



EUROPEAN RESEARCH & INNOVATION DAY S

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DuRSAAM Green Concrete for Sustainability

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Alkali Activated Materials A GREEN SOLUTION TO OPC?



Availability of traditional precursors is deminishing in Europe, therefore ther is a need to explore alternative materials.





Municipal solid waste incineration ashes are being examined as alterantive precursors with increasing supply.



MSWI bottom ashMineral wool wasteImage: Strain Str



Source: Scarlat et al., 2019

Source: Eurostat

Landfill costs in Europe can be avoided by valorising waste materials in AAM technolgy.

Current imports of concrete in Europe equal 400 Mill. EUR. Production and supply of AAMs will contribute to economic growth within Europe.



Source: EEA, 2013

Source: Tradeeconomy

Within Circular Economy, AAM technolgy fosters industrial symbiosis and creates new business opportunities.



Source: Charles et al., 2018

