

Welcome to State of Green

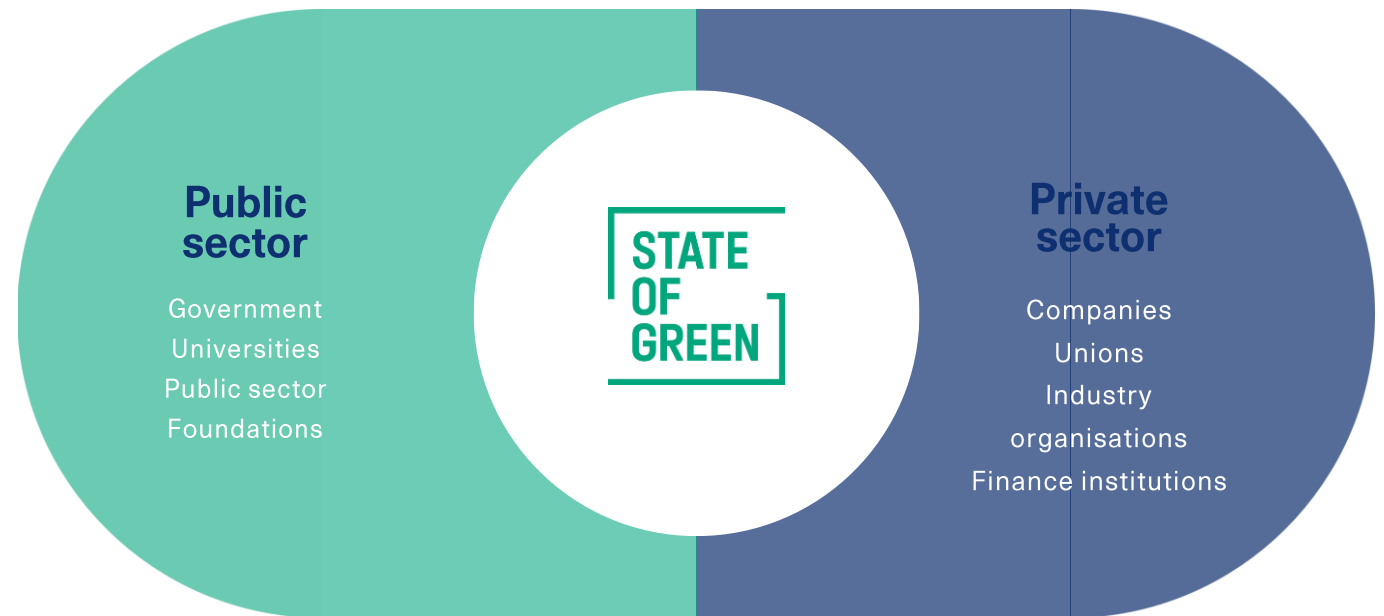
Presenter: Maja Østergaard



**STATE
OF
GREEN**

Bridging the green gap between the public and private sector

We are the only one-point entry to both the public and the private sector, gathering state-of-the-art green knowledge and solutions from Denmark.



