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meeting? 

The Roundtable on the Responsible Recycling of Metals (RRRM)

Steering Group – Meeting 4

Virtual

12 July 2023



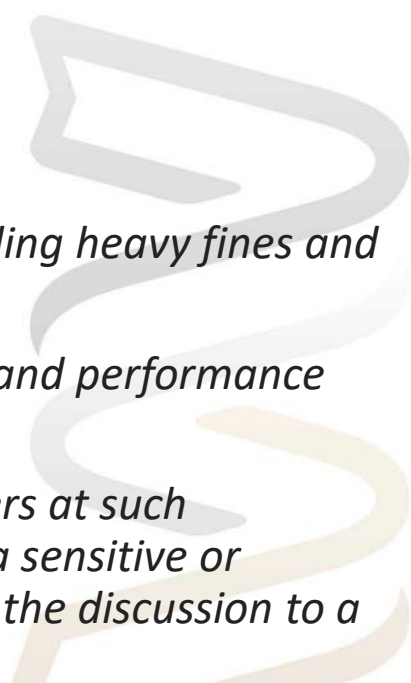
New Introductions:

- Dr Fabiana Di Lorenzo – RMI
- Yanin Kiefer – Boliden
- Bethany Perkins - ICA

Apologies from:

- Sara Olsson – Boliden
- Michele Brulhart - The Copper Mark
- Louise Assem - ICA
- Nicole Hansen - LME
- Dr Marcel Christians - Wieland

Anti-Trust Statement

- *The RRRM asks participants to fully comply with all applicable laws, including antitrust and competition laws. It does not condone or in any way seek to facilitate antitrust breaches. Participants should not discuss or share confidential proprietary or otherwise commercially sensitive information including:*
 - *current or future pricing practices;*
 - *terms and conditions of sale;*
 - *outputs and quotas;*
 - *market shares;*
 - *product or marketing plans;*
 - *business relations with suppliers and customers; or*
 - *any other matter on which participants compete.*
 - *Discussing or sharing this type of information can have serious consequences for participants including heavy fines and lasting reputational damage.*
 - *It is the intention that information pertinent to the roundtable objectives concerning ESG practices and performance across the value chain is shared*
 - *Participants should not hesitate to voice any concerns they may have regarding the conduct of others at such meetings. During the course of a meeting, if a participant believes that the discussion is turning to a sensitive or inappropriate subject, the participant will express that belief and request that the attendees return the discussion to a less sensitive area. If the discussion continues, the Chair will end the meeting.*
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Meeting agenda

1. Notes and Actions from last meeting
2. Stakeholder outreach and survey
3. Outreach and SG updates
4. Mapping update, initial findings
5. Working group proposals
6. SG focus, events and outlook
7. Next steps

Notes and Actions from last meeting

Actions agreed	Owner	Deadline
To provide its logo in a suitable format and a sentence in support of the Roundtable for its website and materials	SG members	Asap
Review the benchmarking (mapping) framework proposed and shared prior to the SG meeting	SG members who have not provided their reviews yet	May 12 th (asap if you have burning comments)
To review SG member comments and commence benchmarking (mapping) work	RRRM Secretariat	May 16th
To prepare and share the member survey for distribution to SG members for their feedback	RRRM Secretariat	May 18th
To review the survey prepared for RRRM members, other key stakeholders and suppliers	SG members	May 24th
To review and take account of the SG feedback on the survey, and share it with relevant stakeholders	RRRM Secretariat	May 26 th
Please consider WG themes, ToR and involvement and potential leadership/sponsorship	SG members	May/June
Copper Mark and ResponsibleSteel offered to look at the opportunity to partner in an ISEAL innovation fund application	Secretariat/ The Copper Mark/ResponsibleSteel	June/July
Plan and confirm in person meeting – aiming for Sept linked to WRF 23, Geneva	Secretariat/WRF	May 26th



Stakeholder outreach and survey

- Various meetings and outreach
- Website is live
- Survey is live
- Stakeholder communication via email and news item on website
- Includes short update and invitation to complete Survey
- Survey includes invitation to express interest in Working Groups
- Supports WG prioritisation and planning, inputs into landscaping work

Outreach and SG member updates

- BIR/RIOS/ISRI
- ASI, Cobalt Institute, BAN, Shipbreaking Platform, IRMA, Welsh Government, NL Government SER IRBC Metals Agreement, Lloyd's Register Singapore, UNEP, SteelZero
- Circular Steel event (for CARES)

