URBAN RESILIENCE PLATFORM

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Haul it All!

How planning and optioneering can reduce negative impacts of large scale material movements; from Aleppo to Brussels.



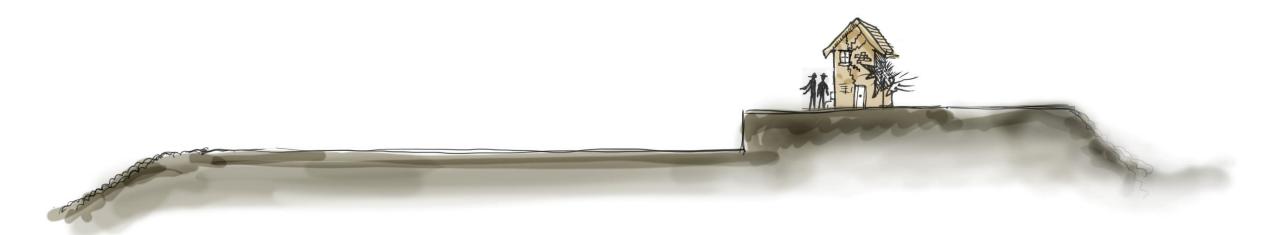


Yes.

URBAN RESILIENCE PLATFORM

Debris Recycling: Damaged Buildings

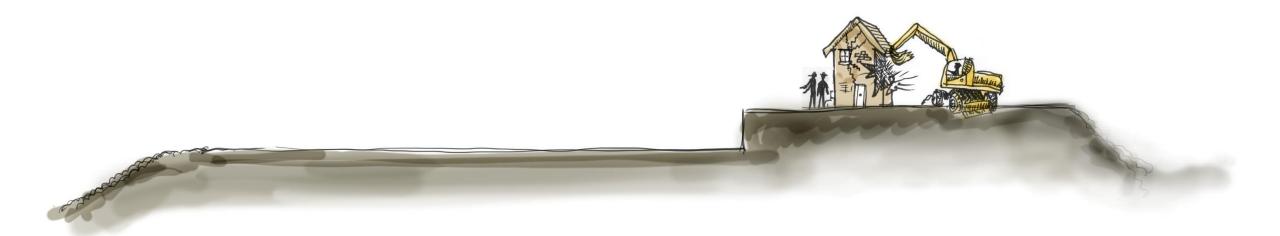




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Demolition of Damaged Buildings

