PREDICTING FUTURE WASTE AMOUNTS FROM DEMOLITION ACTIVITIES IN VIENNA

Introduction

Huge material stocks accumulate in cities, with buildings contributing greatly to this stocks. Moving towards a circular economy buildings should be considered a source for future secondary raw materials. To strategically plan and recover waste from demolition activities, the characterization of the material stock of buildings, and the projection of the available material quantities are required.

Objectives

- 1. Characterize the material composition of different building types
- 2. Analyze the building structure of all buildings
- 3. Combine 1. & 2. to evaluate the total material stock in buildings
- 4. Estimate the material output from demolition activities

Method



Result

