A NARRATIVE GUIDE TO COMMUNICATING THE POTENTIAL OF CCS IN DECARBONISING EUROPEAN INDUSTRY

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BELLONA

WHY DO WE NEED A STRONG NARRATIVE FOR CCS?

HOW CAN WE FRAME THE POTENTIAL OF CCS?

CREATING A CO_2 NETWORK AS A PUBLIC GOOD:
ECONOMIC, SOCIAL AND CLIMATE BENEFITS

NEGATIVE DISCOURSE COMES FROM LACK OF KNOWLEDGE OR CONFIRMATION BIAS
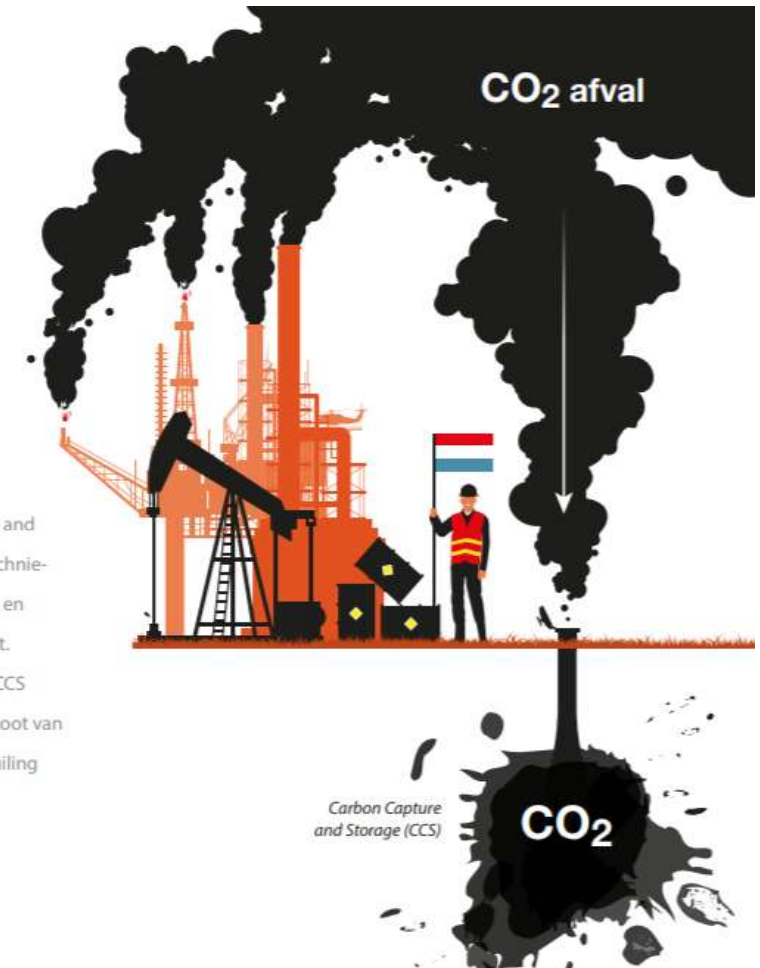
Misinformation and disinformation

Lack of knowledge

Prejudice and confirming assumptions

''CO_2 storage:
The Netherlands as
the dumping
ground of Europe''

GREENPEACE

Wat is CO_2-opslag?

Een dirty business. Officieel staat het voor Carbon Capture and
Storage (CCS). Dit is een verzamelnaam voor een aantal technie-
ken waarmee je CO_2, het vrijgekomen afval van kolen, olie en
aardgas, opvangt, transporteert en onder de grond opslaat.
Tijdens de onderhandelingen voor het Klimaatakkoord is CCS
door de industrie gepresenteerd als dé manier om de uitstoot van
broeikasgassen terug te dringen. Zo schuif je klimaatvervuiling
letterlijk onder het tapijt.

