



#EUCircularTalks

Closing infrastructure material cycles
through European cooperation



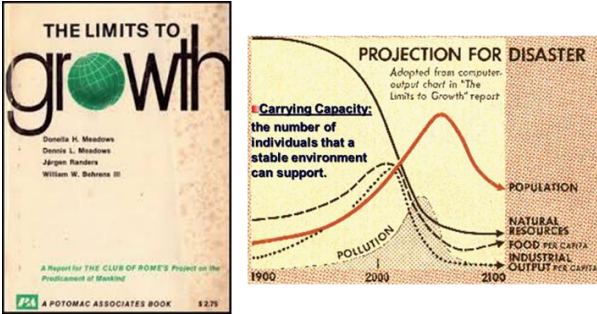
LE2AP: “We need each other!”

Dr.ir Rien M. Huurman

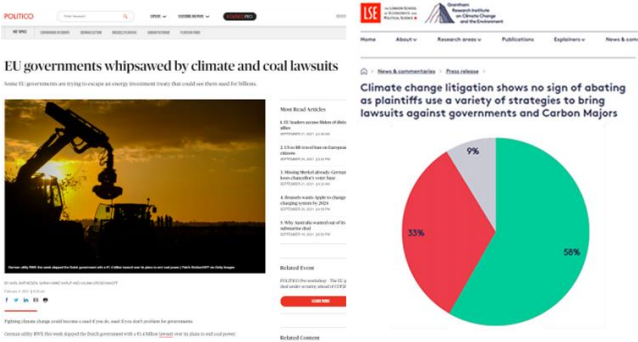


Set Goals are universal and remain unchanged

Scientific
1972



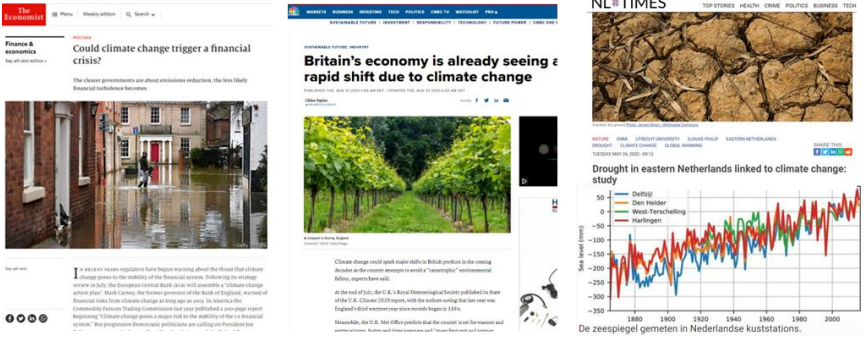
Legal
2016



Political
2015/16



Societal



Circular | Climate neutral / CO₂ | Emissions | Quality / durability | (2030 & 2050)
Boundary condition: € €

Low Emission² Asphalt Pavement (2013-2016)



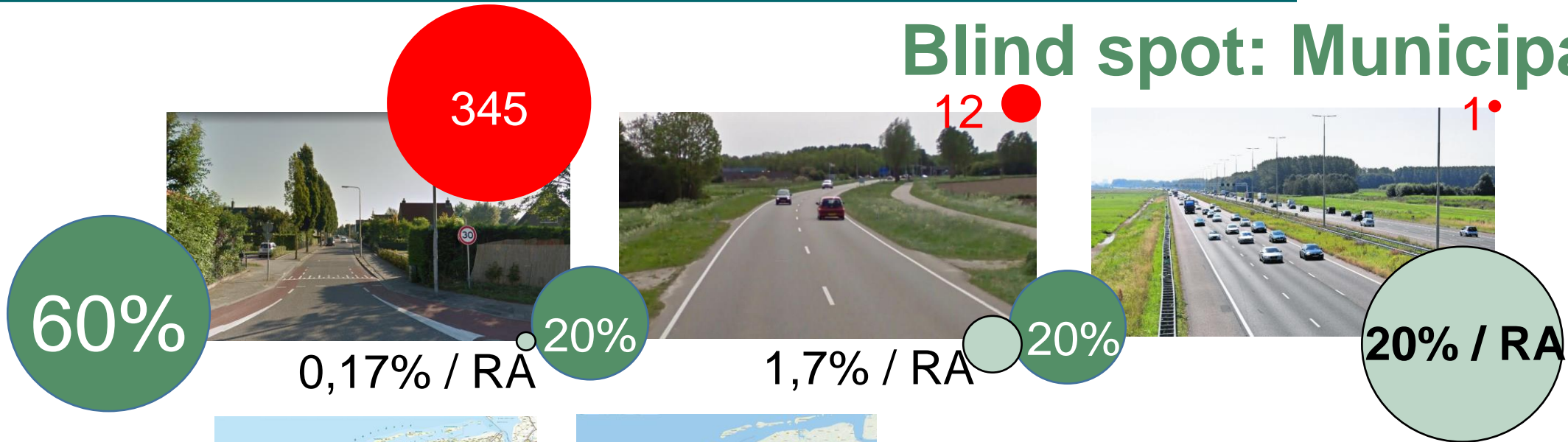
Circular: 95% reuse

Climate neutral / CO₂ : 105°C

Emissions: Indirect Heating & Noise Reducing PA

Quality / durability: Control over composition & ingredient

Blind spot: Municipalities



- 141242 km network length
- 28 Asphalt plants
- 367 Public Road Authorities
 - 1 National road authority
 - 12 Provincial road authorities
 - 21 Water Boards
 - 345 Municipal road authorities





Focus on TRL,
Technology Readiness Level.