Public-private partnership

Public

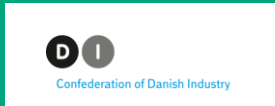
Private

Government

Business organisations

Strategic partners

Associate partners



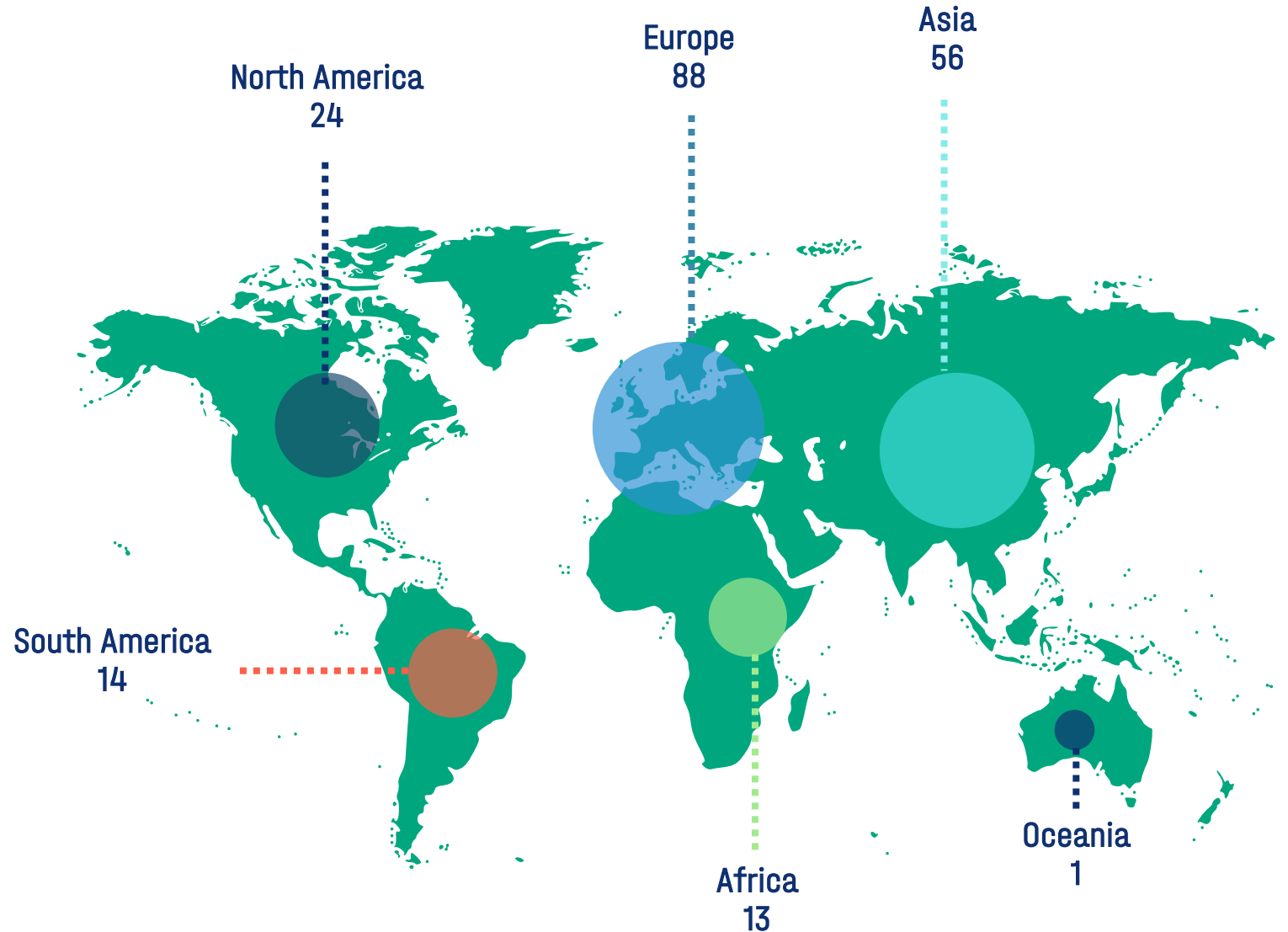
STATE
OF
GREEN

HRH Crown Prince Frederik of Denmark

Our global impact

Every year, State of Green welcomes hundreds of delegations from all over the world at House of Green and engages international decision makers through online and in-person events.

In 2022, State of Green welcomed more than 171 delegations at House of Green.



