





From Outer Space to Underground Space

Helping cities become more resilient

Antonia Cornaro & Han Admiraal Zurich | Rotterdam





Bangkok

1988



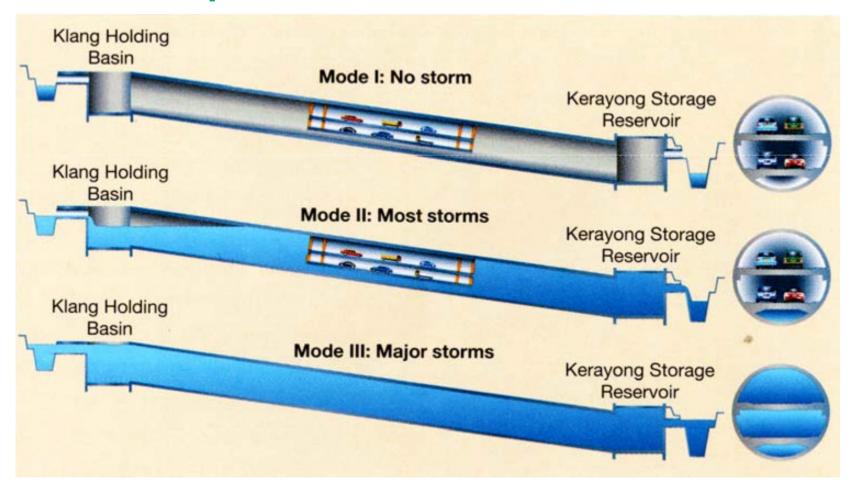
2007







Kuala Lumpur - SMART





Madrid – M30 motorway



Cornaro & Admiraal | From Outer Space to Underground Space | UN IAM Geneva 2013



Rotterdam underground waste water treatment plant

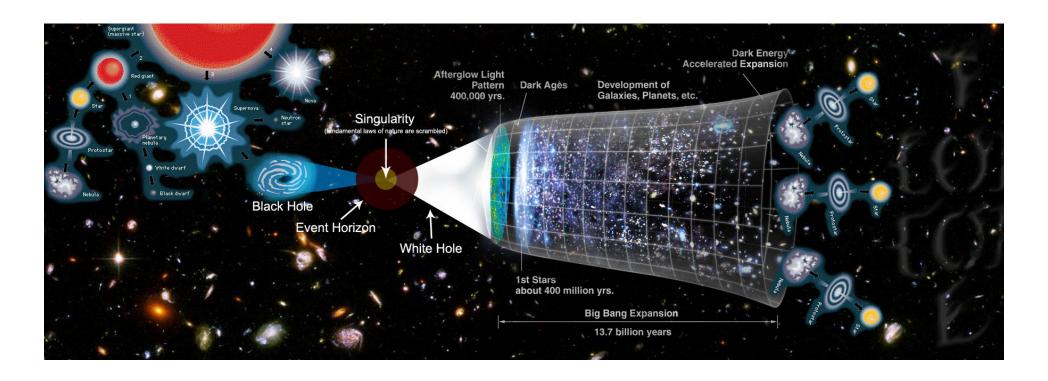




reuse of inner city dock - underground treatment plant, park above

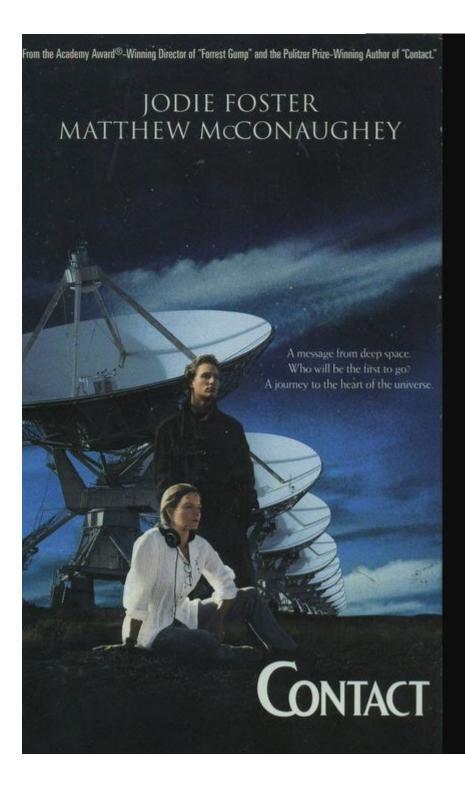


