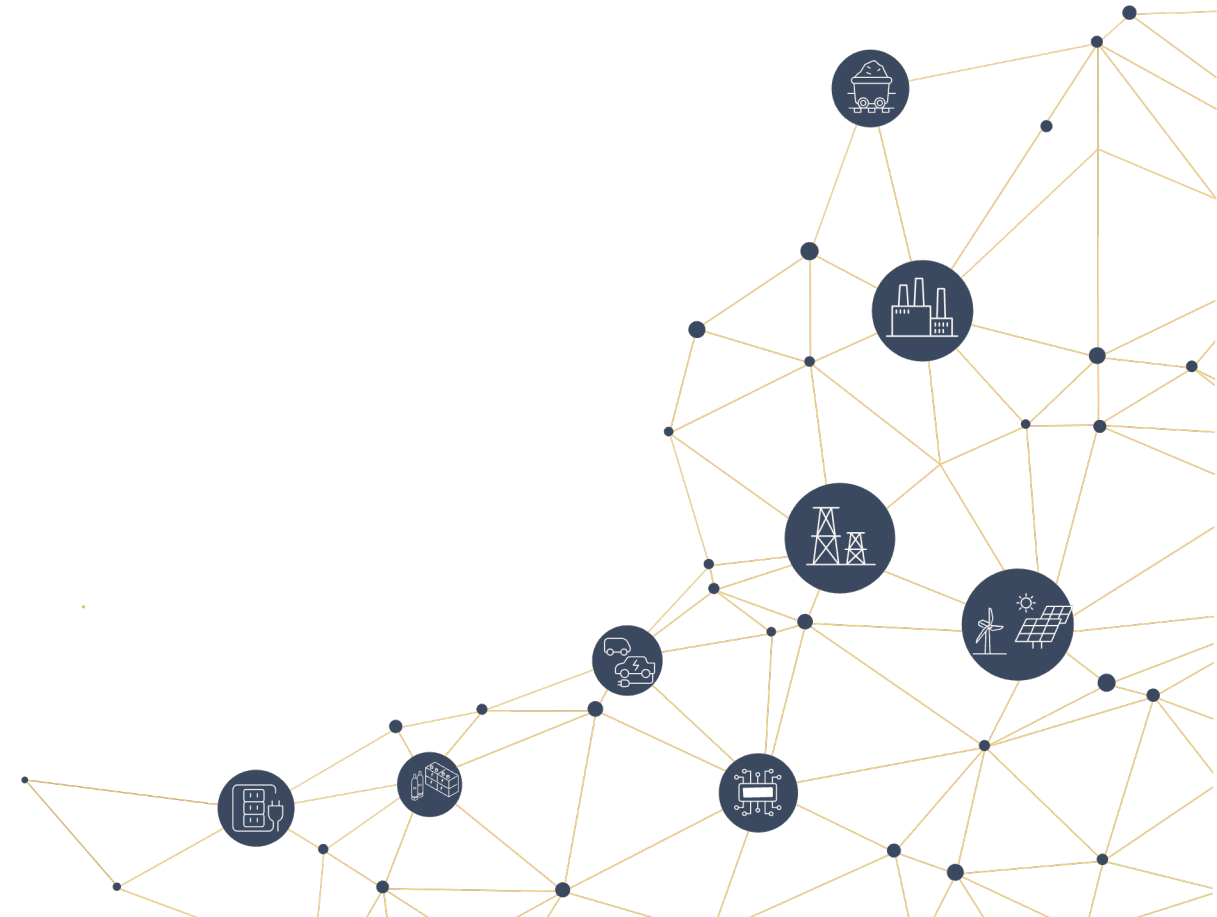
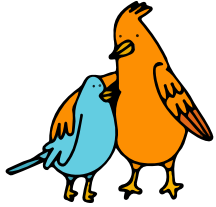


Welcome!

Andrzej Ceglarz (RGI)



Who is RGI?



We engage in an energy transition ecosystem of actors and promote **fair, transparent, sustainable grid development** to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.

TRANSMISSION SYSTEM OPERATORS (TSOS)



Renewables
Grid Initiative

NON-GOVERNMENTAL ORGANISATIONS (NGOS)



SUPPORTING MEMBERS



How is our work structured?

