

Creation of a network for circular economy

How to close the loop of selected materials?

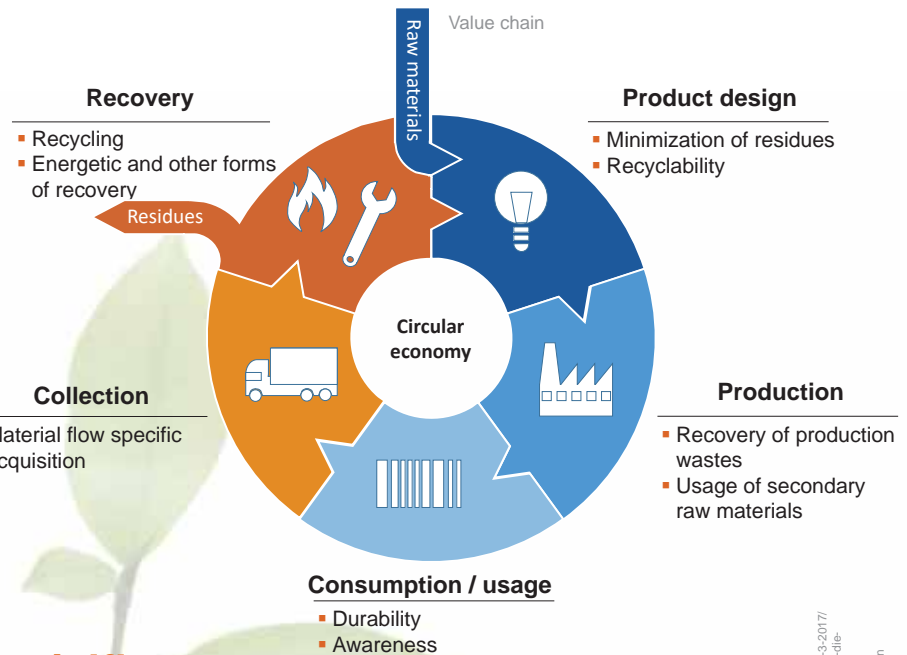
Project duration: 07/17–12/20

Background

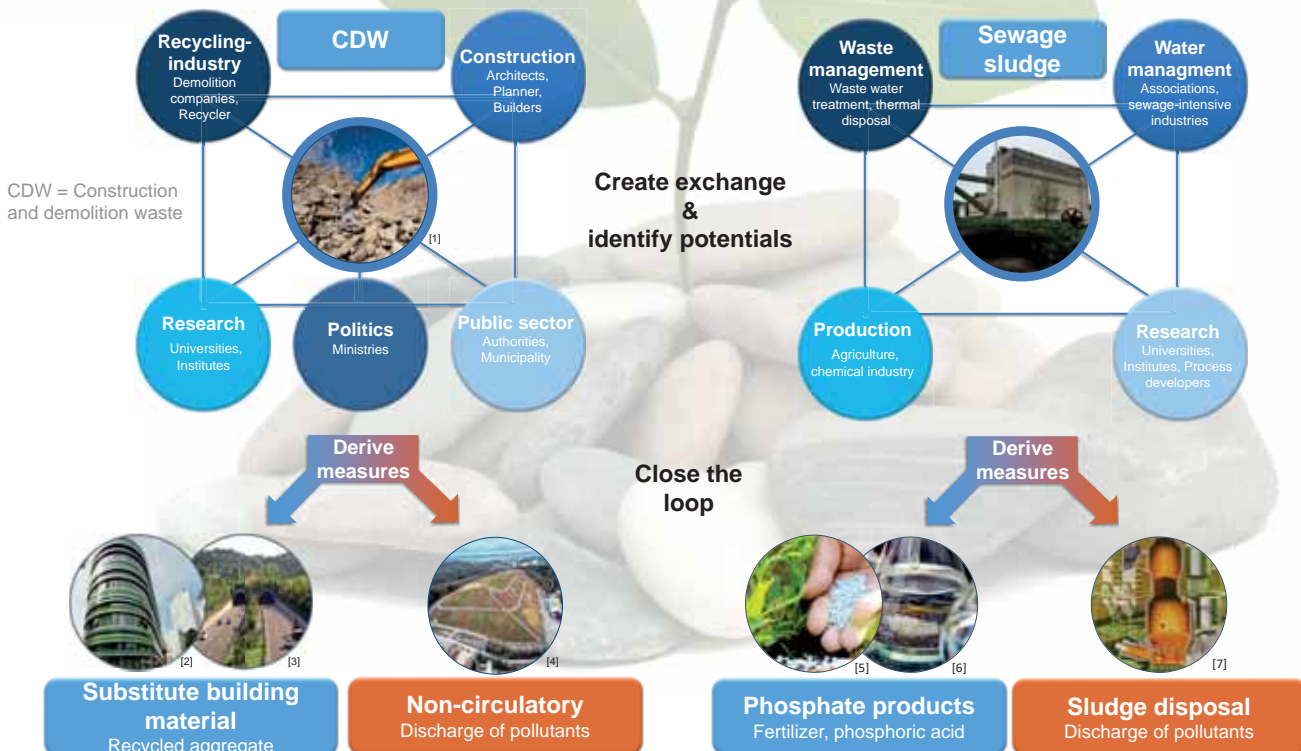
Increasing resource consumption and a growing shortage of raw materials are confronting our environment with increasing challenges. In order to protect the environment and at the same time ensure sustainable economic growth, decoupled from the extraction of primary raw materials, a rethinking of the use of resources is necessary. Following the European Commission’s “Circular Economy Action Plan”, the research project "Netzwerk Zirkuläre Wertschöpfung :metabolon" deals with creation of a network which aims the closure of material cycles and cascade use for selected material flows in North Rhine-Westphalia.

Methodology

- Investigation of material flows for recyclability
- Involvement of partners from industry, politics and research to identify recycling potentials
- Development and setting of research priorities
- Joint derivation of measures to strengthen closed-loop circulation
- Transferring results into actual practice



Materialflows



Sources:
 [1] Bundesverband Baustoffe – Steine und Erden e. V.
 [2] www.daserste.de/information/wissen-kultur/wie-wissen/recyclingpaten-100.htm
 [3] Bundesanstalt für Straßenwesen, Sicherheit geht vor
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 [6] www.lebensbausteine.ch/rimages/raumuerdchworkshop2.jpg
 [7] Thome-Koehnensky, K.: Planung von Abfallbehandlungsanlagen
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 www.lebensbausteine.ch/rimages/raumuerdchworkshop2.jpg



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