

Towards Destination Earth, DestinE

Toni Tolker-Nielsen

Director of Earth Observation Programmes



ANALYSING THE PAST

MONITORING THE PRESENT

PREDICTING THE FUTURE

DestinE

Earth System
Science



Scientific knowledge

Observations

- Public
- Commercial
- NewSpace



Predictions

Simulations

AI



Intelligent solutions



DTE will capitalise on rapidly growing volume of EO data

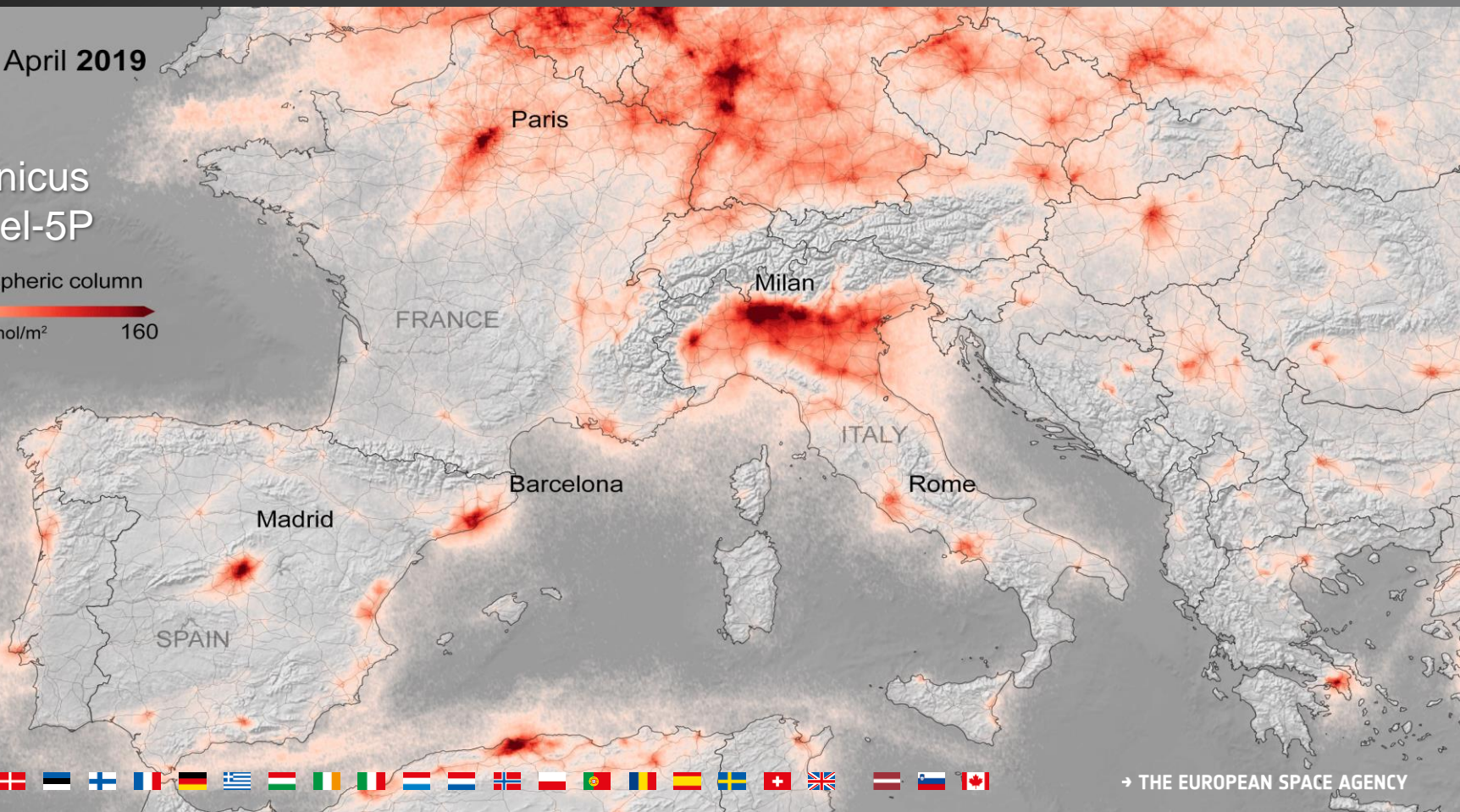


March - April 2019

Copernicus
Sentinel-5P

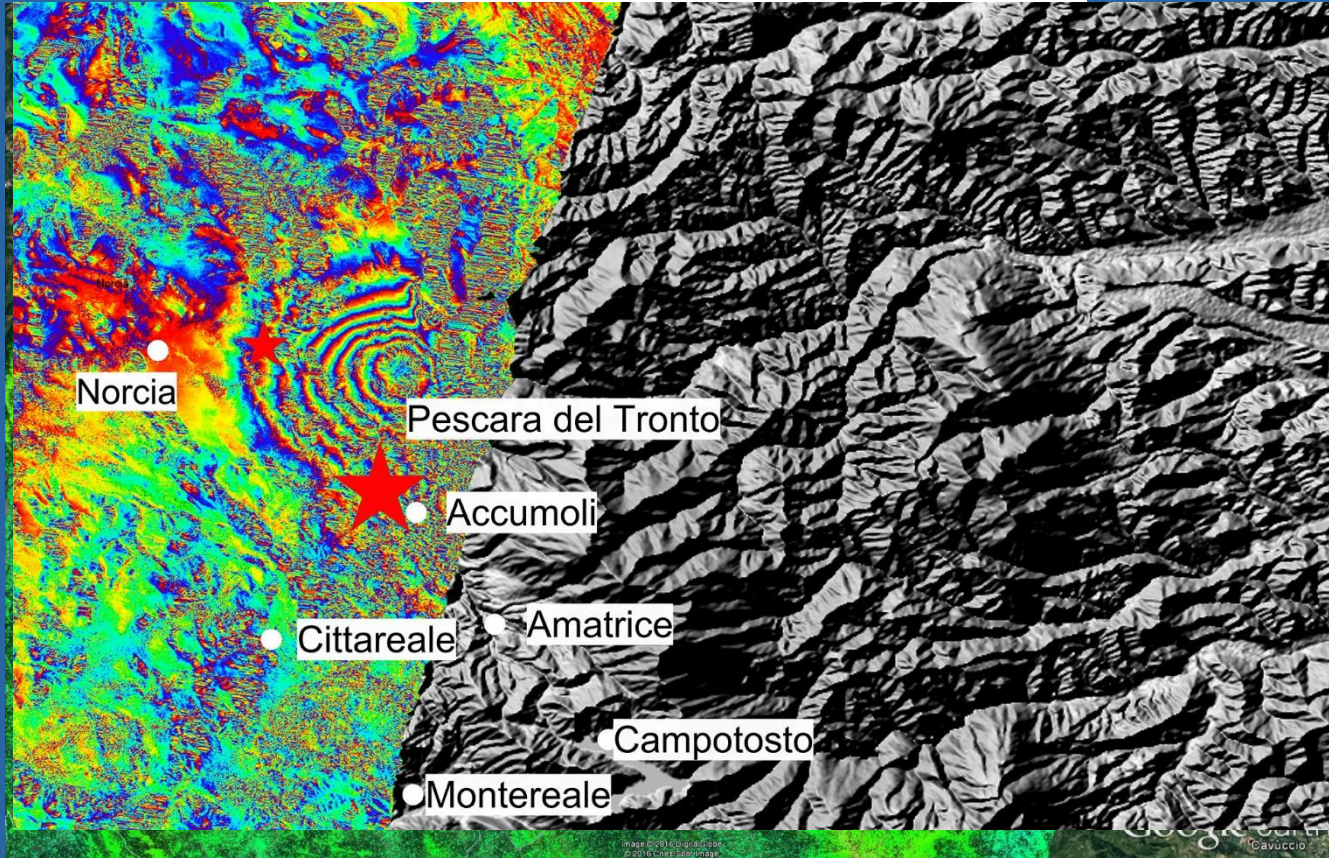
NO₂ tropospheric column

