

JRC Dataset

Assessment of critical materials in wind power, photovoltaic and electric vehicle technologies

Description:

This dataset comprises a set of data indicators used for evaluation of the EU resilience to potential bottlenecks in the supply chain of key materials required in wind power, photovoltaic and electric vehicle technologies.

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Keywords:

critical materials, electric vehicles, low-carbon technologies, solar photovoltaic, supply chain, wind turbines

Related resources:

Data access

Critical materials in low-carbon technologies

This link provides a quantitative indication of the EU resilience regarding the supply of materials relevant for the deployment of wind power, photovoltaic and electric vehicles within the 2030 time frame. The analysis is based on a comprehensive methodology, which comprises a set of 11 indicators aggregated in two dimensions: upstream and downstream.

<https://setis.ec.europa.eu/critical-materials-in-low-carbon-technologies>

Publications

Assessment of potential bottlenecks along the materials supply chain for the future deployment of low-carbon energy and transport technologies in the EU: Wind power, photovoltaic and electric vehicles technologies, time frame: 2015-2030

Blagoeva D; Alves Dias P; Marmier A; Pavel C. Assessment of potential bottlenecks along the materials supply chain for the future deployment of low-carbon energy and transport technologies in the EU: Wind power, photovoltaic and electric vehicles technologies, time frame: 2015-2030 . EUR 28192 EN. Luxembourg (Luxembourg): Publications Office of the European Union; 2016. JRC103778

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