Forthcoming events

- WRF 23, Geneva: 4th-6th Sept
- London Shipping week: 11th Sept
- LME Week, London: 9th October
- BIR Conference, Abu Dhabi: 22nd-24th October



Mapping update

Status and next steps

List of mapped schemes and status Tier 1 (high-level 24 criteria)

	Organization name	Scheme name	Status
1	Aluminium Stewardship Initiative (ASI)	Performance Standard	Awaiting review from scheme owner
2	Aluminium Stewardship Initiative (ASI)	Chain of Custody Standard	Awaiting review from scheme owner
3	Responsible Minerals Initiative (RMI) and The Copper Mark	Risk Readiness Assessment (RRA)	Awaiting review from scheme owner
4	Responsible Minerals Initiative (RMI)	Responsible Minerals Assurance Process (RMAP)	Awaiting review from scheme owner
5	Responsible Minerals Initiative (RMI)	Downstream Assessment Program (DAP)	Awaiting review from scheme owner
6	ResponsibleSteel	ResponsibleSteel International Standard	Awaiting review from scheme owner
7	China Chamber of Commerce of Metals, Minerals & Chemicals Importers & Exporters	The Chinese Due Diligence Guidelines for Mineral Supply Chains	RRRM Review completed
8	United Nations Environment Programme	The Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal	RRRM Review completed
9	The Copper Mark	The Copper Mark Criteria for Responsible Production.	On the way
10	The European Commission	The Critical Raw Materials Act	On the way
11	Certification Authority for Reinforcing Steels (CARES)	Sustainable Constructional Steels (SCS) Certification Scheme	On the way
12	The European Commission	Battery Regulation (draft)	On the way
13	London Bullion Market Association (LBMA)	Responsible Gold and Silver Guidance	On the way
14	International Organization for Standardization (ISO)	ISO 14067:2018 - Carbon footprint of products	On the way
15	International Organization for Standardization (ISO)	ISO 14021: 2016 Environmental labels and declarations - Self-declared environmental claims	On the way
16	Government of China	Operation Green Fence	On the way
17	The European Council	Regulation No 333/2011 establishing criteria determining when certain types of scrap metal cease to be waste under Directive 2008/98/EC	On the way
18	The European Commission	No 715/2013 establishing criteria determining when copper scrap ceases to be waste under Directive 2008/98/EC of the European Parliament and of the Council	On the way



List of mapped schemes and status Tier 2 (deeper-level 140 criteria)

	Organization name	Scheme name	Status
1	Sustainable Electronics Recycling International (SERI)	R2 Standard	Feedback received from the scheme owner
2	The Bureau of International Recycling (BIR)	BIR Guides	Awaiting review from scheme owner
3	Recycling Industry Operating Standard (RIOS)	RIOS	Awaiting review from scheme owner
4	Institute of Scrap Recycling Industries (ISRI)	ISRI Guides	Awaiting review from scheme owner
5	The e-Stewards Initiative and the Basel Action Network (BAN)	e-Stewards Standard	Awaiting review from scheme owner
6	International Organization for Standardization (ISO)	IWA_19: 2017 Guidance Principles for the Sustainable Management of Secondary Metals	On the way

Mapping Preliminary Findings Structure

Tier 1 (high-level) Tier 2 (more detailed recycling focused schemes)

1. Scheme Background

- Includes scheme governance, reach of schemes, application of scheme across value chain including to smaller scale players, approach to improvement (e.g. levels)

2. Stakeholder Engagement and Recognition of Other Schemes

- Explores participation, reporting requirements and cross recognition


3. Assurance, Chain of Custody and Claims

4. Governance issues coverage (within scheme, not of scheme)

5. Environmental issues coverage

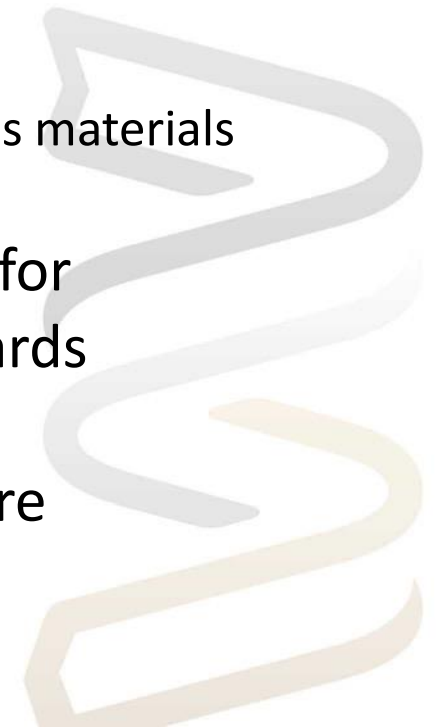
6. Social issues coverage

Preliminary Findings – Tier-1 (High-level Mapping)