20 $\mu\text{mol}/\text{m}^2$ 160



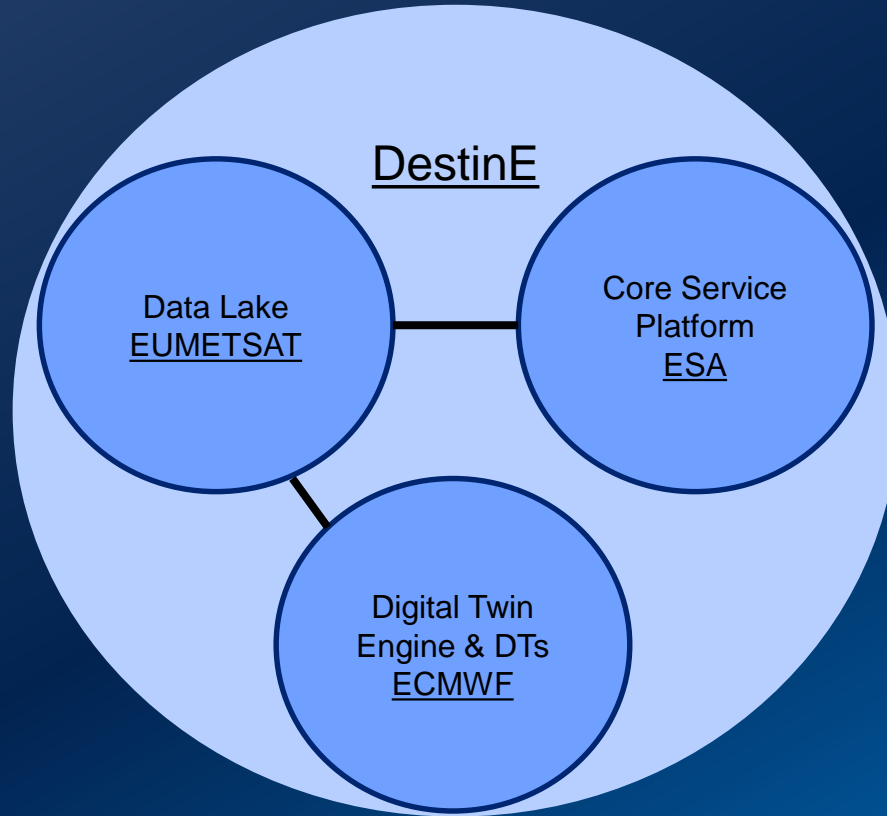
→ THE EUROPEAN SPACE AGENCY

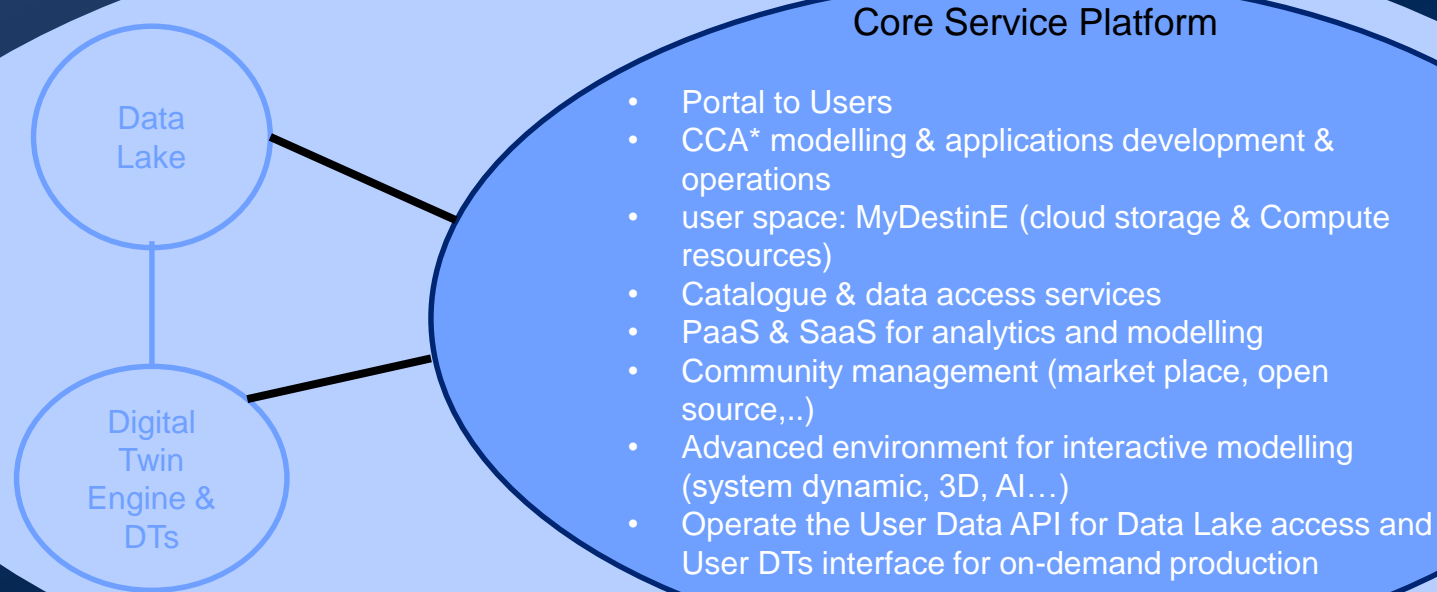
Example: Dealing with an Earthquake



Courtesy INGV

Who is doing what?





Thank you for your attention