

Circular & Sustainable Materials in 2050

*Joint 4TU.HTM & M2i Workshop in
collaboration with the LDE Centre for Sustainability*

20 January 2022 (via Teams)
[information & registration](#)

Aim of the workshop

A sustainable future requires not only an energy transition, but also a *materials transition* in the coming three decades. The transition towards sustainable production and consumption of materials, over the whole materials life cycle, requires huge investments, fundamental and applied research and technology development, as well as political and societal support and motivation. Materials science and engineering will play a crucial role in developing the technologies and materials that are needed to achieve a transition to a carbon neutral and circular society.

In this joint workshop 4TU.HTM, M2i and the LDE Centre for Sustainability aim to bring together a wide range of scientists to share their knowledge on what this future society will look like and how materials science and engineering can help to achieve a sustainable future. We aim to increase awareness of the importance of materials amongst colleagues and students from relevant scientific fields. Therefore, we invite everyone to attend this workshop, which will be held on a location in Utrecht, providing connections to attend online.

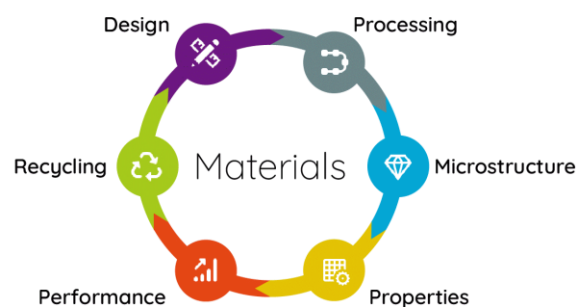


Image: Materials Science & Engineering, 3mE, TU Delft

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13.00	Welcome
13.00 - 13.10 (10 min)	Introduction Arjan Mol (scientific director 4TU.HTM) Materials Science and Engineering, 3mE, Delft University of Technology
13.10 - 13.30 (20 min)	René Kleijn (Leiden) / Benjamin Sprecher (Delft) <i>Towards circular and sustainable materials in 2050</i> <u>Chair: René Kleijn (Leiden)</u>
13.30 - 13.50 (20 min)	Matthéüs van de Pol (Economic Affairs and Climate) <i>Circular Manufacturing Industry</i>
13.50 - 14.10 (20 min)	Conny Bakker (Delft) <i>Design for the Circular Economy</i>
14.10 - 14.30 (20 min)	Peter Rem (Delft) <i>Materials Separation, and the Recycling of Concrete</i>
14.30 - 14.40	10 minute break
14.40 - 15.00 (20 min)	Bernard Dam (Delft) <i>Materials for the hydrogen economy: from smart windows to hydrogen sensors</i> <u>Chair: Arjan Mol (4TU.HTM / TU Delft)</u>
15.00 - 15.20 (20 min)	Antoni Forner Cuenca (Eindhoven) <i>The importance of materials science for redox flow batteries</i>
15.20 - 15.40 (20 min)	Karin Molenveld (Wageningen) <i>Sustainable plastics based on renewable raw materials</i>
15.40 - 16.00	Discussion & closure

More information & registration >>

[Joint Workshop Circular & Sustainable Materials in 2050 \(online\)](#)