CO_2 afval

Carbon Capture
and Storage (CCS)

CO_2

DISINFORMATION ABOUT CCS INCREASES THE NEED TO BUILD A POSITIVE NARRATIVE

CCS is often associated with:

Coal - the Fossil lock-in

Oil & Gas - Enhanced Oil Recovery & CO2 „Blow-outs"

Nuclear - CO2 „Endlager"/ final disposal site

Fracking - Seismic Shocks & Groundwater contamination
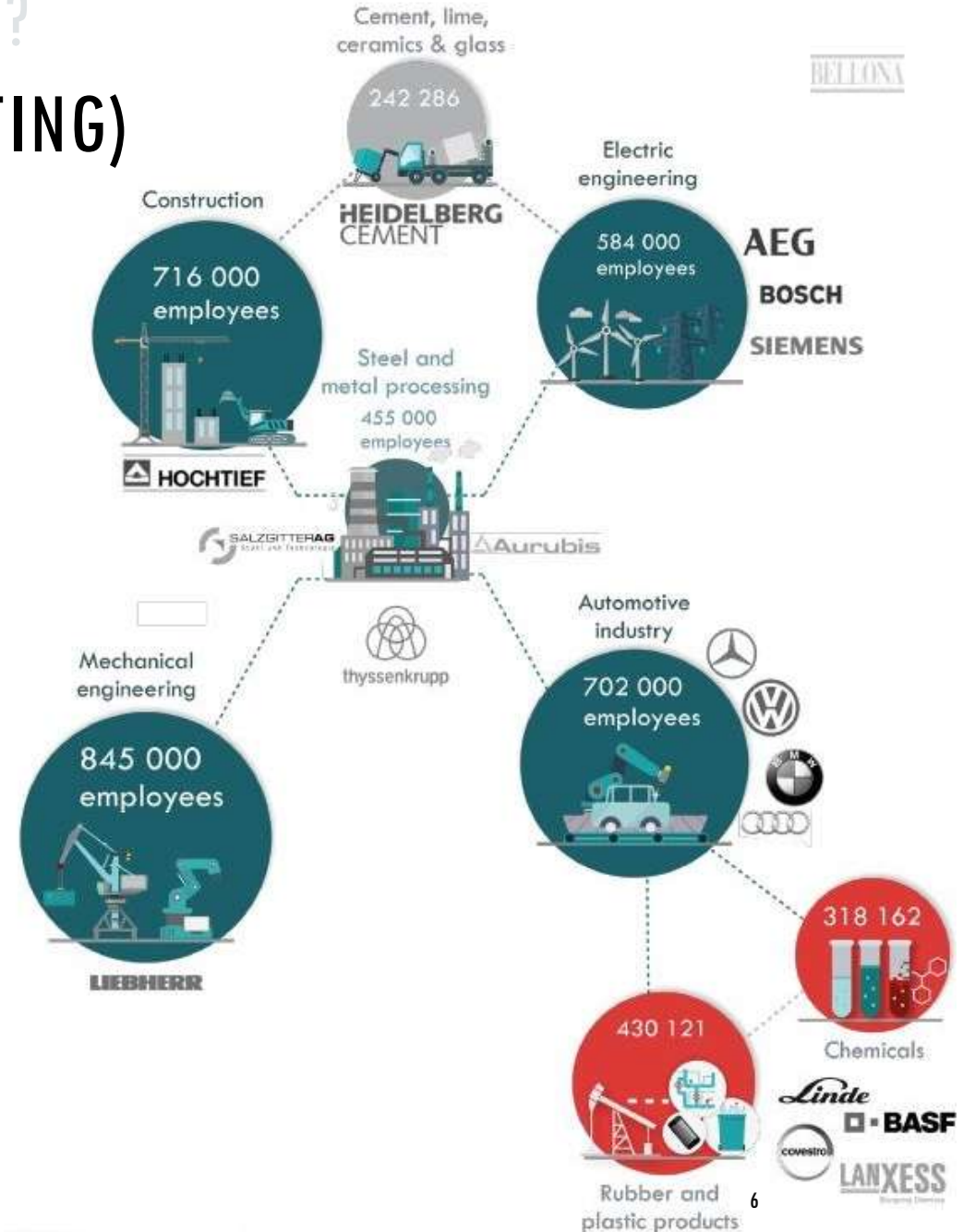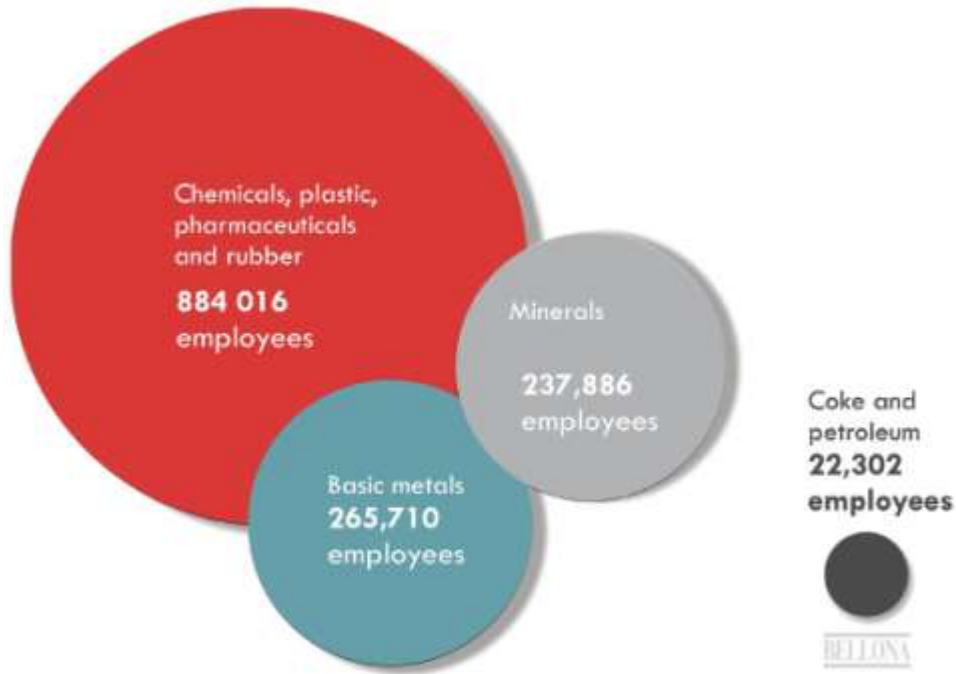
Credit: Karsten Smid/Greenpeace