- Variety of value chain stages covered while there is more focus on upstream
 - Most of the mapped schemes do not require a policy on secondary metals
 - No consensus over "recycled metal" and "recycled content" definitions, little distinction between pre and post-consumer metals
 - Most mapped schemes recognize international Environmental, Health and Safety management systems standards and, for some, this is a requirement
 - All mapped schemes require alignment with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals/ from Conflict-Affected and High-Risk Areas
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Preliminary Findings – Tier-1 (High-level Mapping)

- The specific impact context of recycled metals are mostly excluded from the mapped schemes
- Therefore, mapped schemes are not fully equipped to address impacts relating to the recycling of metals, especially regarding:
 - Understanding supply chain risks
 - Environmental risks and impacts, e.g. open burning, radioactivity, some hazardous materials
 - Public reporting (transparency – many are in relation to HR DD outcomes)
- Varied requirements on chain of custody models and traceability systems for secondary metals (no requirements, mass balance models, + moving towards traceability)
- Latest revisions of the schemes and planned developments show that more requirements regarding recycling of metals are on the way



Preliminary Findings – Tier-2 (Detailed Mapping) - Background of the Scheme

- Available initiatives are non-profits or provide guidance and uptake is voluntary which could indicate a gap or lag in legal measures related to the outcomes sought
- Most schemes are globally applicable with higher uptake/maturity in developed countries
- Metals/scrap is not the sole focus area of the selected mapped schemes, other commodities are also included within their respective scopes, some are focused on product groups (electronics)
- No consensus over "recycled metal", "recycled content", and "recycling efficiency" definitions
- Most schemes provide non-financial tools to help in complying with the scheme's requirements or in getting certified (e.g. online training, guidance documents)
- Mapped schemes do not have different performance levels and exceeding basic performance is not explicitly awarded (e.g. with reduced audit frequency and lower cost to maintain certification etc.)

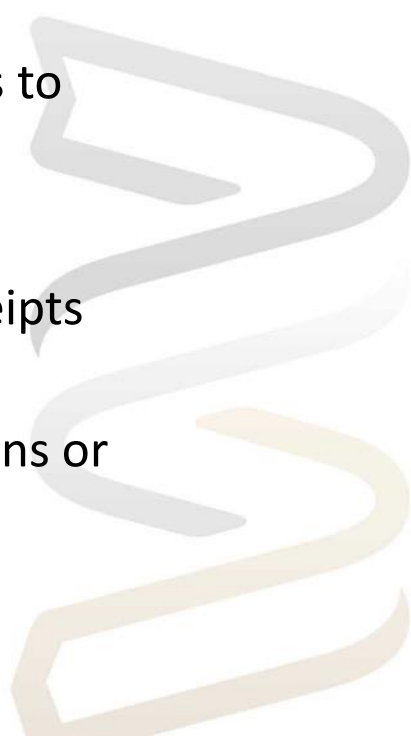
Preliminary Findings – Tier-2 (Detailed Mapping) - Stakeholder Engagement and Recognition of Other Schemes

- Little evidence found on engagement with small-scale recyclers, informal/subsistence collectors or vulnerable groups or organizations which legitimately can represent them in scheme development
- Most mapped initiatives do not publicly disclose assessed organizations' assessment or audit reports
- Various ISO standards recognized by the mapped schemes, ISO 9001 (Quality Management), ISO 14001 (Environmental Management), ISO 45001 (OHS Management) being the most common ones for management systems, ISO 17021 (Conformity assessment — Requirements for bodies providing audit and certification of management systems) for the assessments by the independent certification bodies
- RIOS recognized as a management system standard as proof of compliance on EHS by some mapped third-party certification initiatives, e.g. e-stewards

