



re-sourcing

Renewable Energy Roadmap Workshop

# Manufacturing of Wind Turbines & Solar PV Modules

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N° 869276



## 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



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## Feedback D4.1

Challenges

Standards

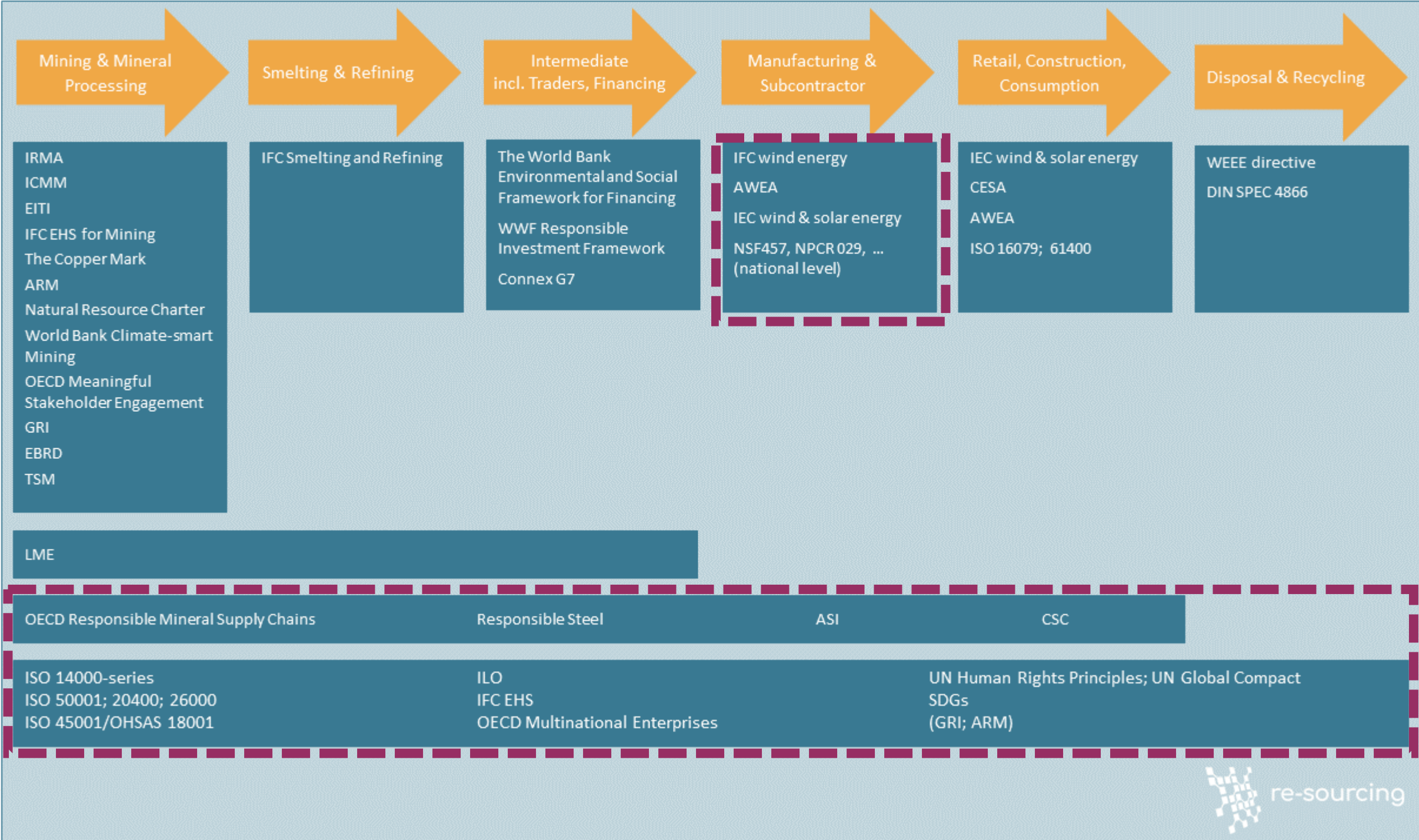
Vision

Gap Analysis

## Challenges – Manufacturing



- Wind Turbines & Solar PV modules
- Human Rights
  - Renewable Energy Benchmark
- Environmental Impact
  - Energy consumption
  - GHG emissions
  - Use of chemicals
  - Resource efficiency
- Health & Safety



