

# New economical model for the development of the projects on the former metallurgical sites



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- 1. Need of new economical model (business model)
- 2. Business model methodology
  - 2.1 Objectives
  - 2.2 Strategy
- 3. NWE-REGENERATIS project and business model
- 4. Business model structure
- 5. Cost benefits analyses



## 1. Need of new economical model/business model





MATERIAL ECONOMICS

Forecasts of steel, plastics, aluminum, and cement needs by 2100 (source: Materials Economics)



#### 2.1 Business model objectives







### 3. NWE-REGENERATIS project methodology (REMICRRAM) and business model









### 5. Cost benefits analysis



#### Cost

Total cost for PMSD content characterization Total cost for material recovery pre-operations Total cost for material recovery operations Total cost for Ecocatalysts production (pilot test) Total for other expenditures Total cost for material transport Total cost for site restoration after material recovery operations Total cost for Ecocatalysts production (if pilot test is conclusive) *Unforeseen cost (10%)* 

Grand total for whole urban mining project (expenditures)



Total revenue from metals, minerals, materials, and soil recovery

Total revenue from energy recovery

Total revenue from land recovery

Total for other revenues/benefits

Grand total for whole urban mining project (revenues)













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# Do you have any questions?

https://www.nweurope.eu/REGENERATIS/