As a solutions-driven organisation with focus on the electricity infrastructure implementation. We foster knowledge exchange, discussions on the needs of grid infrastructure, and best practices sharing within **three dimensions**:

GRIDS & ENERGY SYSTEMS

We enable discussions on how to **model, plan and implement** decarbonised and optimised clean energy systems, including different voices in the process.

ENERGY & NATURE

We ensure energy systems both onshore and offshore are developed in **coherence with nature and biodiversity**, promoting mitigation, enhancement and restoration measures.

ENERGY & SOCIETY

We include and engage **citizens, civil society and policymakers** on strategies towards full decarbonisation, building capacity on the role of grids within the energy transition.

WHY ADDRESSING *circularity & supply chains?*



Supply chain constraints can severely impact the implementation and development of grid technologies, leading to delays in electricity grid deployment, increased costs and a slower energy transition.



The **high resource demand** for the energy transition underscores the need for responsible resource management throughout the entire lifecycle to minimise environmental impacts, and ensure energy security, competitiveness and sovereignty.



RGI'S WORKSTREAM

circularity & supply chains

19 June
2024



Webinar
Circular Wind
w/ Renewables Part & SSE

26 June
2024



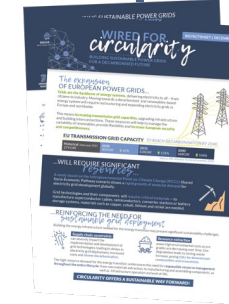
Expert Workshop
Closing the Circle

24 October
2024



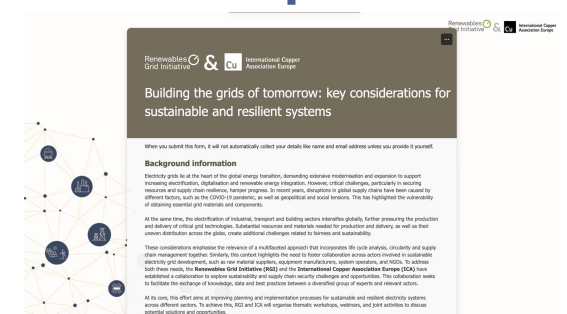
Webinar
Wired for Circularity
w/ IRENA, JRC & RTE

December
2024



Factsheet
Summarising findings

March
2025



Survey
with ICA Europe

EXPERT WORKSHOP 25 SEPTEMBER | 09:30 – 16:40

powering SECURITY

**SUSTAINABLE & CIRCULAR APPROACHES FOR
RESILIENT GRID SUPPLY CHAINS**



Co-funded by
the European Union

Renewables
Grid Initiative



International Copper
Association Europe

RGI-ICA COLLABORATION

Our objectives



Contributing to Sustainability

Promote sustainable grid expansion and supply chains to optimise resources while reducing environmental and social impacts.



Advancing Circularity

Encourage reuse, recyclability, eco-design, and recycling capacity to optimise resources and reduce material demand in grids.



Informing decision-making process

Support sustainable energy planning by assessing resource needs, standards, and LCA methodologies for grid infrastructure.

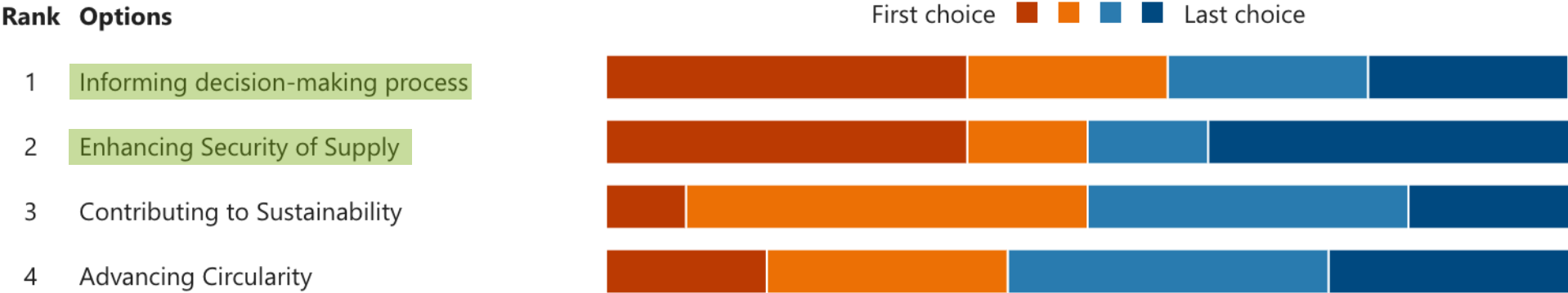


Enhancing the Security of Supply

Strengthen supply chain resilience through readiness, sustainability, and policy frameworks supporting secure and responsible sourcing.