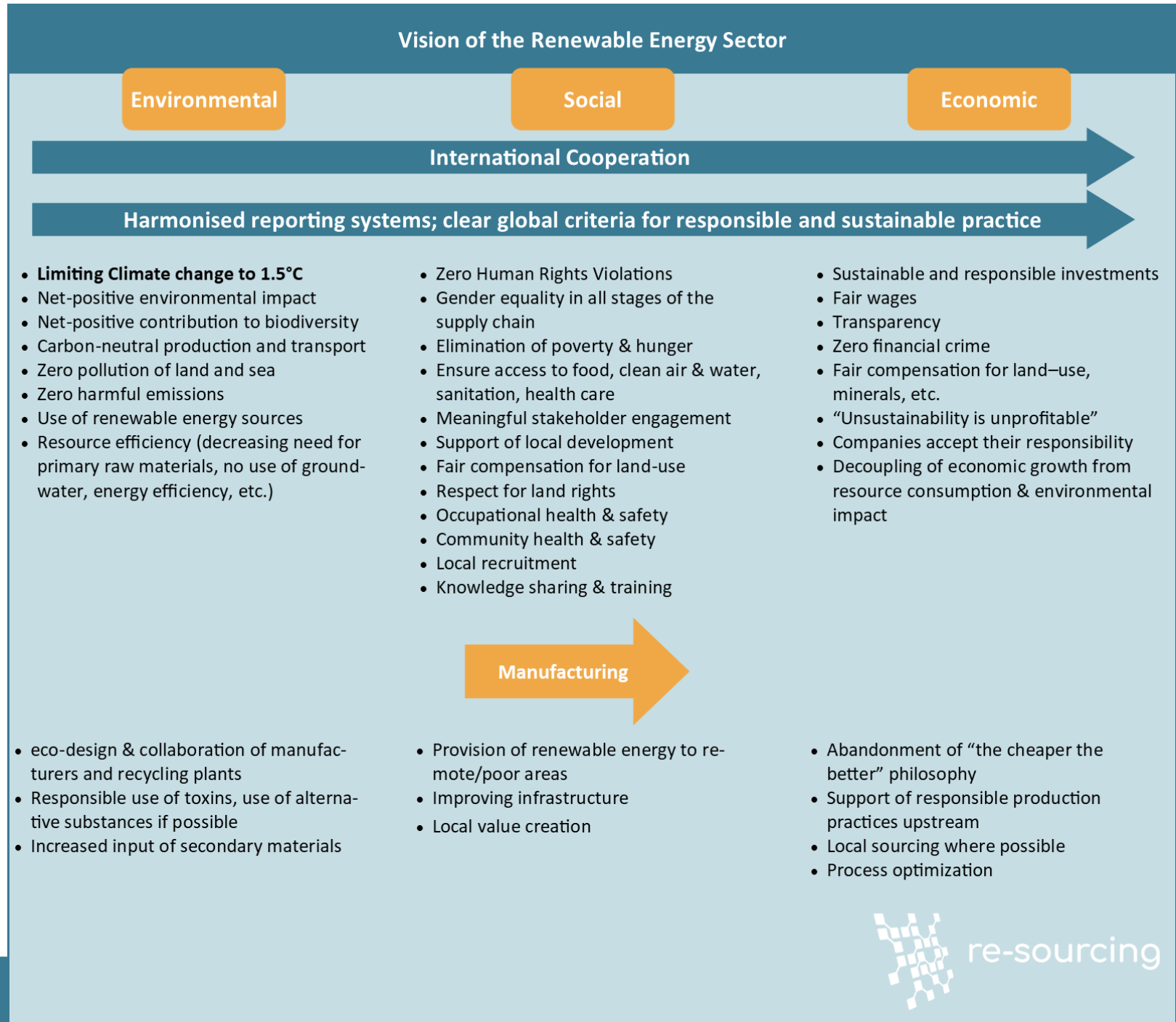


## Questions

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



# Vision





## Gap Analysis

- International Frameworks
  - EHS
  - Procurement – ISO enough?
- Environmental sustainability
- Resource Efficiency





## Questions

- Are you aware of any new standards/initiatives currently being developed?
  - AWEA – only for US, model for international framework?
  - EU Ecodesing, Energy Label, etc.
  - Others?
  - Can they cover some of the gaps?
- What do you think is the most important gap that needs to be addressed?

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## Roadmap Development



# Roadmap Development

- Mural, i.e. virtual whiteboard
- Link in chat:  
<https://app.mural.co/t/mulresourcing1327/m/mulresourcing1327/1603361412287/3e34cf4347e3ed1be3889a323e9c414828f4d777>
- 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 Environmental, Social, and Economic categories. Sticky notes labeled "SDGs" are placed in the 2030 column for each category. A green circle highlights a sticky note in the 2050 column under the Environmental category, which contains the text "100% renewables". A zoom control panel in the bottom right corner shows a zoom level of 22% and a "Zoom settings" button. The interface also includes a toolbar on the left with various icons for editing and navigation, and a status bar at the bottom with system icons and the time 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?
    - Benchmark 2030 – SDGs, is that enough?
  - What are milestones that need to be implemented by 2050?
  - What is missing from a responsible supply chain?
- Step 2: Setting Priorities
- Step 3: Organising in Timeline
  - Urgency
  - Timeline 2030, 2040, 2050
  - Environmental, Social and Economic Milestones
  - Vision 2050
    - Suggestion – 100% Renewables
    - What else?



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THANK YOU  
for your attention!



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