Denmark is a small country. We emit 0.1% of the global greenhouse gases



By 2030, we will reduce
greenhouse gas emissions by

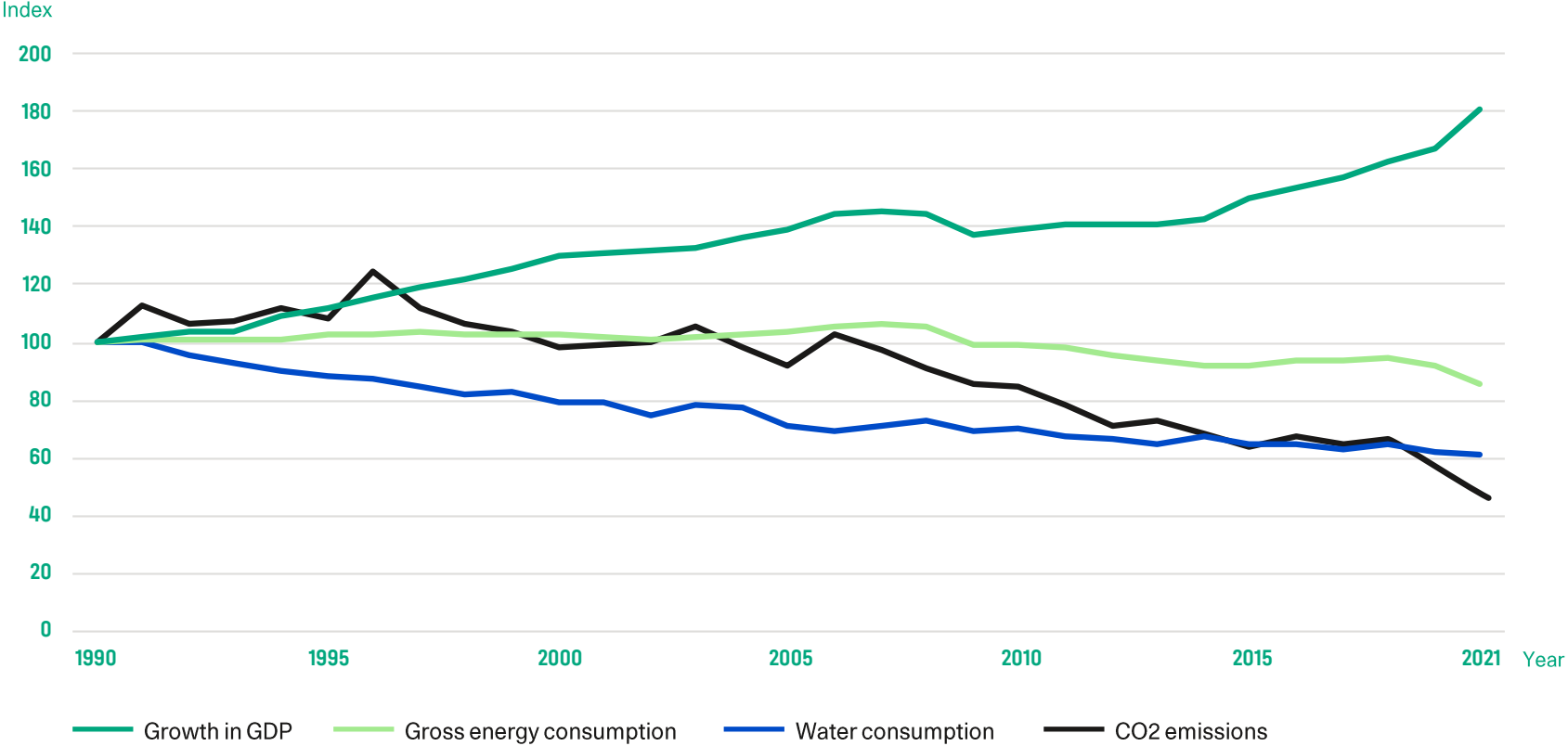
70%

An aerial photograph of a city river, likely in Copenhagen, Denmark. A yellow boat is moving across the water, leaving a white wake. The river is flanked by modern buildings, including one with a glass facade and another with a sign that says "Nykredit". In the background, a bridge spans the river, and the city skyline is visible under a cloudy sky. The text "By 2050, we will reach" is overlaid in white, sans-serif font.

By 2050, we will reach

net-zero

We have increased GDP by 62%



62%

growth in GDP

-11%

gross energy consumption

-39%

water consumption

-43%

CO2 emissions



Denmark's green transition



We haven't always been this green

It took 50 years of hard work



1970s

> Environment

- 1971** World's first ministry of environment is established
- 1973** First Environmental Protection Act established
- 1970s** Denmark starts to combat air pollution
- 1970s** Concern about increased amount and complexity of waste disposal

> Energy

- 1970s** 99% dependent on imported energy
– **Denmark is hit hard by oil crisis**
- 1976** Denmark's first national energy action plan
- 1978** First major wind turbine in Denmark generates electricity



1980s

> Environment

- 1987 First national action plan on water environment (stricter regulation on wastewater treatment)
- 1987 Landfill tax introduced to divert waste towards energy recovery in incineration plants

> Energy

- 1985 Denmark's parliament: **No to nuclear power** - yes to expansion of wind energy capacity and energy efficiency
- 1987 Installation of Europe's largest onshore windfarm at the time



1990s

> Environment

- 1990** Clean air: catalytic converters become mandatory in cars
- 1993** Systematic collection of waste data
- 1993-96** Tax on water and wastewater, mandatory water metres and economic incentives to reduce water loss
- 1997** Ban on landfilling of all combustible waste

> Energy

- 199X** CO2 taxes were introduced on certain energy products – to improve energy efficiency
- 1991** Installation of the world's first offshore windfarm
- 1997** Denmark self-sufficient in energy supply
- 1997** No new coal plants can be built in Denmark



2000s

> Environment

- 2000** National groundwater mapping programme initiated – first country to do so
- 2002** First harbour bath reopens in Copenhagen after modernisation of sewerage system
- 2008** Water sector reform act: Water utilities become municipally owned public limited companies
- 2000s** New paradigm: Considering waste as a resource

> Energy

- 2000** Installation of Middelgrunden offshore wind farm off Copenhagen's coast
- 2002** **Horns Rev 1 and Horns Rev 2 offshore wind farms installed in the North Sea**
- 2008** Energy agreement to increase share of renewables