Our Understanding of Outer Space



A journey through space and time





IS THERE OTHER LIFE OUT THERE?

IF THERE ISN'T,
IT'S AN AWFUL
WASTE OF SPACE

JODIE FOSTER IN CONTACT

Satellites are already helping

How GPS is aiding disaster reduction









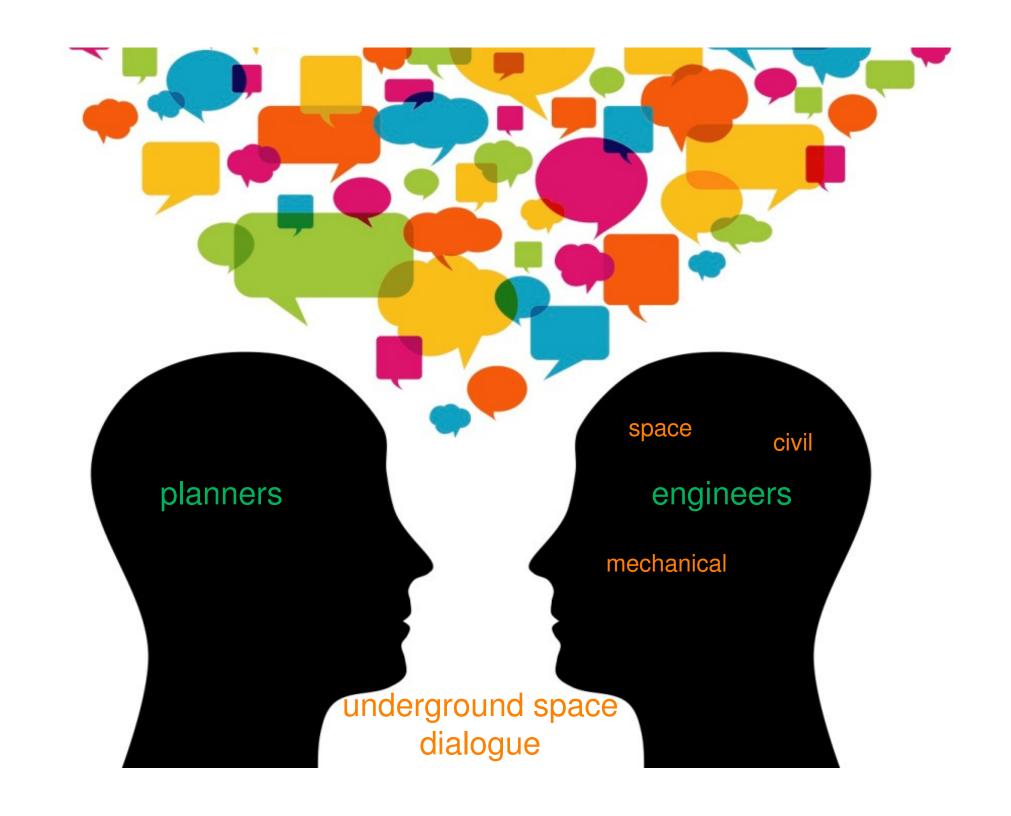






- invisible space
- geology
- water
- conflicting activities and uses

Cornaro & Admiraal | From Outer Space to Underground Space | UN IAM Geneva 2013







URBAN UNDERGROUND SPACE IN A CHANGING WORLD

THANK YOU!

acornaro@amberg.ch han.admiraal@enprodes.nl