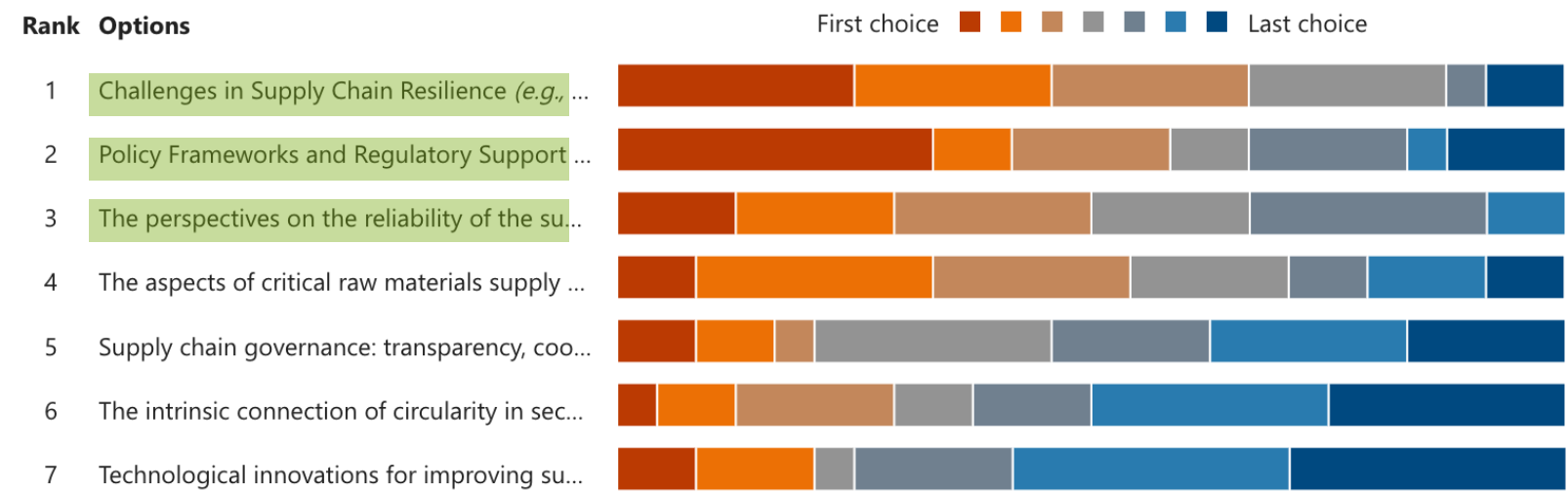
SURVEY: BUILDING THE *grids of tomorrow*

WHICH OBJECTIVES ARE MOST RELEVANT TO YOUR WORK?



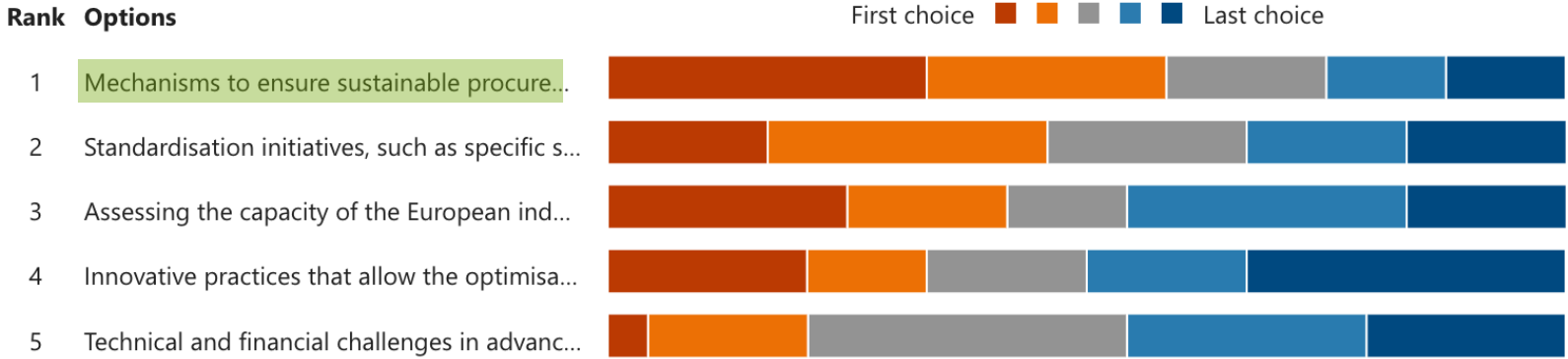
SURVEY: BUILDING THE *grids of tomorrow*

WHICH OF THE FOLLOWING TOPICS RELATED TO ENHANCING SECURITY OF SUPPLY WOULD YOU BE MOST INTERESTED IN DISCUSSING?