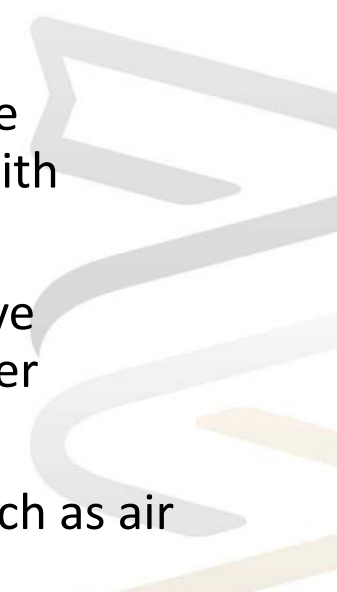
Preliminary Findings – Tier-2 (Detailed Mapping - Assurance, Chain of Custody and Claims)

- Most of the mapped schemes require self-assessments/internal audits, including the schemes that require independent third-party assessments
- Mixture of self-assessment (guides and laws) and third-party assurance approaches (mainly for e-recycling)
- No requirements to have independent quality control, e.g. through an assurance committee made up of independent members that check the quality of audit reports
- All schemes that use third-party assessments check the certification bodies for competencies, qualifications, training, processes and procedures for approval and use audit bodies that are accredited by recognized accreditation bodies
- All schemes that use third-party assessments require at least annual site audits
- None of the mapped schemes require full traceability on scrap inputs
- Limited requirement to align with the OECD Due Diligence Guidance for Responsible Supply Chains
- Mapped schemes use "Identity Preserved" and "Mass balance" downstream CoC models

Preliminary Findings – Tier-2 (Detailed Mapping) - Governance issues coverage (within scheme, not of scheme)

- All mapped schemes require baseline compliance with national laws and regulations consistent with international law regardless of jurisdiction
 - More limited governance requirements than with some Tier 1
 - Gap apparent in requirements on anti-corruption policies and procedures and provisions to combat money laundering
 - Gap in requiring a know your counterparty/customer” (“KYC”) policy
 - Gap apparent in requirement to disclose tax payments to governments and disclose receipts of any subsidies in jurisdictions where the assessed organization operates
 - Gap apparent in requiring internal and external grievance mechanisms for raising concerns or non-compliances (whistle-blowing mechanisms and public complaint procedures)
 - Full compliance with the Basel Convention not required by all mapped schemes
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Preliminary Findings – Tier-2 (Detailed Mapping) - Environmental issues coverage

- All mapped schemes require at least alignment with internationally recognised environmental management systems
 - Environmental risk assessments required by mapped schemes although public disclosure is not, while there are no identified requirements on climate risk assessments
 - Gaps apparent in biodiversity related requirements
 - Most mapped initiatives do not have a lot of direct or performance requirements on the management of GHG emissions, water, effluents, as based on alignment/certification with environmental management systems
 - Waste management, hazardous substances/wastes, controls on processing of radioactive metals, radioactive waste related requirements are more advanced compared to broader environmental requirements
 - Partial coverage on some environmental issues more material to recycling of metals, such as air emissions, uncontrolled/open burning and noise levels, e.g. e-stewards
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Preliminary Findings – Tier-2 (Detailed Mapping) - Social issues coverage

- Gaps apparent in exceeding minimum legal requirements in social issue coverage in most of the mapped schemes
- Alignment with the relevant ILO Conventions on labour rights mostly not required by the mapped schemes
- Occupational health and safety and emergency preparedness among most widely covered issues, while all mapped schemes require at least alignment with an OHS management system (ISO 45001 or OHSAS 18001, although no longer in use)
- "Freedom of association", "collective bargaining", "paid maternity, paternity and sick leave", "pension and security benefits" and "living wage" not covered by the mapped schemes
- Providing suitable training and development opportunities to employees is widely covered, especially regarding safety aspects, and regarding data security for mapped initiatives that focus on electronics recycling

Mapping next steps

- Completion of mapping work (initial aim \approx 15 schemes, 12 assessments completed, current aim 19, and 4 additional schemes could be added to pull out key aspects relevant to recycling of metals)
- Chasing and reviewing feedback by the scheme owners
- Finalising mapping by integrating feedback
- Completing draft report on mapping outcomes
- (Feeding outcomes into the Working Groups)
- Review of draft report by SG
- Iteration and creation of design version
- Second SG review for final changes/iteration to approval
- Publication on website/promotion/sharing



A person in a red hoodie is seen from behind, working in a landfill. The ground is covered in dark, smoldering waste, with wisps of white smoke or steam rising from it. In the background, a hazy landscape with mountains is visible under a bright, overcast sky. Several birds are silhouetted against the sky, flying in various directions. On the left side of the image, there is a large, faint, stylized graphic element that resembles a wave or a ribbon.

