

Safe**Rock**

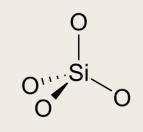
Mahmoud Khalifeh, Associate Prof.

Geopolymer Technology - Green Transition

















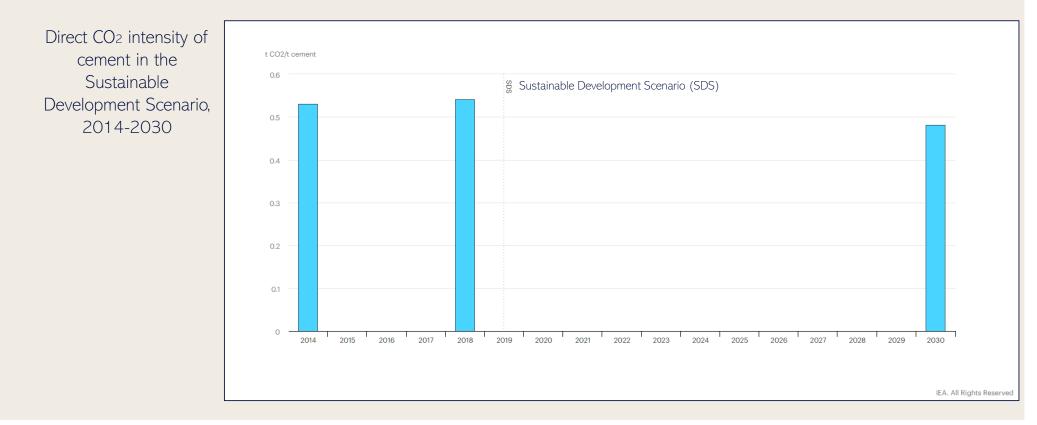






IEA (2020), Cement

More efforts needed

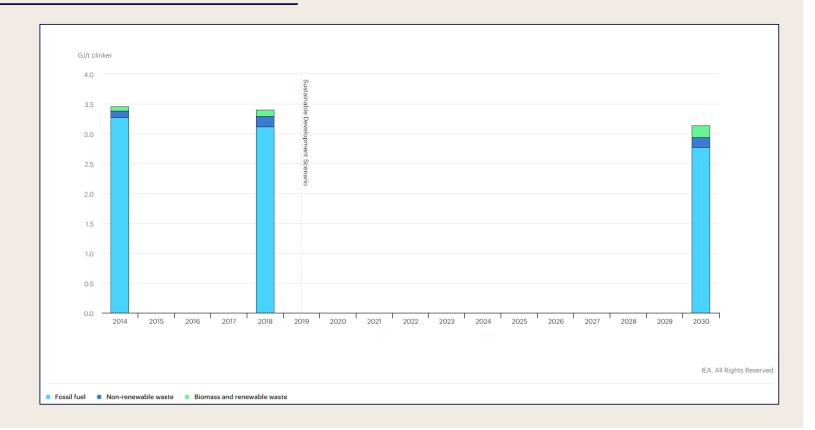




IEA (2020), Cement

More efforts needed

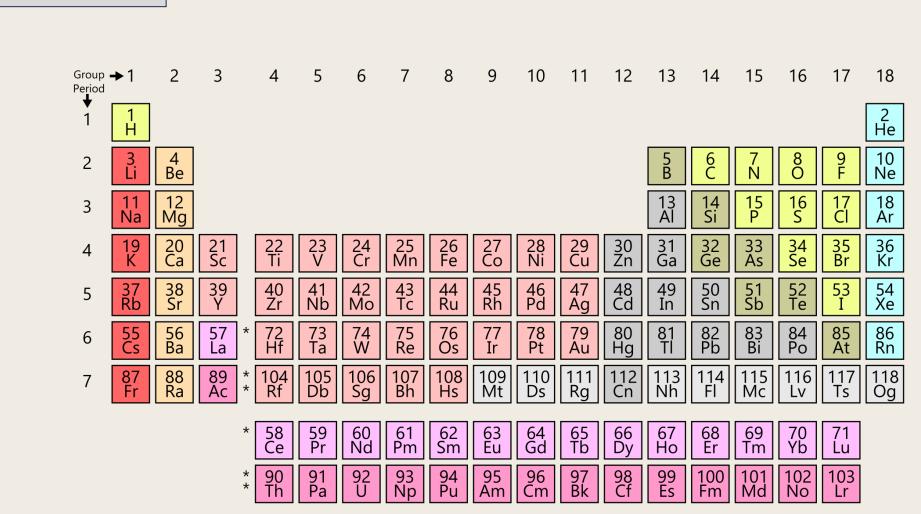
Global thermal energy intensity and fuel consumption of clinker production, 2014-2018 and in the Sustainable Development Scenario