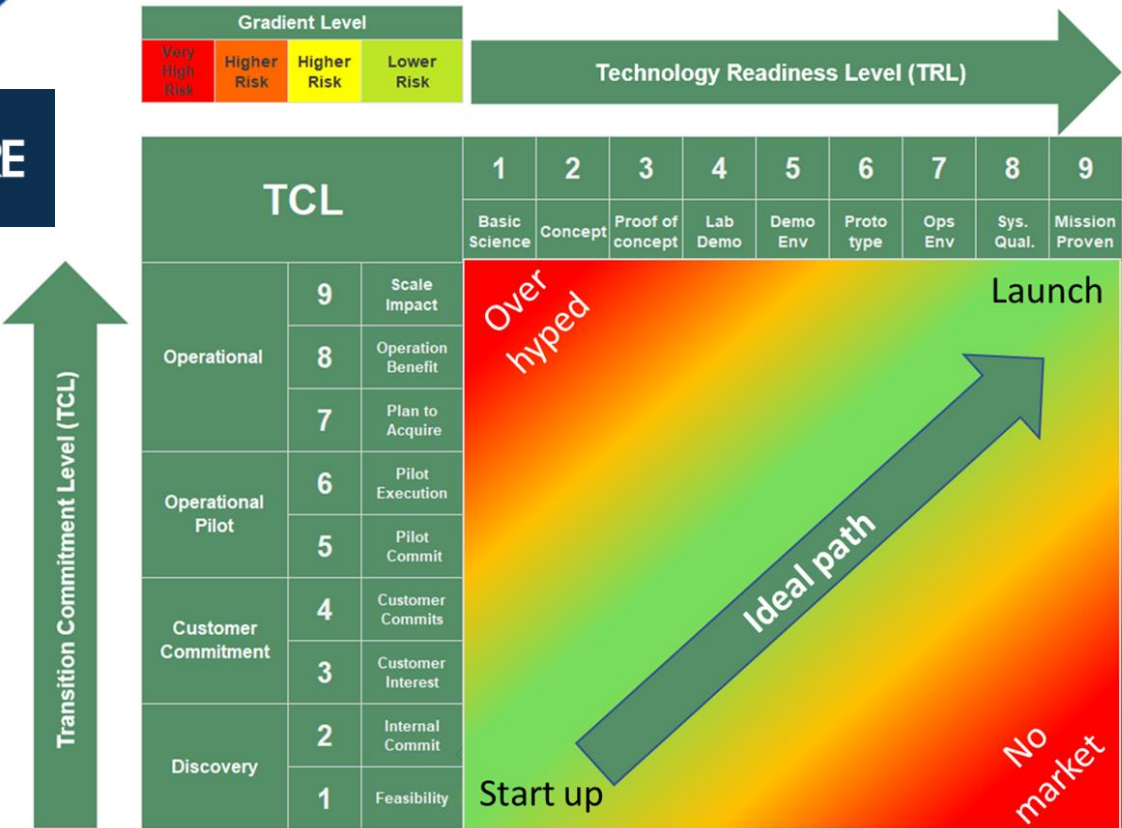
MITRE



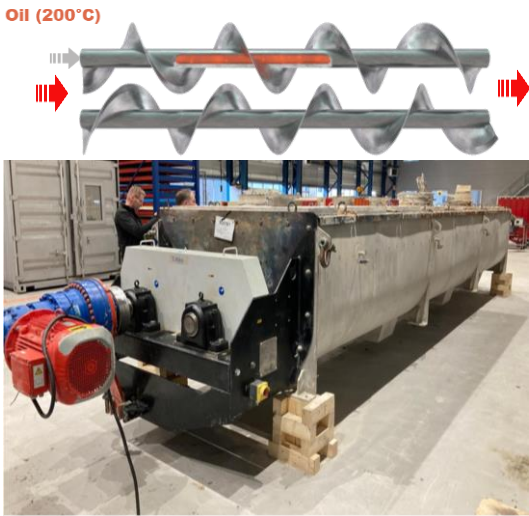
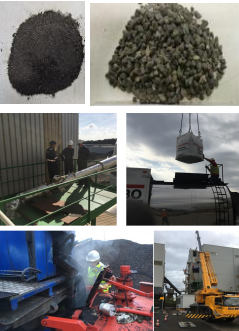
Little attention for TCL
Transition Commitment Level.

“A multi-dimensional framework that manages the execution and technical readiness of a project, as well as customer commitment, is required to ensure a project’s ultimate success.”

Blind spot: TCL



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- We feel lonely and vulnerable.
- Risk of no market.
- Involving municipalities.