Working Groups

September to November 2023

Plan development and Steering Group inputs

Working Group Plan

- 3 months Sept-Nov for each of 2 Working Groups
- *SG members are kindly requested to 'sponsor' and 'support' one or both WG's and to indicate which group(s) they would like to be involved in*
- *Working with the secretariat, SG to help recruit core members, confirm ToR, objectives and outline process for each (by 27th July) and to firm up the plans by end August.*
- *SG Sponsor and core supporters to work with secretariat to plan, manage and run WG*
- Broader members identified and invited to participate through existing database, survey, secretariat and SG member networks and outreach (July/Aug/start Sept)
- Aim to keep WG membership to manageable size
- Follow ToR to deliver outcomes – feed into roadmap and out into SG, member and broader initiatives

Proposed Working Groups – Industry Lens

These revised proposals are based on feedback received from discussions and feedback on v1 of these proposals.

The intention is to work through the thematic areas through industry value chain lenses TBC:

1. Shipbreaking and Steel
2. Electronics and Non-Ferrous
3. Other (please consider if another lens would be useful)



Benefits to participants

- Enables more detailed roundtable discussions to take place, focused on specific value chains and the themes and objectives identified through the landscaping work
- Closely matched to relevant SG member needs and the WG's can be framed to support related SG activities
- Enables network development and connections to be made to wider stakeholders with shared interests and co-learning
- Aims to take forward areas identified as requiring action and to deliver recommendations and a plan on what needs to be done to close gaps
- Roadmap outputs can be used to feed into SG, member and other initiatives



Summary Terms of Reference for Working Groups

- Complete the activities to feed into the RRRM Roadmap
- Highlight commonalities and commodity specific variations
- Utilise existing information and WG are not expected to do primary research
- Summarise how currently managed/how current standards meet expectations/requirements (using mapping outputs and other relevant reports and knowledge)
- Clarify the nature and extent of key impacts/the issues with current approaches
- Confirm the gaps and provide proposals for how they can be closed
- Identify any best practice case studies




Proposed WG Process

- Starting pack provided: Preliminary landscaping outcomes, relevant mapping outcomes, key references, timeline, plan and progress tracking template. There will also be some initial alignment sessions.
- Virtual meeting schedule approximately every other week with potential for in person meetings, e.g. at London Shipping Week 11th Sept, LME Week 9th Oct [TBC] + defined tasks completed between meetings
- Working group structure: SG sponsor [lead], SG's supporter and secretariat support/facilitation – *[we need support from SG organisations to make WG's viable]*
- Identify other WG participants from SG networks, wider membership/new invitees [July/August]
- Invite expert speakers to contribute/share their knowledge
- The way WG's are run is up to each group to confirm, within broad framework of progress tracker [plans to be confirmed between SG Sponsors and secretariat July/August]
- Launch/announce plans for WG's at WRF23 – mention during Panel session Tuesday 5th Sept and focus the Ideation session Weds 6th Sept on the WG themes + at Green Steel Shipping event 11th Sept [TBC]
- Governance: SG sponsor, supporters and Secretariat feed out to full SG who review progress monthly

Proposed Activities – Confirm the context - alignment

Utilising existing work

- Confirm and summarise the forecast growth in and locations of electronics recycling/shipbreaking and summarise the implications on scrap availability
 - Clarify key ESG impacts, locations and the potential significance and scale of them
 - Lay out the range of electronics processing/shipbreaking options and technologies
 - Clarify current expectations of ESG Due Diligence practices, including identification of potential red flags to trigger enhanced DD
 - Clarify current relevant standards, guidelines, legislation and tools and application
 - Lay out the range of known initiatives working in this space
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Proposed activities – Definitions and Implications


- Clarify the range of available relevant definitions:

For consideration are: recycled material/ recycling/ recyclable/ recycled content/ recycling efficiency/ origin/ waste/ end of waste/ recoverable materials/ scrap/ secondary materials/ others?