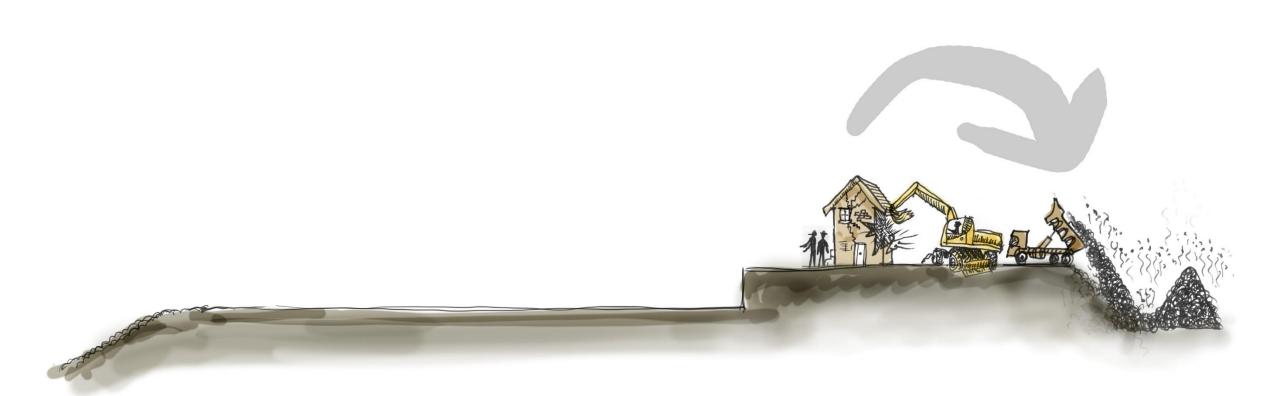




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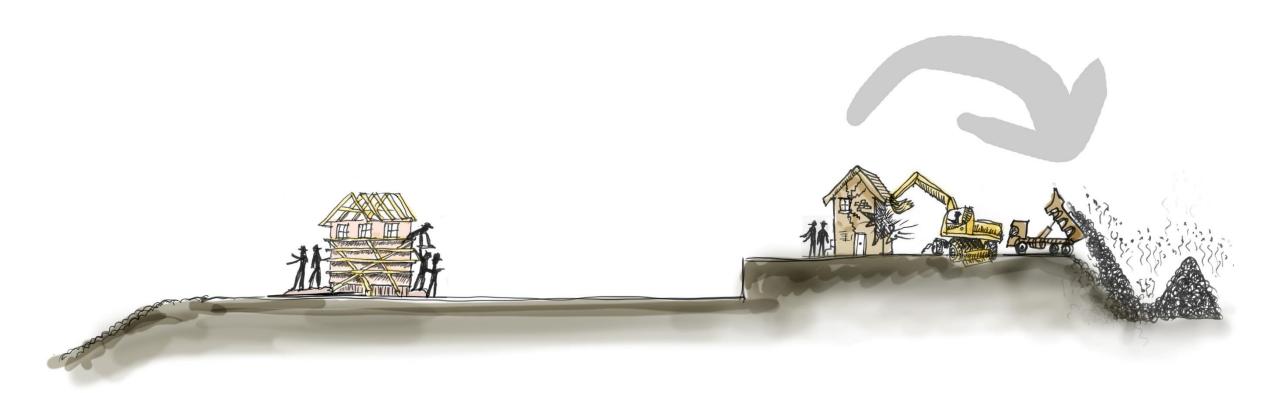
Disposal of Demolition Debris





