

Zirkuläre Innovationen im Bereich Bauen in Berlin

Potenziale und Governance-Ansätze

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The innovation field of construction is a resource-relevant field in Berlin – in 2017, the construction sector accounted for about 22 percent of the raw material input of the state of Berlin. Currently, the recycling rate for mineral construction waste is around 50 percent, and is expected to increase to more than 60 percent by 2030. Circular economy approaches in the field of construction have to cover the entire life cycle: from the design of durable and deconstructable structures to the use-phase and material-preserving re-use to circular business models.

Against this background, this study examines different approaches and business models in the practices of lifecycle design, service life extension, use intensification and material re-use by means of literature analysis and supplementary inter-views. Different, existing approaches and business models of different actors in Berlin are presented and barriers are identified that hinder a transformation to-wards circular construction (e.g. low demand and higher costs for circular approaches or insufficient qualification). Based on an analysis of relevant governance components (e.g. existing legal regulations and green public procurement), development perspectives for circular construction in Berlin are then given.

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