



re-sourcing

Renewable Energy Roadmap Workshop

Recycling of Wind Turbines & Solar PV Modules

Stefanie Degreif, Öko Institut e.V.

Katharina Gugerell, Montanuniversität Leoben





Agenda

- Housekeeping
- Feedback D4.1
- Development of Roadmap

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Housekeeping



Housekeeping

- Please mute your microphone
- Write COMMENT or QUESTION in chat
- 30 min Feedback D4.1
- 50 min Development of Roadmap



2

Feedback D4.1

Challenges

Standards

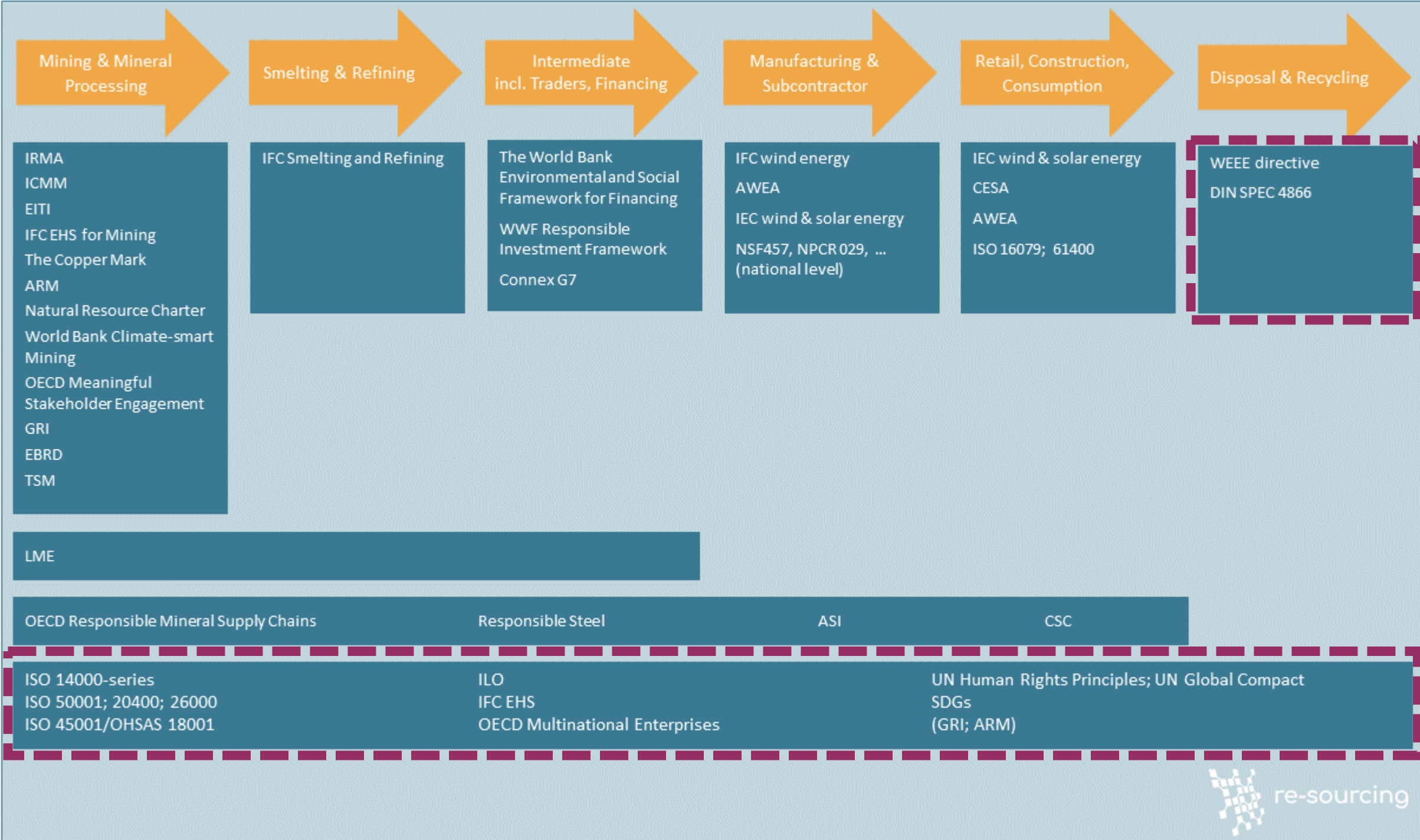
Vision

Gap Analysis

Challenges – Recycling



- Wind Turbines & Solar PV modules
- Turbine Blades
 - Potentially large amounts of land fill
- Photovoltaics
 - Potential of environmental pollution, impact on biodiversity, human health
- Occupational Health & Safety
- Environmental impact
- Economics & Policy
 - Recycling currently unprofitable

