

The logo for the Energy Modelling Platform for Europe (EMP) features the letters 'EMP' in a bold, white, sans-serif font, flanked by three horizontal white bars on each side, all set against a dark green rectangular background.

EMP

Energy Modelling
Platform for Europe

Focus Group 2: Circularity, use of raw material

October, 6 2020
(13h30 – 15h CET)

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RECORDING

Google Chrome

Focus Group 2: Circularity, use of raw material

13h30 – 13h40 – Welcome and introduction to the FG2 session. Chair: Laura TALENS PEIRÓ (ICTA-UAB, EU project SENTINEL - <https://sentinel.energy/>)

What is your motivation to join FG2 – ‘Circularity and Raw materials’ in energy system modelling?

‘Technology that can save us from our all of our problems based on raw materials not suffice for applying this tech in all countries’

I have previous experience with that, having developed a 'multi-layer energy modelling methodology' which seeks at integrating (in short) energy system modelling with Input-Output methods

Systematic approaches to address non-intended consequence

Emerging policy area (H2020 EUCalc)

Explore synergies between decarbonisation and circularity

I model waste and wastewater management systems at a global level and evaluate the impact of the circular economy framework in the reduction of extraction of raw materials

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Do you know of any Energy System Model that includes ‘raw materials’ as part of their model? If yes, could you please explain in more detail, how are ‘raw materials’ are integrated (e.g. scenario, or input assumption, resulting impacts...)

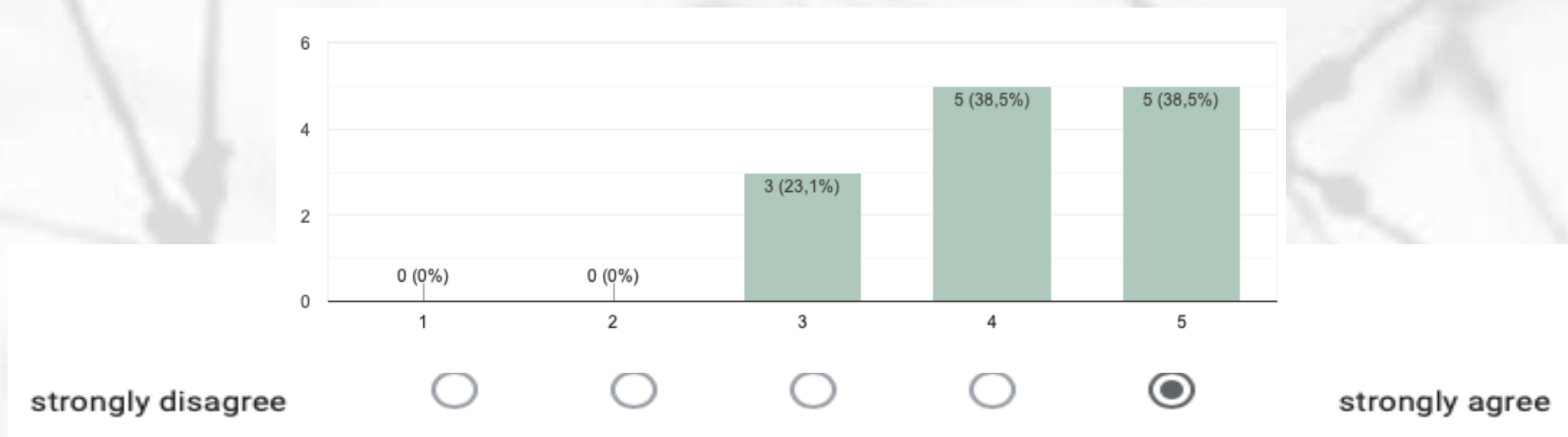
- **77% of the participants didn't know**
- 15% of the participants refer to use an energy system combined with Input-Output tables
- 8% refer to the project- EU Calculator: trade-offs and pathways towards sustainable and low-carbon European Societies - EUCalc

<http://tool.european-calculator.eu/>

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From 1 (strongly disagree) to 5 (strongly agree) how do you relate to the following sentence: issues on **'circularity'** must be included in currently existing energy system models



'This allows for a complete picture and helps obtain more meaningful results.'