SURVEY: BUILDING THE *grids of tomorrow*

REGARDING ECONOMIC, TECHNICAL AND OTHER BROADER ASPECTS,
WHAT TOPICS IS YOUR ORGANISATION MOST INTERESTED IN?



WORKSHOP

objectives



Identify **challenges** faced by grid operators, OEMs and raw material suppliers, concerning **supply chains** and **sustainability compliance**.



Pinpoint and discuss challenges for implementing **non-price sustainable criteria for public and private procurement** within electricity grids.



Understand and discuss **barriers to incorporating circular approaches** within grid development.



Share solutions and best practices that could mitigate supply chain challenges, including tools for increasing circularity within manufacturers and TSOs' operations.

EXPERT WORKSHOP

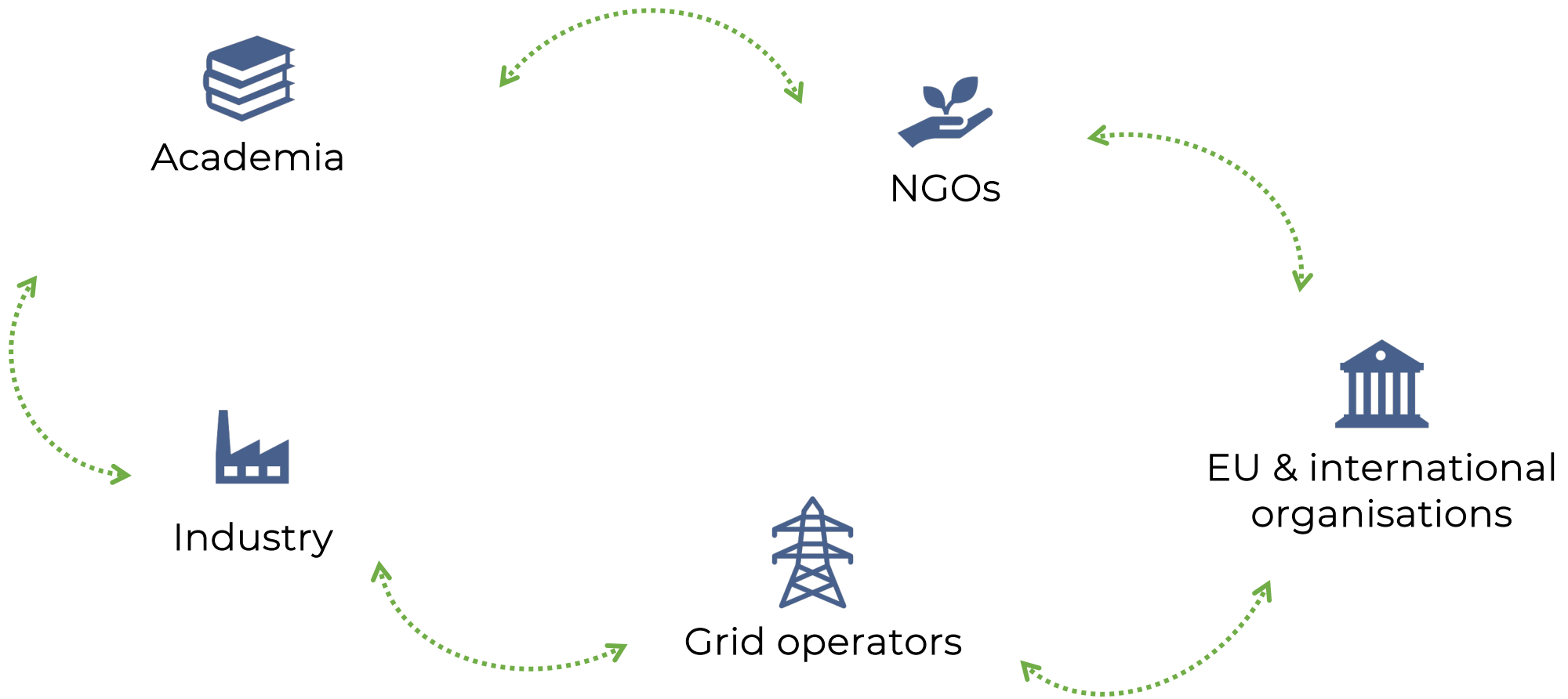
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SECURITY