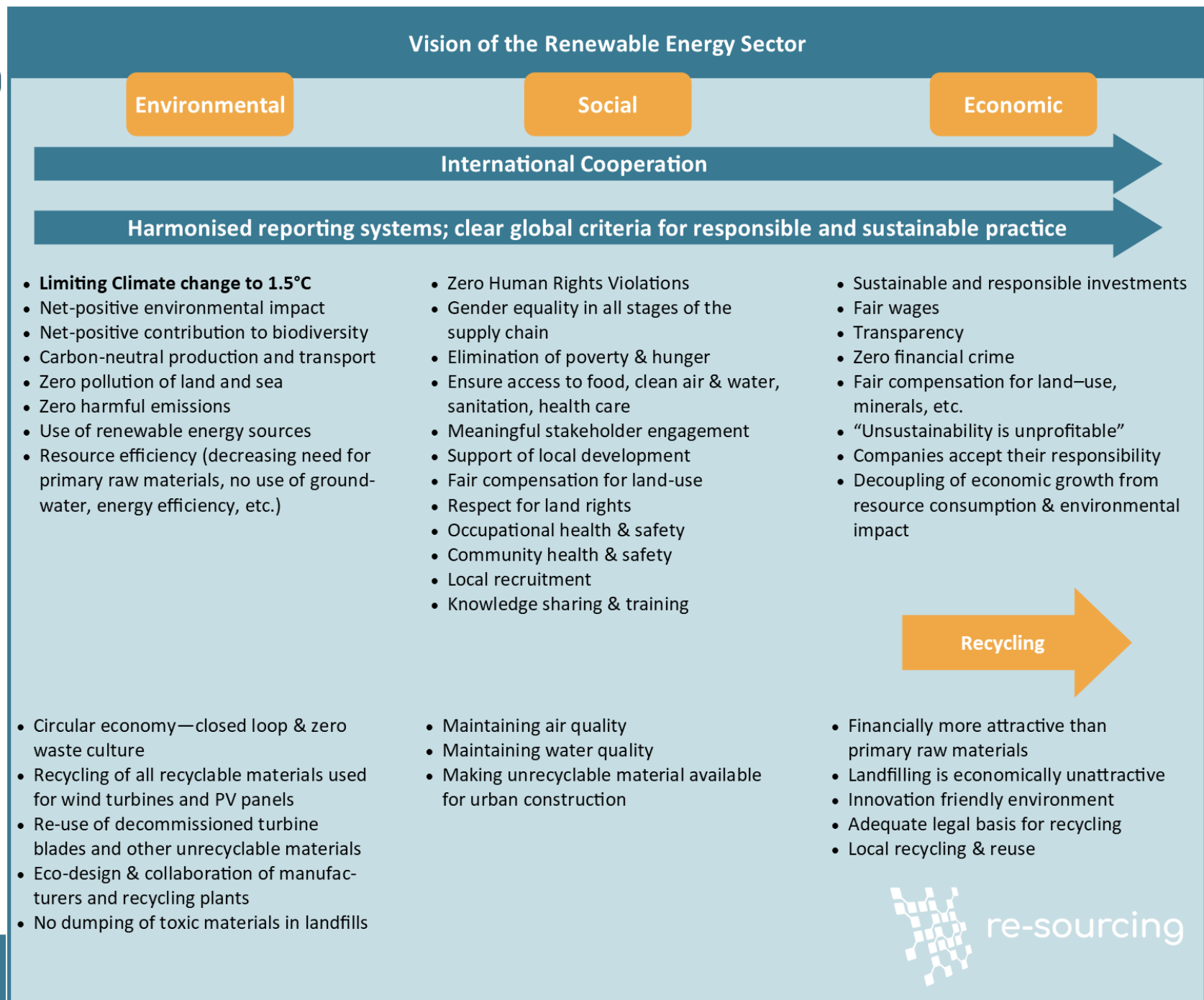




Questions

- Have we included all relevant challenges?
- Have we included all relevant standards?

Vision





Gap Analysis

- International Frameworks
- Collection & Treatment Systems
- Environmental sustainability
- Resource Efficiency





Questions

- Are you aware of any new standards/initiatives currently being developed?
 - If yes, can they cover some of the gaps?
- What do you think is the most important gap that needs to be addressed?

3

Roadmap Development



Roadmap Development

- Mural, i.e. virtual whiteboard
- Link in chat:
<https://app.mural.co/t/mulresourcing1327/m/mulresourcing1327/1603780665075/518dcfe5e104238ff3a3dc0dec2f4a67e5e5afb9>
- Everyone can participate
- Use sticky notes
- Zoom/Navigation using mouse or controls bottom right corner

The screenshot displays the Mural virtual whiteboard interface. The top navigation bar includes menu items: Datei, Bearbeiten, Ansicht, Chronik, Lesezeichen, Extras, and Hilfe. The browser address bar shows the URL: <https://app.mural.co/t/mulresourcing1327/m/mulresourcing1327/1602766502865/04e7d2deea8854daceb6b6f9e48ed>. The main workspace is titled "Roadmap" and features a table with columns for the years 2030, 2040, and 2050, and rows for the categories Environmental, Social, and Economic. Sticky notes labeled "SDGs" are placed in the 2030 column for each category. A green circle highlights the "100% renewables" note in the 2050 Environmental cell. A sidebar on the left contains various tool icons, with a yellow circle highlighting the "New" icon. In the bottom right corner, a zoom control panel is visible, showing a zoom level of 22% and a "Zoom settings" button. The Windows taskbar at the bottom indicates the time as 18:26 on 18.10.2020.

	2030	2040	2050
Environmental	SDGs		100% renewables
Social	SDGs		
Economic	SDGs		



Roadmap Development

- Step 1: Brainstorming
 - What do we need to achieve by 2050? What is our vision?
- Step 2: Setting Priorities
- Step 3: What are milestones and target timeline for the vision?
 - Timeline 2030, 2040, 2050
 - Environmental, Social and Economic Milestones



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THANK YOU
for your attention!



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Stefanie Degreif
Öko Institut e.V.

Katharina Gugerell
*Montanuniversität
Leoben*

Coordinated by:
Vienna University of Economics and Business,
Institute for Managing Sustainability
Welthandelsplatz 1A
1020 Vienna
Phone: +43-1-31336-5452
Email: info@re-sourcing.eu

www.re-sourcing.eu



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