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13h40 – 14h00 – 2020 list of CRMs for the EU and JRC foresight study on CRMs in strategic sectors. Prof. Gian Andrea BLENGINI (DG JRC).



Gianandrea BLENGINI

14h00 - 14h10 – Mineral requirements associated to energy transitions: the MEDEAS approach to identify availability risks. Íñigo CAPELLÁN-PÉREZ (Universidad de Valladolid, EU project MEDEAS and EU project LOCOMOTION - <https://www.locomotion-h2020.eu/>).



Íñigo CAPELLÁN-PÉREZ

14h10 – 14h20 – Development of an environmental and Bio-economic assessment for Energy System models: the case of ENVIRO. Cristina MADRID LÓPEZ (ICTA-UAB, EU project SENTINEL - <https://sentinel.energy/>).



Cristina MADRID LÓPEZ

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Q&A: www.slido.com code: #EMP_E2020



Laura TALENS PEIRÓ
Researcher at Institut de
Ciència i Tecnologia
Ambientals (ICTA-UAB)



Gianandrea BLENGINI
Team Leader on Raw Materials
European Commission DG JRC



Íñigo CAPELLÁN-PÉREZ
Researcher at Universidad
de Valladolid
Project LOCOMOTION



Cristina MADRID LÓPEZ
Researcher at Institut de
Ciència i Tecnologia
Ambientals (ICTA-UAB)

Focus Group 2: Circularity, use of raw material

14h20 -14h50 Discussion in groups using MIRO® (you must have received an e-mail with a link)

Group A: Data availability to account for raw materials and circularity in Energy System Models (Moderator: **Nicholas MARTIN**)

Link to Be2Match: <https://app.eyeson.team/?guest=zbHHFhrCMpKt8YMCKZi6UL9o>

Link to MIRO: https://miro.com/app/board/o9J_kj29G7I=/

Group B: Computation of raw materials and circularity in Energy system models (Moderator: **Íñigo CAPELLÁN-PÉREZ**)

Link to Be2Match: <https://app.eyeson.team/?guest=a6F4iyolvGmpSS85E3H8SILc>

Link to MIRO: https://miro.com/app/board/o9J_kj2-CZ8=/

Group C: Policy harmonization to ensure a sustainable and just energy transition (Moderator: **Cristina MADRID LÓPEZ**)

Link to Be2Match: <https://app.eyeson.team/?guest=2JO120nNPk8ArloeXjKo4pTZ>

Link to MIRO: https://miro.com/app/board/o9J_kj29Gb8=/

Group D: Implementation of Circular Economy strategies in Energy System models (Moderator: **Laura TALENS PEIRÓ**)