WHY DO WE NEED A STRONG NARRATIVE AROUND CCS?

HOW CAN WE FRAME THE POTENTIAL OF CCS?

CREATING A CO_2 NETWORK AS A PUBLIC GOOD:
ECONOMIC, SOCIAL AND CLIMATE BENEFITS

EUROPEAN INDUSTRY IS THE (HIGHLY EMITTING) BACKBONE OF OUR ECONOMY

CCS IS PART OF A WIDE PORTFOLIO OF CLIMATE CHANGE MITIGATION MEASURES

ADDRESSING COCERNS HEAD ON

CIVIL SOCIETY	POLICY MAKERS	INDUSTRIES
Include CCS in wider portfolios of climate change mitigation solutions	**Provide arguments and guidelines for the implementation of CCS projects**	**Cooperate to bring CCS down the cost curve**
Ensure safety of CO_2 transport and storage	**Make it a European story**	**Plan changes and to avoid closures**

WHY DO WE NEED A STRONG NARRATIVE AROUND CCS?

HOW CAN WE FRAME THE POTENTIAL OF CCS?

THE CO_2 NETWORK AS A EUROPEAN PUBLIC GOOD: ECONOMIC, SOCIAL AND CLIMATE BENEFITS

SHARED INFRASTRUCTURE AS A EUROPEAN PUBLIC GOOD

A shared CO$_2$ network provides a path for **industry** to deeply decarbonise, protects investments, existing assets and prevents job loss.