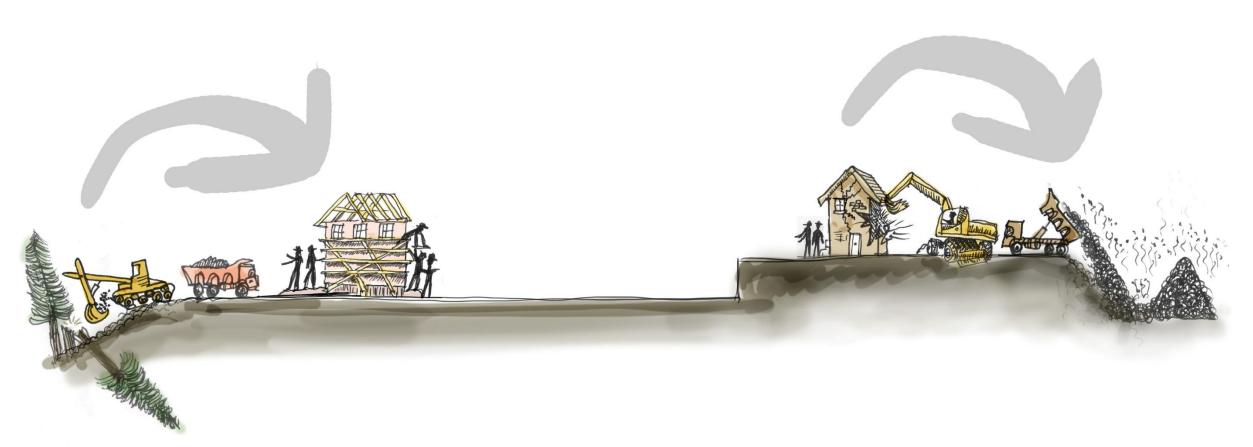
Reconstruction and Rehabilitation





Supply of (Re)Construction Materials





Missing Link: Debris Recycling





Optimal Debris Recycling



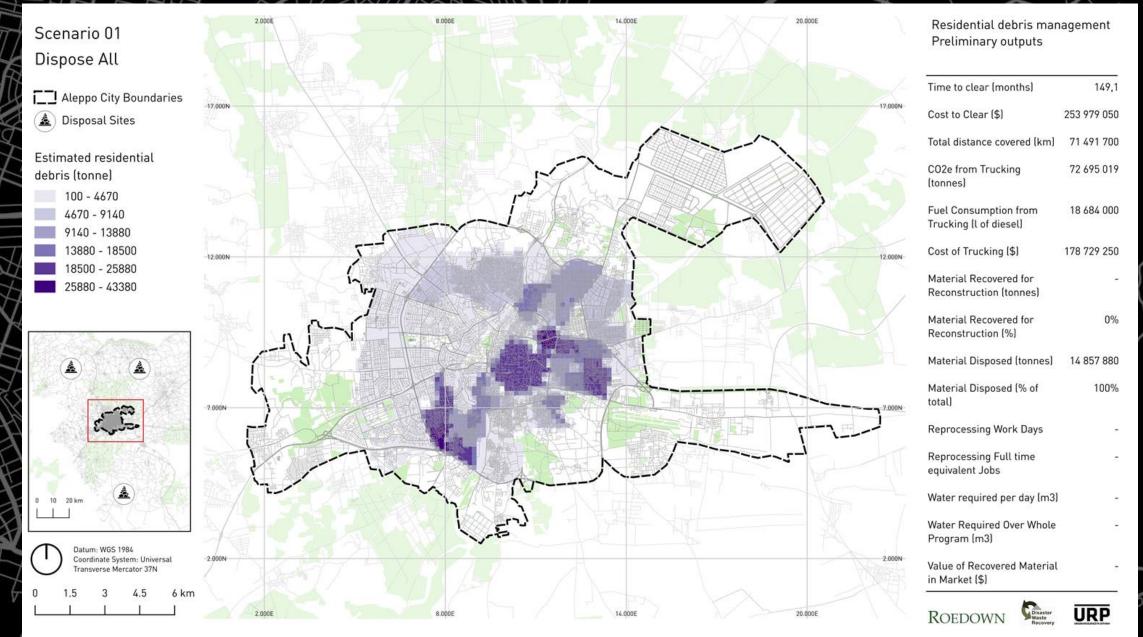


A case study of Aleppo, Syria: Data from February 2017