Link to Be2Match: <https://app.eyeson.team/?guest=3bwW2UzwaqixpZJ2qHN4DSRs>

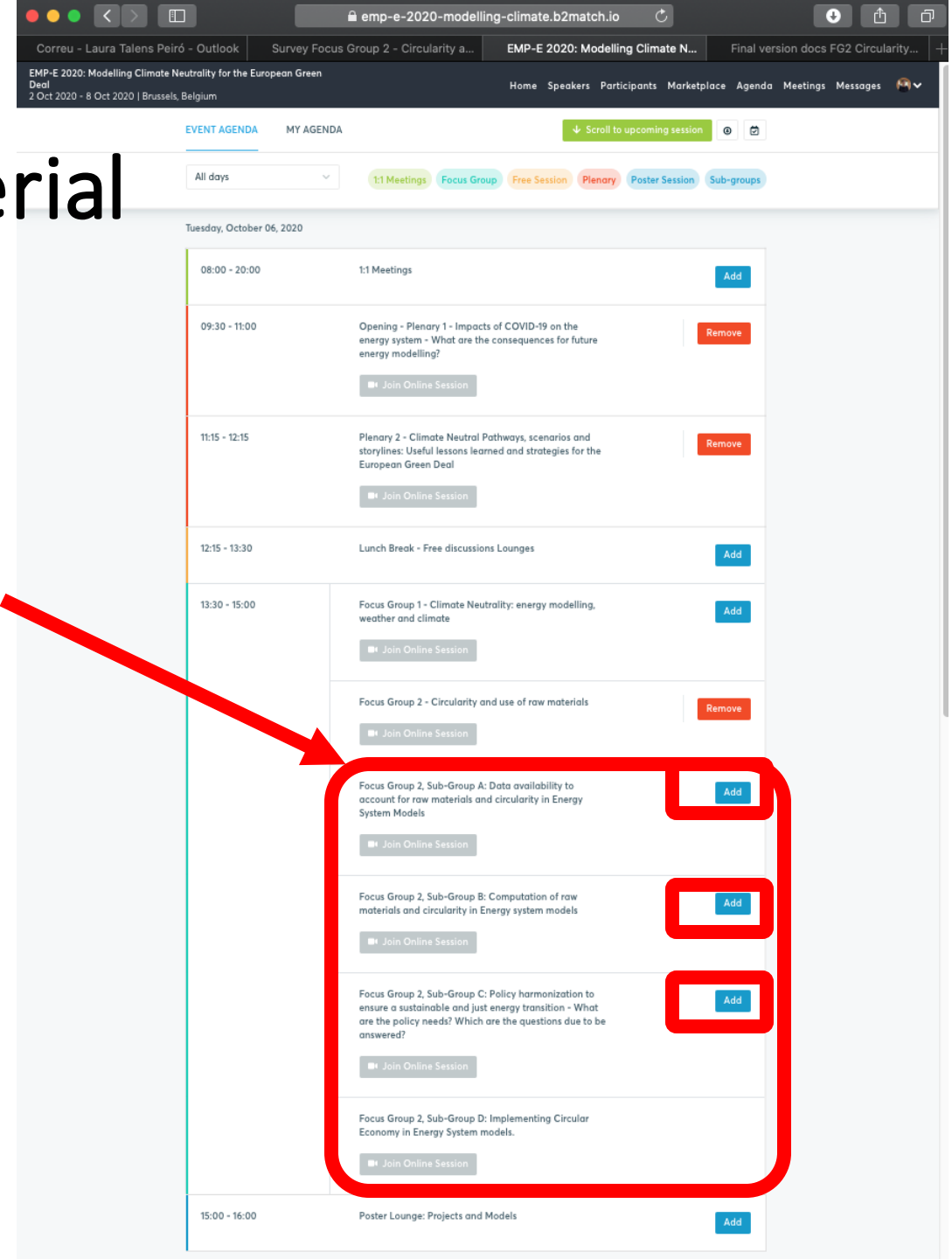
Link to MIRO: https://miro.com/app/board/o9J_kj273bg=/