University of Stavanger

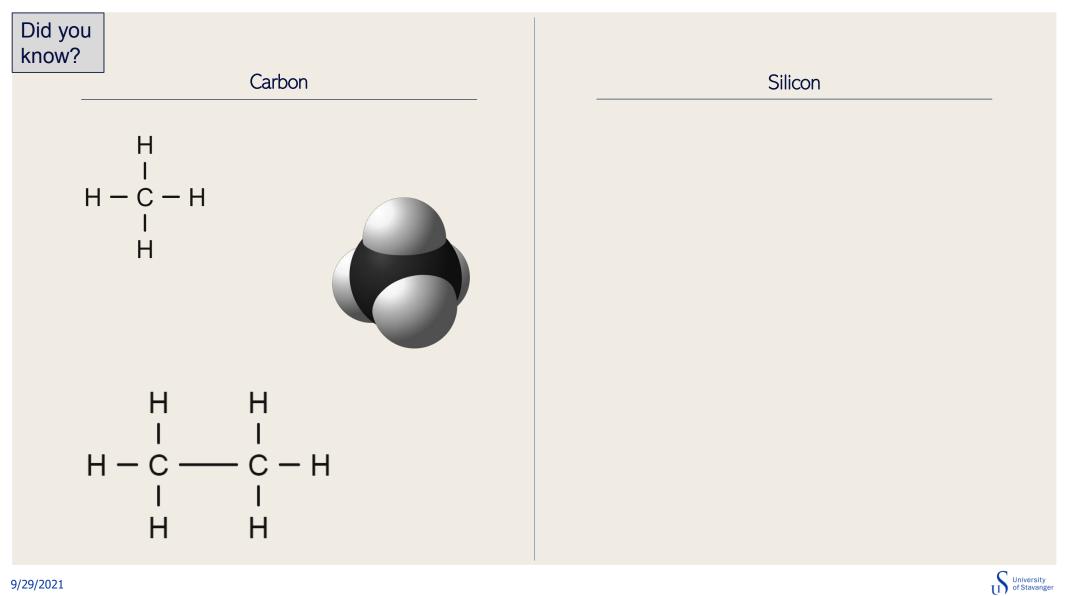
Geopolymer Technology

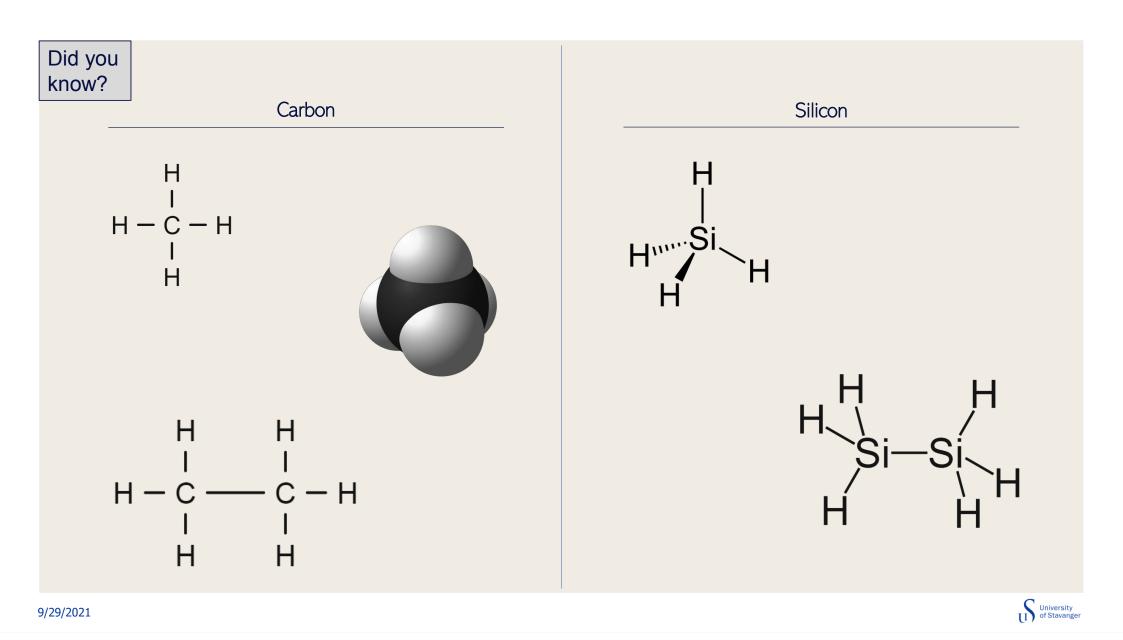


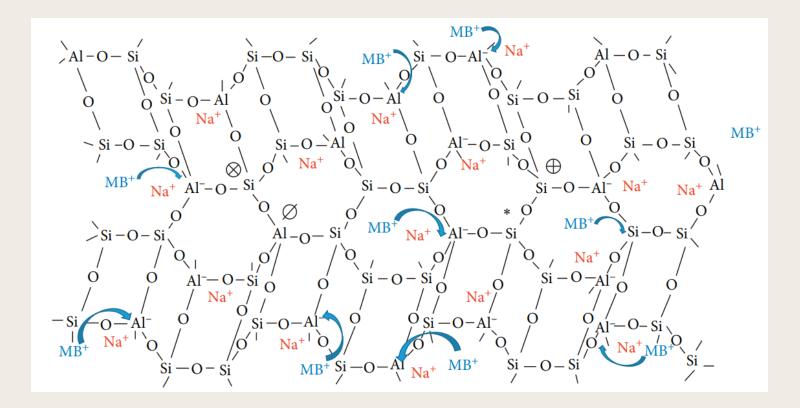


Silicon vs. Carbon









Volume 2019 | Article ID 4212901 | https://doi.org/10.1155/2019/4212901





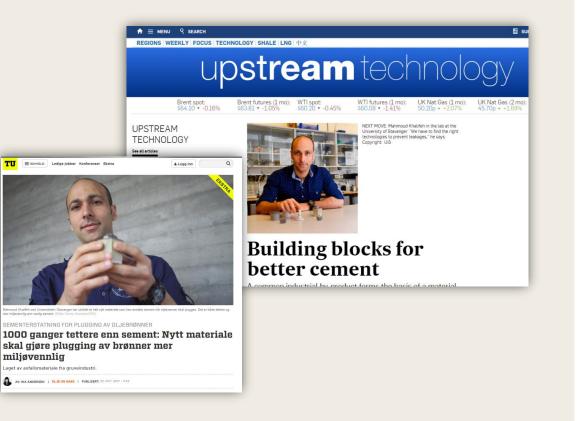
A journey began from ancient Egypt!