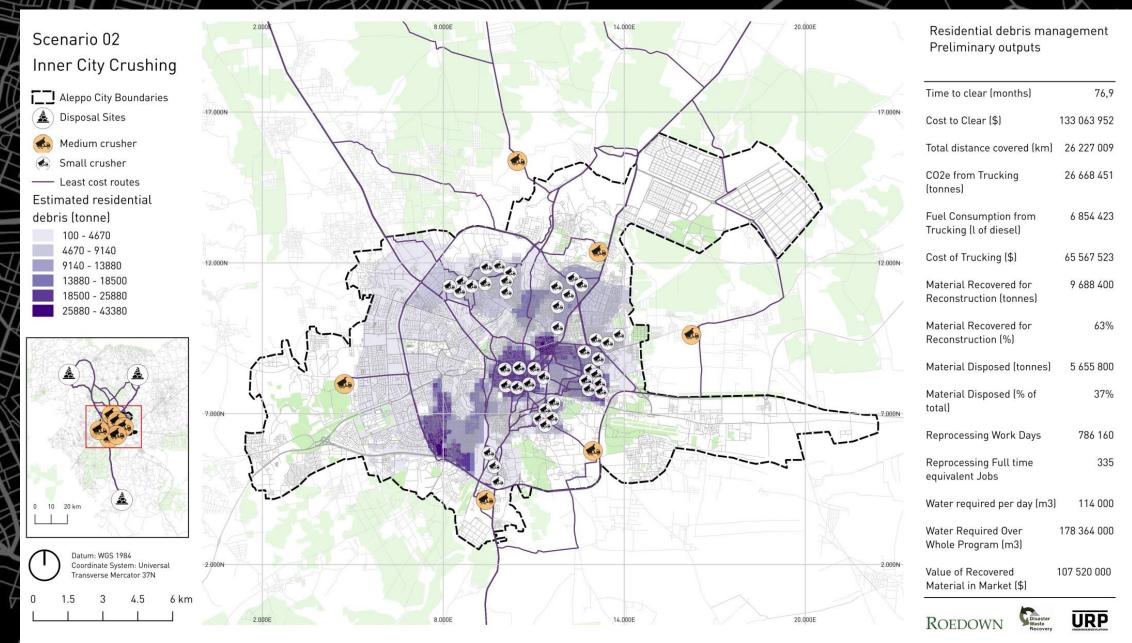




Aleppo: Debris Scenario 1 Haul it'all

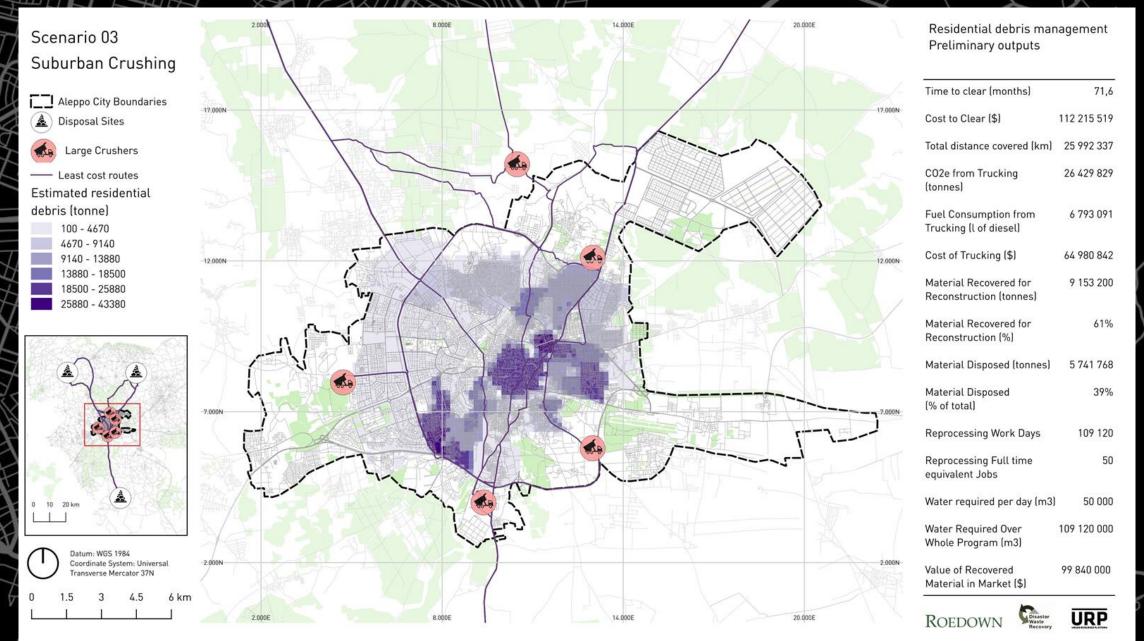


Aleppo: Debris Scenario 2 Localised Recycling





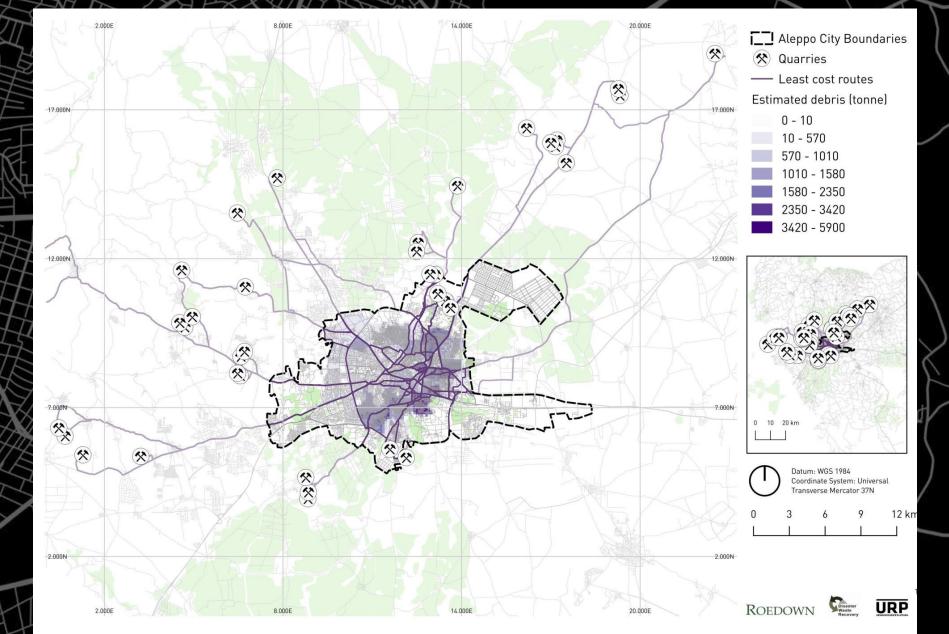
Aleppo: Debris Scenario 3 Centralised Recycling