It enables **governments** at a local and national level to fulfil their obligations under binding international targets.

It enables helps **civil society** to ensure that no industry emissions are 'unavoidable' and forces industry to deeply decarbonise.

'NORTHERN LIGHTS' & THE NORDICS

It's the first full-industry-scale shared CO_2 network in the world with two industry capture projects and opportunities to expand.

Offshore Storage

Norcem Cement Plant

Fortum Waste Incinerator

Carbon neutral by 2045

Carbon neutral by 2035

Sweden and Finland seek to become carbon neutral in the next few decades and may choose to cooperate with Norway on CCS for its own industry.
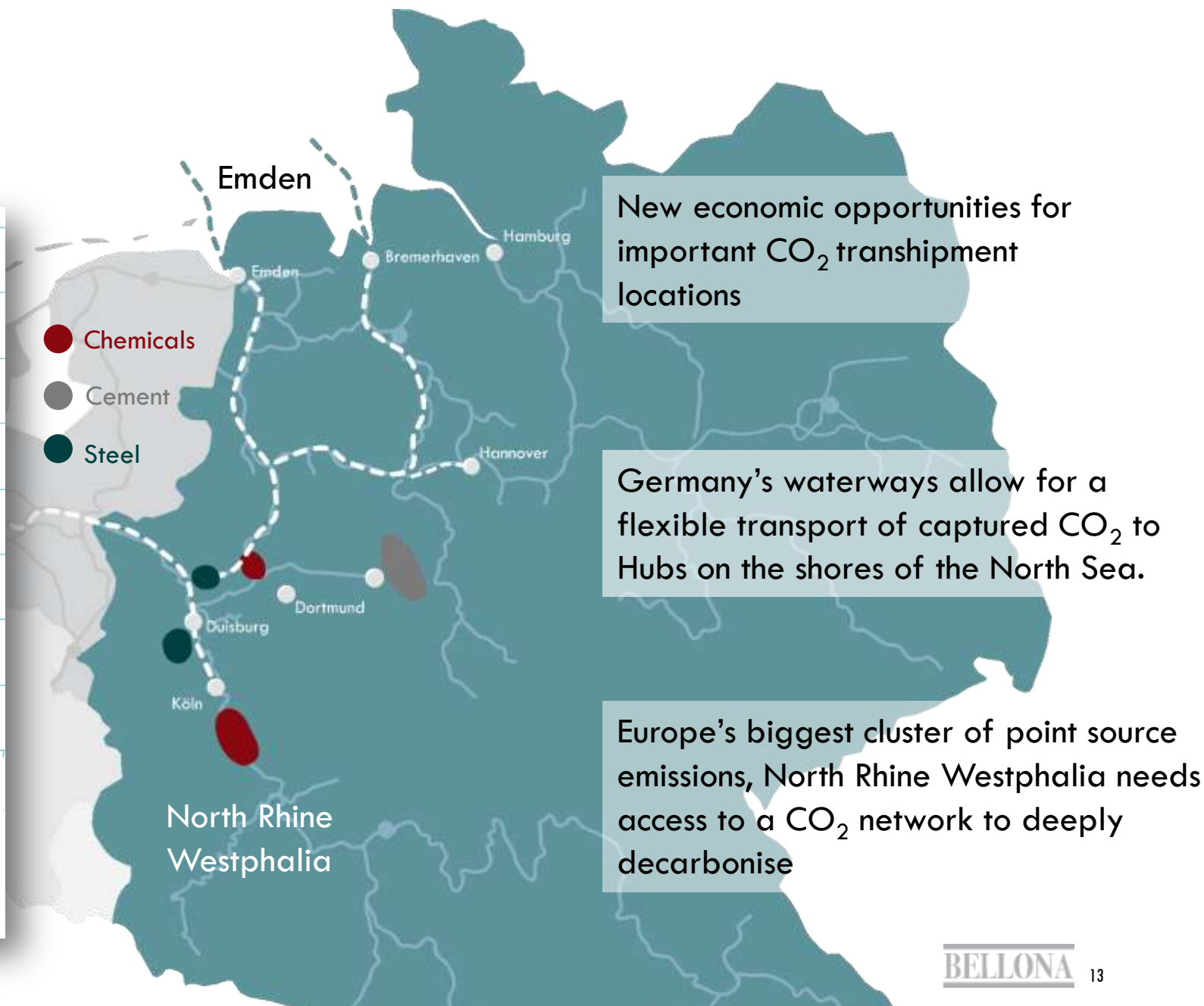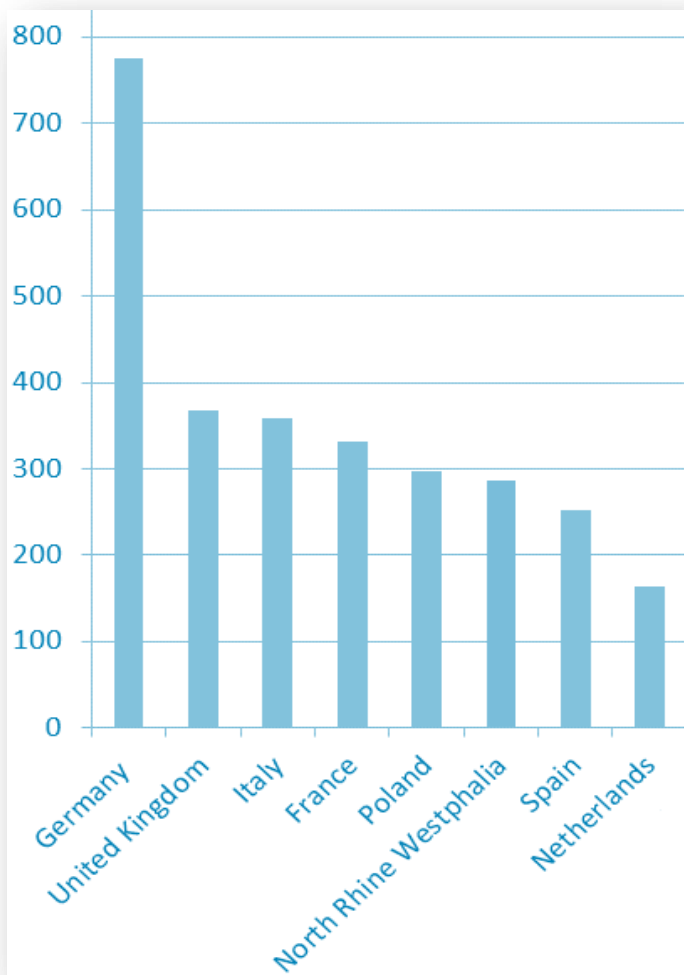
THE NETHERLANDS
KLIMAATAKKORD