SafeRock: 70-80 wt.% Lower CO₂ Emission

Properties:

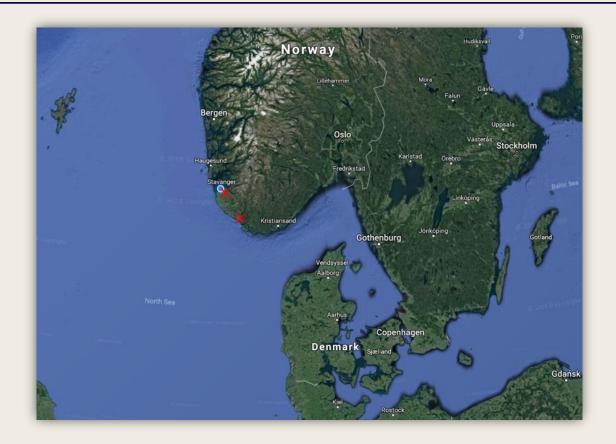
- ✓ Pumpable
- ✓ 1000 times less permeability than cement
- ✓ Less than 1% shrinkage
- ✓ Durable
- ✓ Low Young's modulus
- ✓ Environmentally friendly





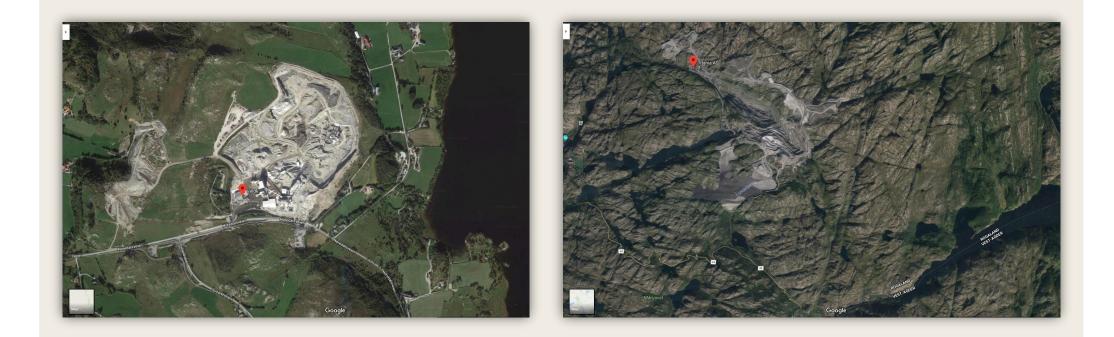


Waste or Potential!





Waste or Potential!



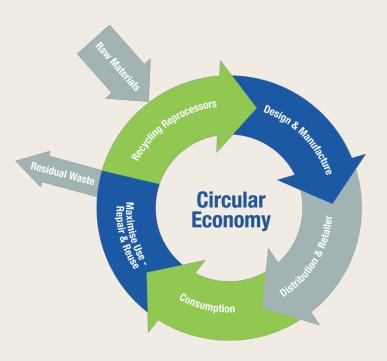


Preparation



















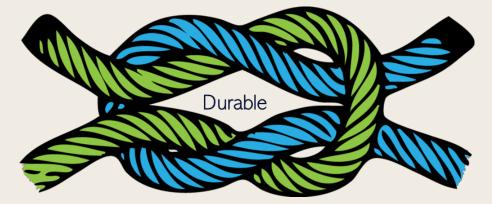


9/29/2021

Circular Economy

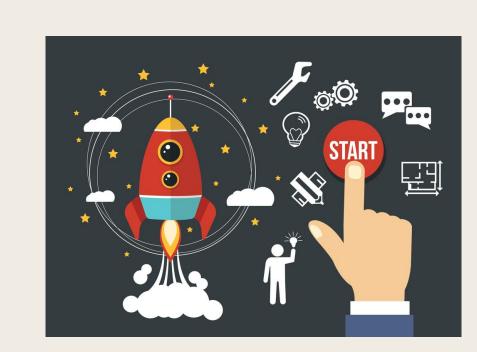
FOOTPRINT













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Circular Economy

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FOOTPRINT

LOW

Spin-off





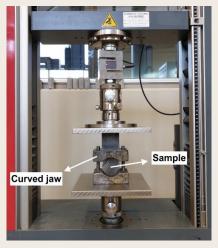
SolidRock



GeoCarb



GeoFlex







More info: www.saferock.no







