Sustainability & Circularity driven by 2D-materials

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The transformation into a sustainable society requires new thinking on many levels. We need to use less resources and reuse materials and products that are already in use. 2D-materials offer possibilities for more sustainable alternatives in many areas e.g. less material use due to additional strength, substitution of rare metals with more sustainable alternatives, reduced energy use, improved recyclability and longer product lives by increased wear resistance.

The Graphene Flagship was funded to ensure that Europe would maintain its lead in graphene research and innovation following the scientific breakthrough of graphene's isolation at the University of Manchester in 2004. This presentation will showcase some of the advances developed through the Graphene Flagship that will contribute to a sustainable future and circular material flow.

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