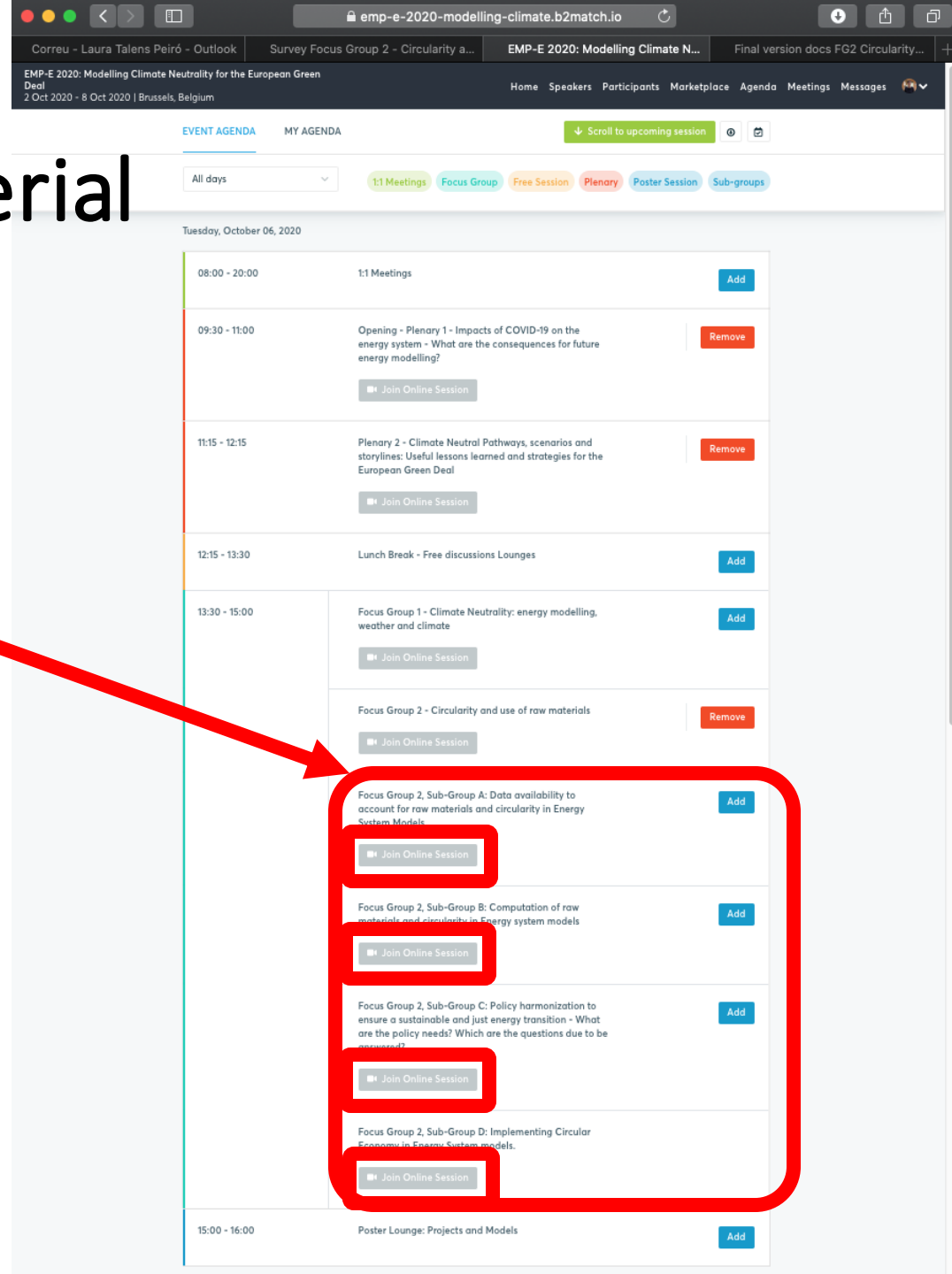
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Access the **FG2 sub-groups session**

- Go to the conference website <https://emp-e-2020-modelling-climate.b2match.io>
- Log in
- Go to Agenda
- Please add (if it is not done yet) the subgroup you would like to join (if spots are available)
- Then Click on the subgroup you are registered