Renewables
Grid Initiative



International Copper
Association Europe

Who is in the room *today?*



FORMAT FOR THE *discussions*

SESSION 1 *Setting the scene*



15-minute
presentations

Important remarks



We are recording for
RGI internal use!



We are under Chatham
House rules!

FORMAT FOR THE *discussions*

SESSIONS 2-3

Supply chains & sustainable procurement



15-minute
presentations



5-10 minutes for
immediate Q&A



35 minutes for
discussion

Important remarks



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RGI internal use!



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House rules!

FORMAT FOR THE *discussions*

SESSION 4

Sharing circular practices for electricity grids



15-minute presentations



10 minutes for immediate Q&A



Followed by the interactive session

Important remarks



We are recording for RGI internal use!



We are under Chatham House rules!

WORKSHOP

agenda

09:30	REGISTRATION AND COFFEE
10:00	WELCOME, AGENDA AND THE WORKSHOP'S OBJECTIVES Andrzej Ceglarczyk, RGI & Olivier Tissot, ICA <i>10 min presentation</i>
Session 1 Setting the Scene	
10:10	OVERVIEW OF RELATED POLICY FILES & LESSONS LEARNED FROM PREVIOUS WORKSHOP <i>Nathália Pimentel, Renewables Grid Initiative including takeaways from Expert Workshop 'Closing the Circle'</i> <i>15 min presentation</i>
10:25	COPPER CIRCULARITY Olivier Tissot, International Copper Association (ICA) Europe <i>15 min presentation</i>

WORKSHOP

agenda

Session 2 | Challenges and opportunities in the grid supply chain

10:40

NET-ZERO MANUFACTURING IN THE EU: THE CASE OF GRID TECHNOLOGIES

Michael Flickenshield & Marnix Littooi, Ecorys | Based on [Study for DG ENER](#)

15 min presentation, 10 min direct and clarification questions

11:05

THE POTENTIAL EFFECTS OF EU CBAM ALONG THE SUPPLY CHAIN

Antton Haramboure, OECD | Based on [recent report](#)

15 min presentation, 10 min direct and clarification questions

WORKSHOP

agenda

Session 3 | Sustainable procurement

11:30

DRIVING INNOVATION THROUGH SUSTAINABLE PUBLIC PROCUREMENT

Dr. Ruben Nicolas, Utrecht University

15 min presentation, 10 min direct and clarification questions

11:50

SUSTAINABLE PUBLIC PROCUREMENT IN PRACTICE

Renaud de Jamblinne, Elia

15 min presentation, 10 min direct and clarification questions

12:10

DISCUSSION

12:45

LUNCH BREAK

EXPERT WORKSHOP

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Association Europe

WORKSHOP

agenda

Session 4 | Sharing circular practices for electricity grids

13:40

THE PATH FROM A LINEAR WAY OF OPERATING THE HIGH VOLTAGE GRID TO A CIRCULAR OPERATING MODEL

Géraldine Wahis, Elia Group

15 min presentation, 10 min direct and clarification questions

14:05

PARTNERING FOR A CIRCULAR AND RESILIENT GRID WITH RECYCLED ALUMINIUM

Stéphane Heurtault, RTE

15 min presentation, 10 min direct and clarification questions

14:30

CIRCULAR PRACTICES FOR TRANSFORMERS

Carlos Martin, Hitachi Energy and T&D

15 min presentation, 10 min direct and clarification questions

14:55

CIRCULAR PRACTICES FOR CABLES

Christophe Richon, Europacable

15 min presentation, 10 min direct and clarification questions

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Association Europe

WORKSHOP

agenda

15:20	COFFEE BREAK
15:40	INTERACTIVE SESSION: DISCUSSING NEXT STEPS
16:25	CONCLUSION AND NEXT STEPS
16:40	END OF THE WORKSHOP + NETWORKING DRINKS