- Highlight variations
- Lay out potential implications, e.g. for calculating GHG's through value chain
- Make proposals for solutions/improvements
- Clarify further work needed



Proposed activities – Understanding sources and enabling due diligence

- Seek to identify barriers and opportunities in understanding the origins of metals for recycling within the industry value chain
 - Identify reasonable expectations for a flow of ESG impact information through the value chain and the opportunities for improved tracking of metals for recycling and recycled metals/Identify the main barriers
 - Create common expectations for ESG Due Diligence for recycled sources
 - Identifying commodity specific variations
 - Identify potential location, supplier or circumstantial, 'red flags' which would require enhanced DD
 - Propose a common and reasonable expectation of action plans, ESG practices and performance and any relevant case studies
 - Recommend specific assurance (see next slide) and reporting requirements
 - Clarify further work needed
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Proposed activities– Assurance options across the value chain

- Confirm the range of assurance types and options available at each stage of the recycled metals value chain
- Clarify the confidence levels you can expect from each type of assurance
- Confirm what level of assurance is appropriate/should be expected from each value chain stage and what this looks like
- Identify any best practice case studies
- Clarify further work needed



Proposed activities – Bridging the gap between subsistence actors/ small scale collectors and processors and downstream metal users

For each WG

- Confirm the strengths and weaknesses of currently used technical, cultural and financial mechanisms used to improve conditions/de-risk subsistence actors/ small scale collection and processing
- Recommend how to close the gap between high-risk activities and d/s user expectations
- Identify any best practice case studies
- Clarify further work needed



Week by week progress tracker template

	4 th Sept	11 th Sept	18 th Sept	25 th Sept	2 nd Oct	9 th Oct	16 th Oct	23 rd Oct	30 th Oct	6 th Nov	13 th Nov	20 th Nov	27 th Nov
WG Phase	Intros, Scope and confirming Objectives and plan		Draw on Landscape, Context, Research and Outreach to provide alignment, confirm current position and needs				Considering solutions – clarifying expectations. Forming conclusions. Identifying what needs to be done				Roadmap steps defined Reporting out Next steps activities agreed		
		Work through the defined activities											
WG1	Launch	Meet		Meet		Meet		Meet		Meet		Meet	
WG2	Launch		Meet		Meet		Meet		Meet		Meet		Meet
Events	WRF23	London Shipping week				LME Week		BIR UAE					
Oversight			SG review			SG review				SG review			

Working Group SG inputs

- Which WG do we want to support?
- What resources can we commit throughout the WG period?
- Do we have technical or other resources we can bring in for aspects of the WG?
- Can we leverage our supply chain/key partners?
- Can we help sponsor and co-lead one of these WG's?
- Does the plan seem sensible/how can it be improved?
- Who in our network should also be involved in the WG?
- What else do I need to know?


[To confirm SG meeting dates Sept-Dec 23]

SG meeting focus

- April – agreeing staged approach, reviewing initial findings, introduction to benchmarking
- April/May – mapping criteria and detailed plan, longlist and shortlist selection
- July – review of initial mapping findings, implications for working groups and WG planning. Review of Phase 1 and decision on Phase 2 of the Roundtable
- Sept – Mapping outcomes, Working Group initiation [*Tuesday 5th Sept at WRF23*]
- Oct – Working Group progress updates, roadmap development [*Weds 11th October @ LME week/hybrid ?*]
- Nov – Working Group progress/outcomes, roadmap development [*Weds 8th or 15th? Virtual*]
- Dec – Roadmap and next steps for priority areas. Landscaping, mapping and roadmap reporting. Roundtable review [*Weds Dec 13th ? virtual*]



Steering Group Next Steps/outlook

- *Consider and confirm Working Group Sponsorship/membership preferences*
 - *Meet us/E-mail us/Mural remains open for feedback, inputs and ideas*
 - *Are you planning a consultation, standards development or research? Please consider incorporating pertinent questions about recycled metals/RRRM objectives*
 - *Ongoing outreach with recyclers and industry associations, other stakeholders*
 - *Survey sharing/profile raising/news items*
 - *Phase 2 invoicing in August. Consider funding opportunities, e.g. ISEAL innovations funding application, potential for p/t secondment of personnel?*
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- WRF 23 4-6th September
- UNEP Global Intergovernmental Meeting on Minerals and Metals 7-8th Sept in Geneva
- London Shipping Week 11th September
- LME Week 9-14th October,
- BIR conference (22) 23 - 24 October, Abu Dhabi UAE

Events Calendar

Please let secretariat know of planned events/attendance

Contacts - Secretariat

- Dave Knight – Director One Planet Limited and Roundtable Facilitator
dave.knight@oneplanet.biz; dave.knight@rrmroundtable.org + 44 (0)7933
114856 [*holiday 28th July-11th August*]
- Umut Cantoru – Roundtable Secretariat secretariat@rrmroundtable.org
[*holiday Late August*]