Focus Group 2: Circularity, use of raw material



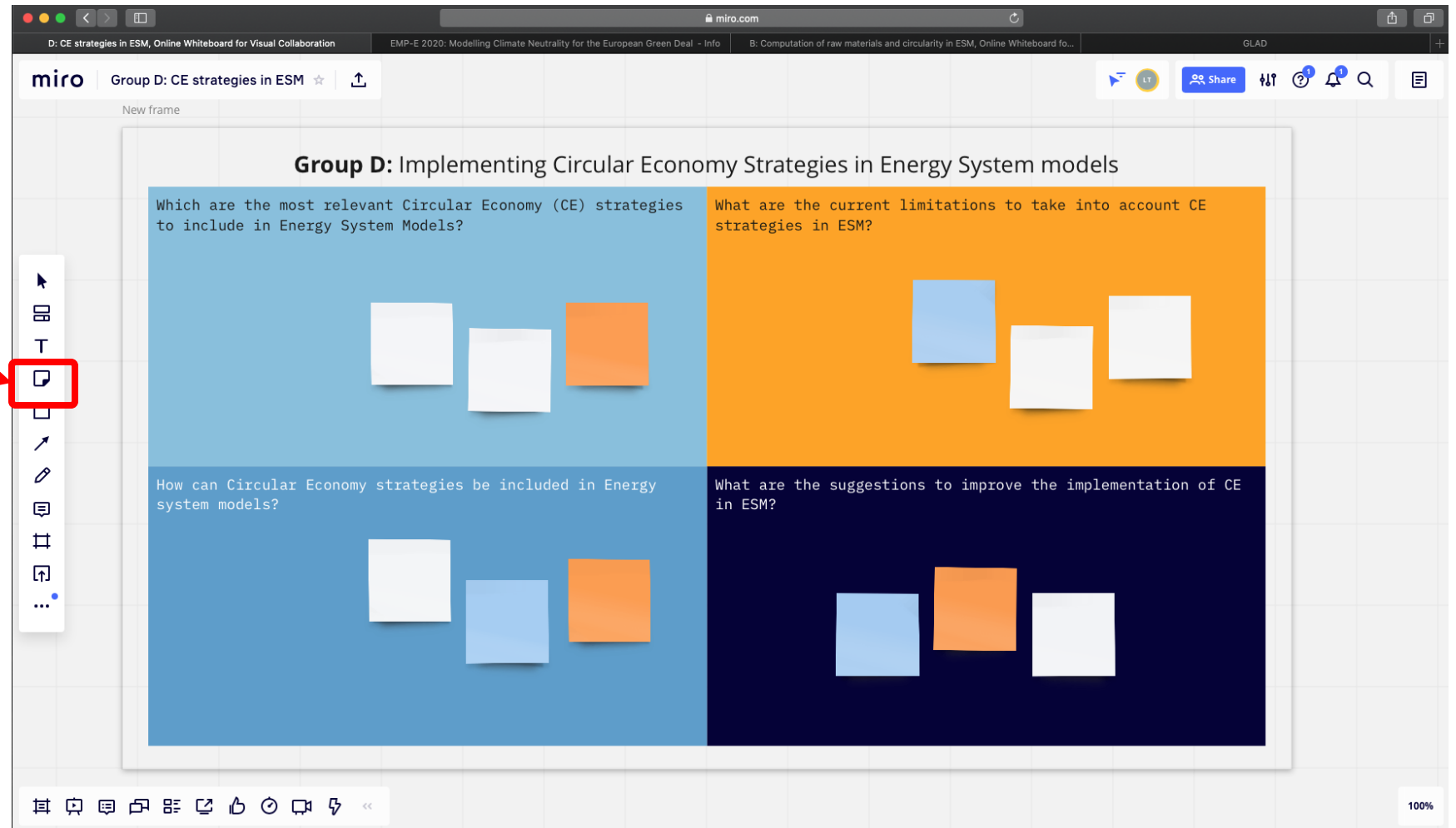
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Link to MIRO: https://miro.com/app/board/o9J_kj273bg=/

Participants can
edit and add
stickers with their
comment



The screenshot shows a Miro online whiteboard interface. The title is "Group D: Implementing Circular Economy Strategies in Energy System models". The board is divided into four quadrants, each with a different background color and a specific question:

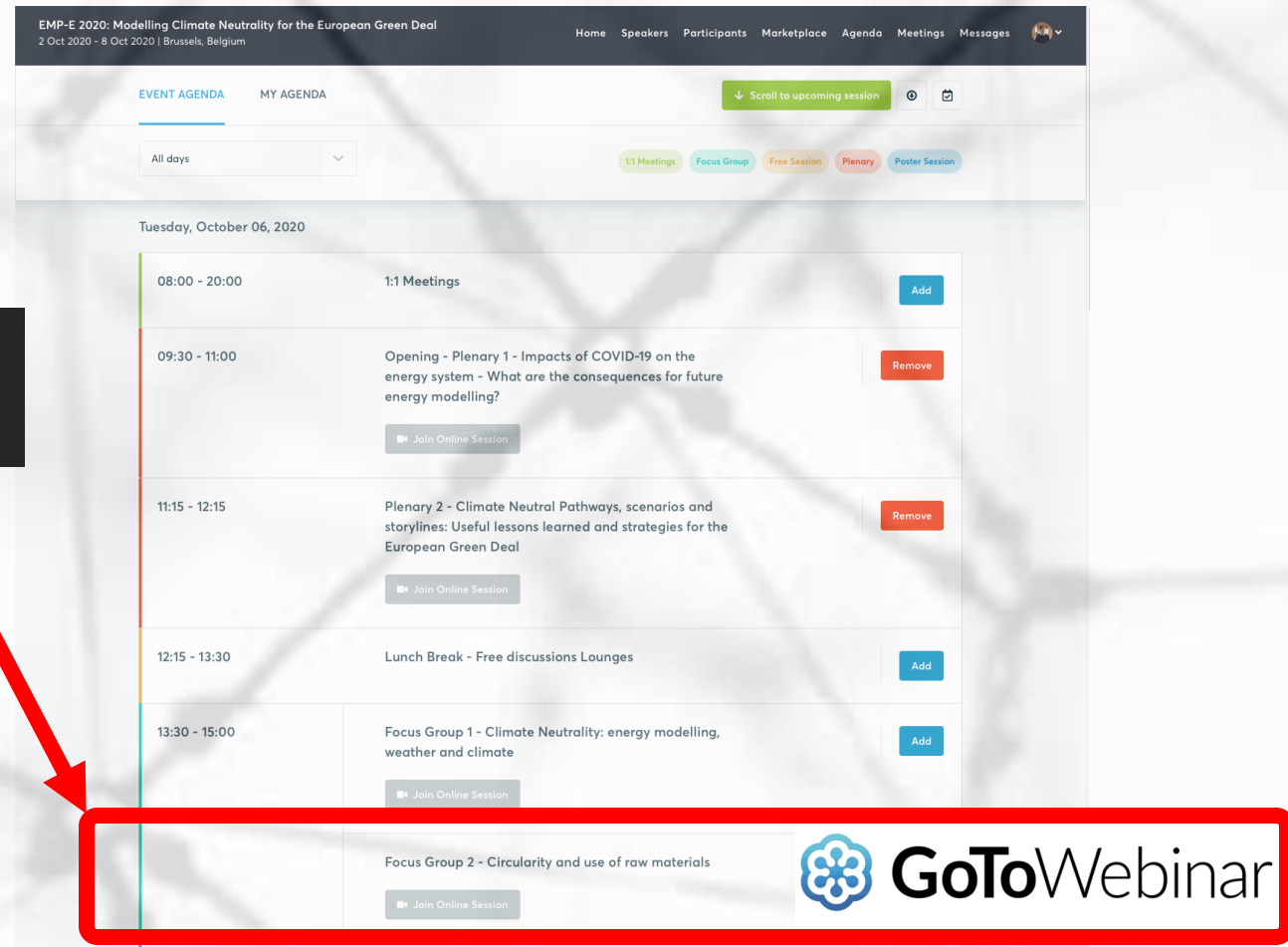
- Top-Left (Light Blue):** "Which are the most relevant Circular Economy (CE) strategies to include in Energy System Models?"
- Top-Right (Orange):** "What are the current limitations to take into account CE strategies in ESM?"
- Bottom-Left (Medium Blue):** "How can Circular Economy strategies be included in Energy system models?"
- Bottom-Right (Dark Blue):** "What are the suggestions to improve the implementation of CE in ESM?"

Each quadrant contains several sticky notes of various colors (white, light blue, orange). A red arrow points to the "Add Sticker" icon in the left-hand toolbar.

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14h50-15h *Wrap up from groups and closing of the session. Chair:
Laura TALENS PEIRÓ (ICTA-UAB)*

Access the session, please visit YOUR AGENDA
<https://emp-e-2020-modelling-climate.b2match.io/>



EMP-E 2020: Modelling Climate Neutrality for the European Green Deal
2 Oct 2020 - 8 Oct 2020 | Brussels, Belgium

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EVENT AGENDA MY AGENDA

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All days

1:1 Meetings Focus Group Free Session Plenary Poster Session

Tuesday, October 06, 2020

08:00 - 20:00	1:1 Meetings	Add
09:30 - 11:00	Opening - Plenary 1 - Impacts of COVID-19 on the energy system - What are the consequences for future energy modelling?	Remove
	Join Online Session	
11:15 - 12:15	Plenary 2 - Climate Neutral Pathways, scenarios and storylines: Useful lessons learned and strategies for the European Green Deal	Remove
	Join Online Session	
12:15 - 13:30	Lunch Break - Free discussions Lounges	Add
13:30 - 15:00	Focus Group 1 - Climate Neutrality: energy modelling, weather and climate	Add
	Join Online Session	
	Focus Group 2 - Circularity and use of raw materials	Add
	Join Online Session	

GoToWebinar

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