to gather, analyze, and disseminate sex-disaggregated data; supporting accountability via progress reports and evidence-based recommendations. Sample indicators:  Reference: Policy Brief on Addressing Energy's Interlinkages With Other SDGs https://sdgs.un.org/sites/default/files/2022-06/Policy%20Briefs%202022%20Energy%27s%20Interl	Existing Action	Inclusive decision-making governance & design	Gender and Energy Compact	November 2028	Multi-stakeholder	UNIDO, ENERGIA, SEforAll, GWNET

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Expanded and diversified coalition membership actively engaged in advancing gender equality across the energy sector, leveraging multi-sector partnerships to scale impact and foster innovation. <i>Cross cutting across all activation groups under Axis 1 and Group18</i>	Global	Facilitating collaboration among governments, private sector, civil society, and international organizations to coordinate efforts; includes outreach and network expansion.	Existing Action	Partnerships and collaboration	Gender and Energy Compact	November 2028	Multi-stakeholder	UNIDO, ENERGIA, SEforAll, GWNET
IEA Doubling of mineral recycling rates by 2035	Global Minerals for the transition and circularity	Governments establish clear, time-bound targets to support increasing mineral recycling rates. Targets are underpinned by national roadmaps that detail specific milestones, priority sectors (e.g. battery recycling, copper processing, etc) and enabling actions such as binding mandates, financial and regulatory support, infrastructure development, and collection rate improvement	New action	Policy & regulatory	Countries	Announced COP30 Completed 2028	Countries and companies	