

neoc.space

Netherlands Earth Observation Cluster

NEOC is het programma van de stichting dotSpace - een open netwerk voor op geodata gebaseerde innovatie. We zijn gericht op educatie, verkenning en creatie met remote-sensing technologieën. In de datagestuurde wereld van vandaag is het belangrijk om de huidigen en toekomstige mogelijkheden van remote sensing te verkennen. We wisselen kennis en ideeën uit, bevorderen ondernemerschap en werken samen om nieuwe initiatieven te ontwikkelen. Het aardobservatiecluster ondersteunt de ontwikkeling van nieuwe oplossingen en verlegt de grenzen van wat mogelijk is met aardobservatiegegevens.

Netherlands Earth Observation Cluster

Cooperation in the Earth observation domain among universities, knowledge centres, companies and government in the range of innovation, education, tinkering, projects and coaching



Knowledge

Sharing knowledge in collaboration with Universities, the Dutch Space Office and European remote sensing institutes



EO Tinkering

The NEOC Lab serves and assists in spatial data analysis using Geographical Information Systems and remote sensing software.



Projects

The NEOC coaching network supports parties to bring projects into investment-ready, production-ready & tendering-ready proposition



Engagement

The space sector in a dialogue about how space can respond to socio-economic and environmental problems, today, and in the future.

NEOC and Cities: input “>” and feedback “<”

- > Masterclass: learn how to apply remote-sensing data
- > Show examples, demonstrate interactive maps, point to applications
- < Interactive sessions: Define cases and propose satellite-based solutions
- < Learn from cases how to address/solve problems, related to RS
- > Search partners capable and interested in solving the problem
- > If no partner can be found perform pilot/feasibility studies
- > Catch projects related to EO and RS (if expertise is lacking)

Two cases “Westland”



- NOx emissions from greenhouse farming installations
- Illegal dumping waste water



Low-Emission Zones in Cities

Problem/questions:

- Appoint LEZ in city centres
- Efficiency of LEZ
- Influence of weather in LEZ
- EU rules vs. WHO guide lines

Job to be done

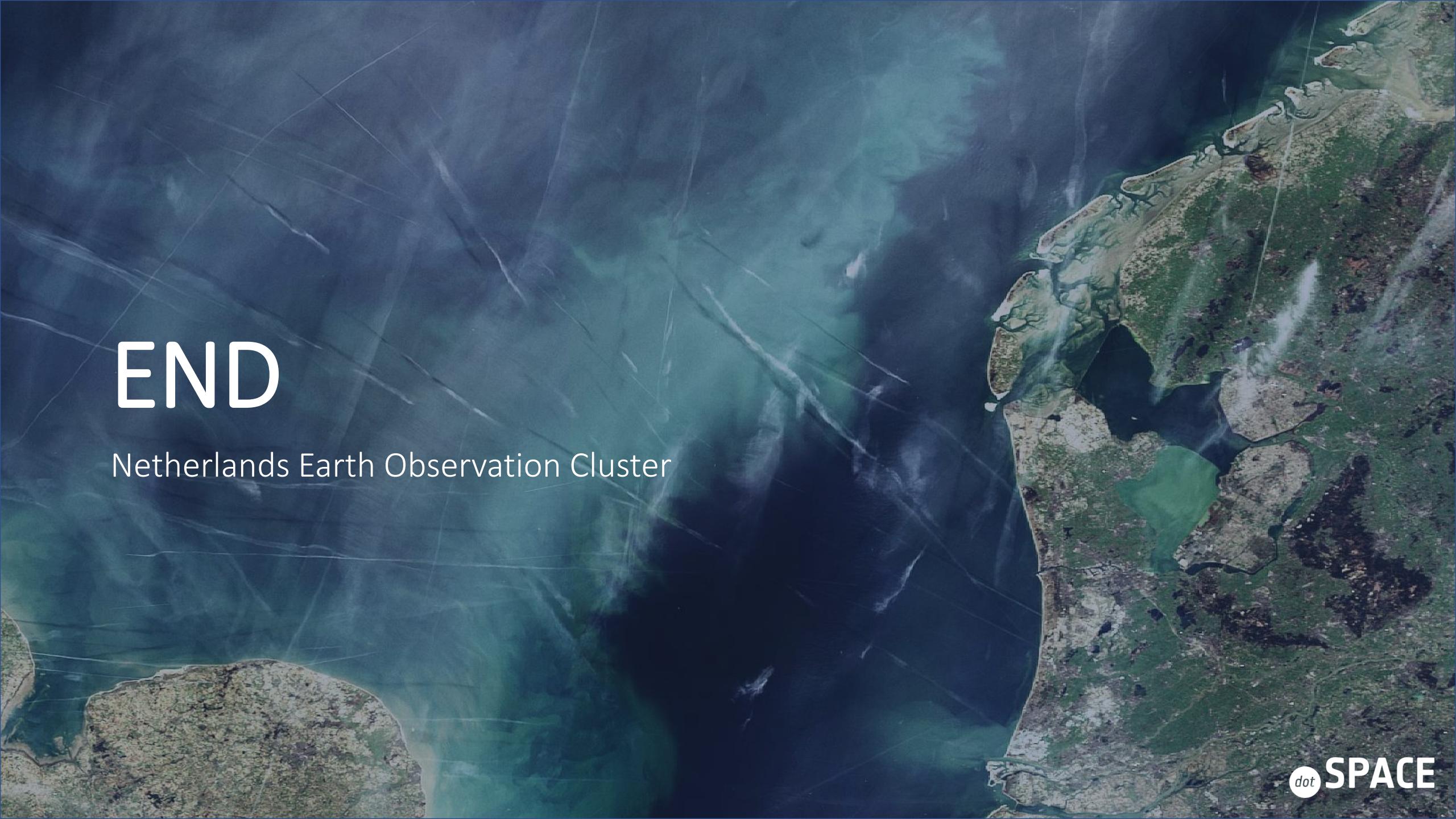
- Localize/quantify sources
- Improve model capabilities
- Implement regulatory actions
- Solve political issues



Opportunities for CAMS:

- Bring the information further down to the local level (increase resolution)
- Improve the user experience on CAMS (interactive maps)
- Add “Air Quality” in TEP, a platform work environment (tep.eo.esa.int)
- Give access to information on all levels of expertise (turn-key ... satellite data)
- Apply AQ guidelines from EU and WHO





END

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