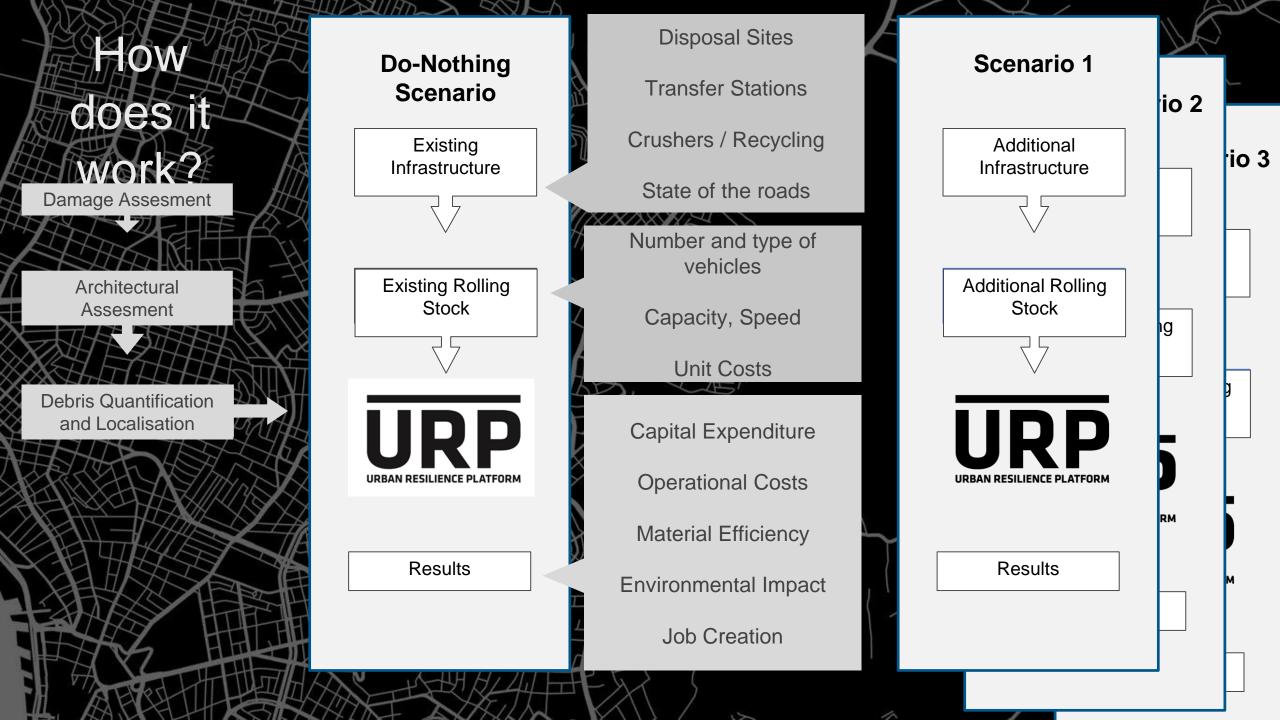




Aleppo: Quarries





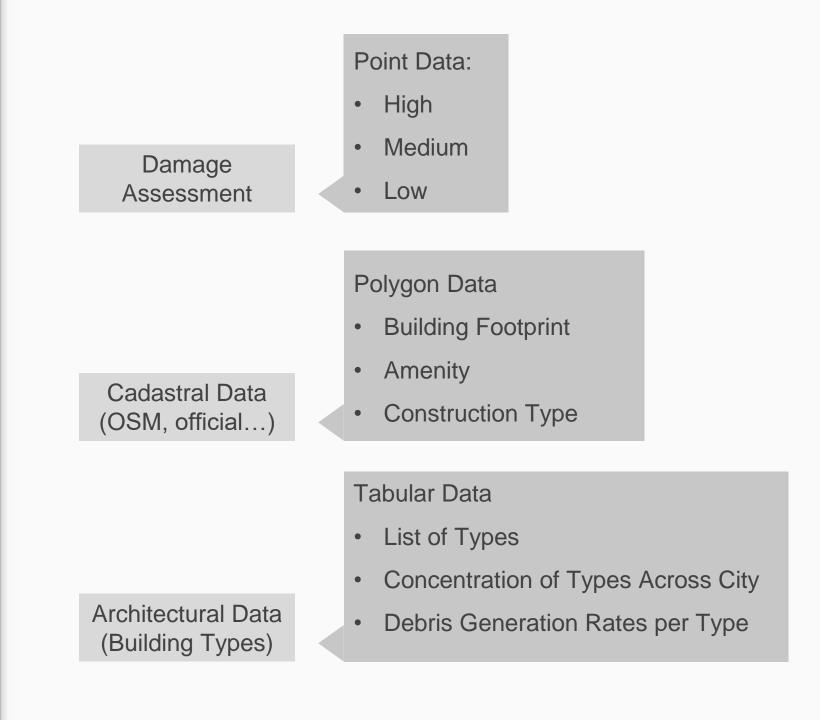


Estimating Debris Quantities

Method must remain adaptable

Focus on "Good Enough" data

confidence





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