The Dutch government requires industry to reduce over 14Mt of CO_2 emissions by 2030.

Port of Rotterdam plans to become region's Gateway for CO_2 storage.
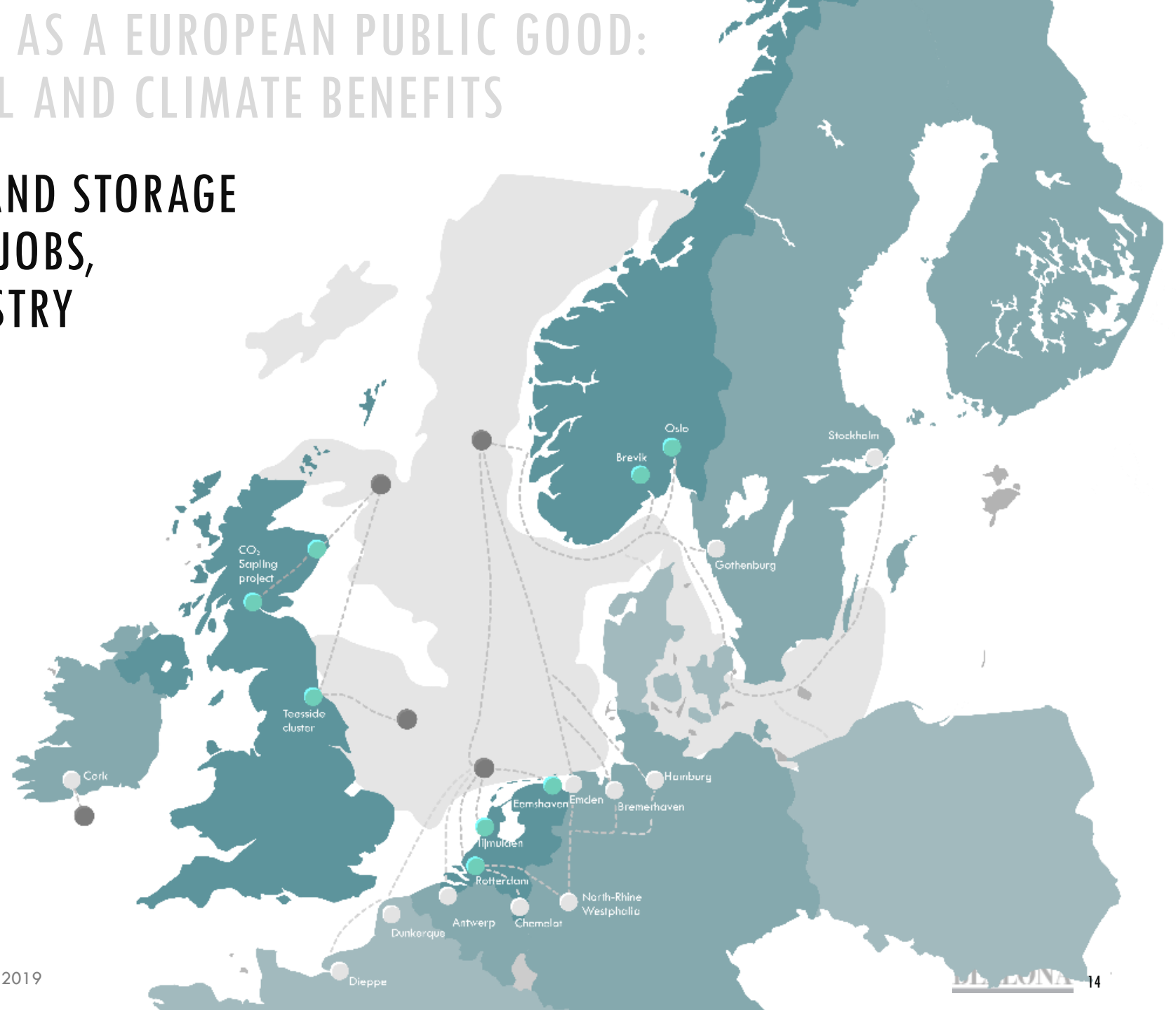
20% of Dutch Emissions in Rotterdam.

Magnum Project: hydrogen production with CCS

Eemshaven

Groningen

Ijmuiden

Amsterdam

Expansion to adjacent industry clusters

Rotterdam

Port of Antwerp

Limburg industrial area

Chemelot

GERMANY

Emden

Chemicals

Cement

Steel

North Rhine
Westphalia

New economic opportunities for important CO_2 transhipment locations

Germany's waterways allow for a flexible transport of captured CO_2 to Hubs on the shores of the North Sea.

Europe's biggest cluster of point source emissions, North Rhine Westphalia needs access to a CO_2 network to deeply decarbonise

A CO2 TRANSPORT AND STORAGE NETWORK HELPING JOBS, CLIMATE AND INDUSTRY

THANK YOU!

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References and more information in our latest report:
‘An Industry’s Guide to Climate Action’