

# INTEGRAL - Mineral waste in urban and rural areas: New concepts for a closed-loop economy

## Stadt-Land-Plus: Achieving more together for strong urban-rural partnerships

### Motivation

Construction and demolition waste represents the largest material flow of the waste volume in Germany and therefore plays a key role in a modern closed-loop economy. Often, rural areas show high rates of demolition of existing buildings, whereas urban centres have an increased demand for material resources due to disparate development pressures. Both trends lead to a utilization of natural resources in rural areas and thus to land take without sustainable compensation.

### Goals and approach

INTEGRAL strengthens rural-urban relations by developing a sustainable recycling management for mineral construction waste fractions. An efficient material flow management on the basis of the decision support tool to be developed will reduce inefficient extraction of primary raw materials for natural granulations and meet the goal of sustainable, efficient and resource-saving land management. The approaches and options for action demonstrated in the project regions are exemplary in character.

### Expected results and transfer

Both the exemplary consideration of construction residues in the region of Dresden / Meißner County and the reuse of this economic resource „secondary raw material“ support utilization of existing regional interdependencies and compensation of inequalities in settlement dynamics. In addition, there is the opportunity to develop the status quo of land use towards sustainable land management through more efficient infrastructural interdependence and thus to advance the protection of land ecosystems.



Active reuse instead of landfilling

**Funding initiative:** Stadt-Land-Plus

**Project title:** INTEGRAL – Integrated concept for mineral waste and land management for sustainable development of urban-rural relations

**Duration:** 2020–2023 (Phase 1) 2023–2025 (Phase 2)

**Funding code:** 033L223

**Funding:** 1,898,022 €

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**Internet:** [integral-info.de](http://integral-info.de)

**Published by:** Bundesministerium für Bildung und Forschung/Federal Ministry of Education and Research (BMBF) | Division Resources, Circular Economy; Geosciences | 53170 Bonn, Germany

**September 2020**

**Editing and layout:** Project Management Jülich (PtJ), Forschungszentrum Jülich GmbH

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