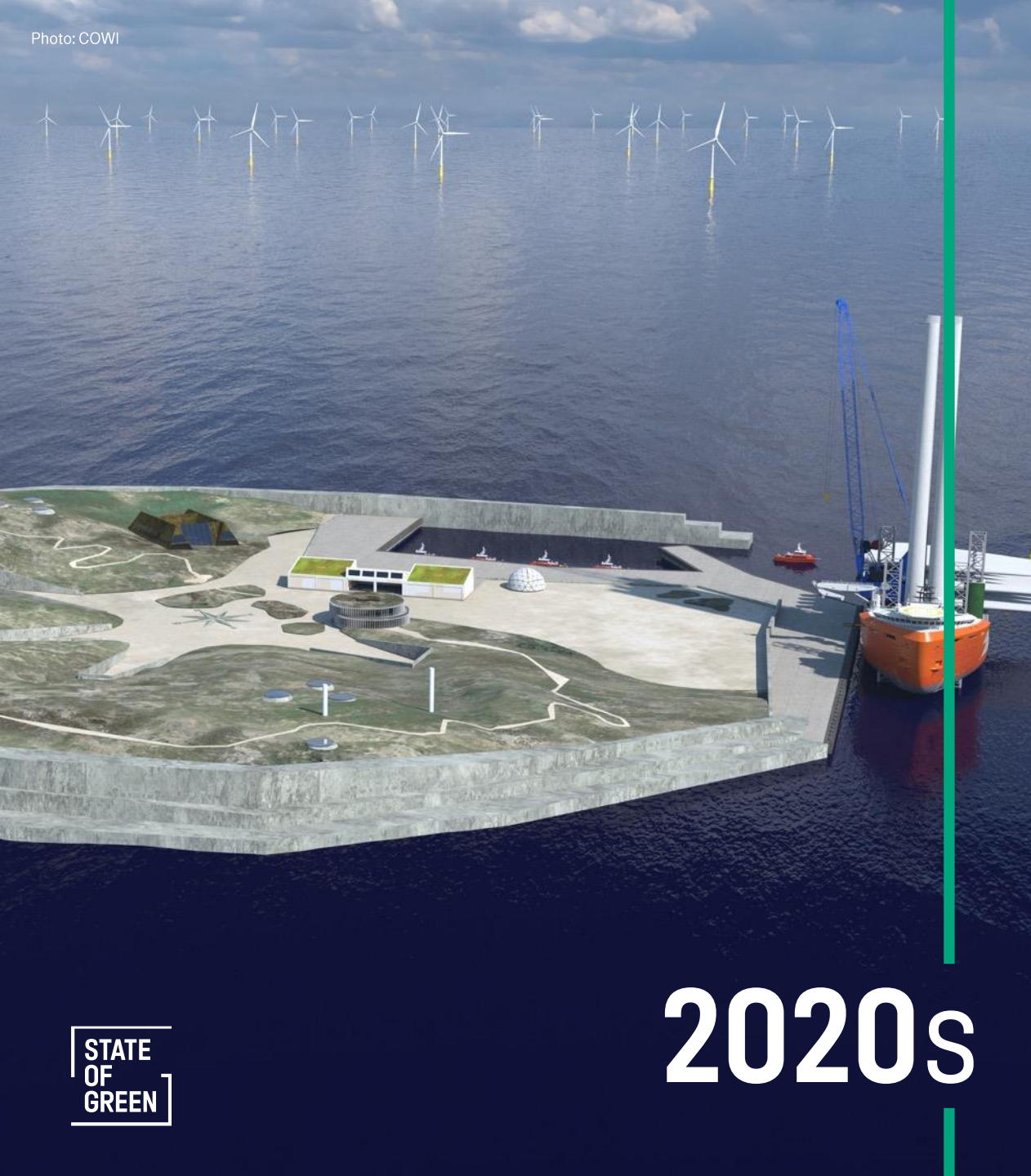
2010s

> Environment

- 2013** Mandatory climate change adaptation plans for all municipalities
- 2013** National waste and circular economy strategies: Recycle more, incinerate less, prevent waste
- 2010s** Energy and resource recovery from wastewater

> Energy

- 2012** DK's first energy agreement with broad political support: DK independent of fossil fuels by 2050
- 2012** Copenhagen aims to be the world's first carbon-neutral capital city by 2025
- 2018** Energy agreement updated to enable RE to fully cover the Danes' electricity consumption by 2030
- 2019** Climate the most important topic in national elections



2020s

> Environment

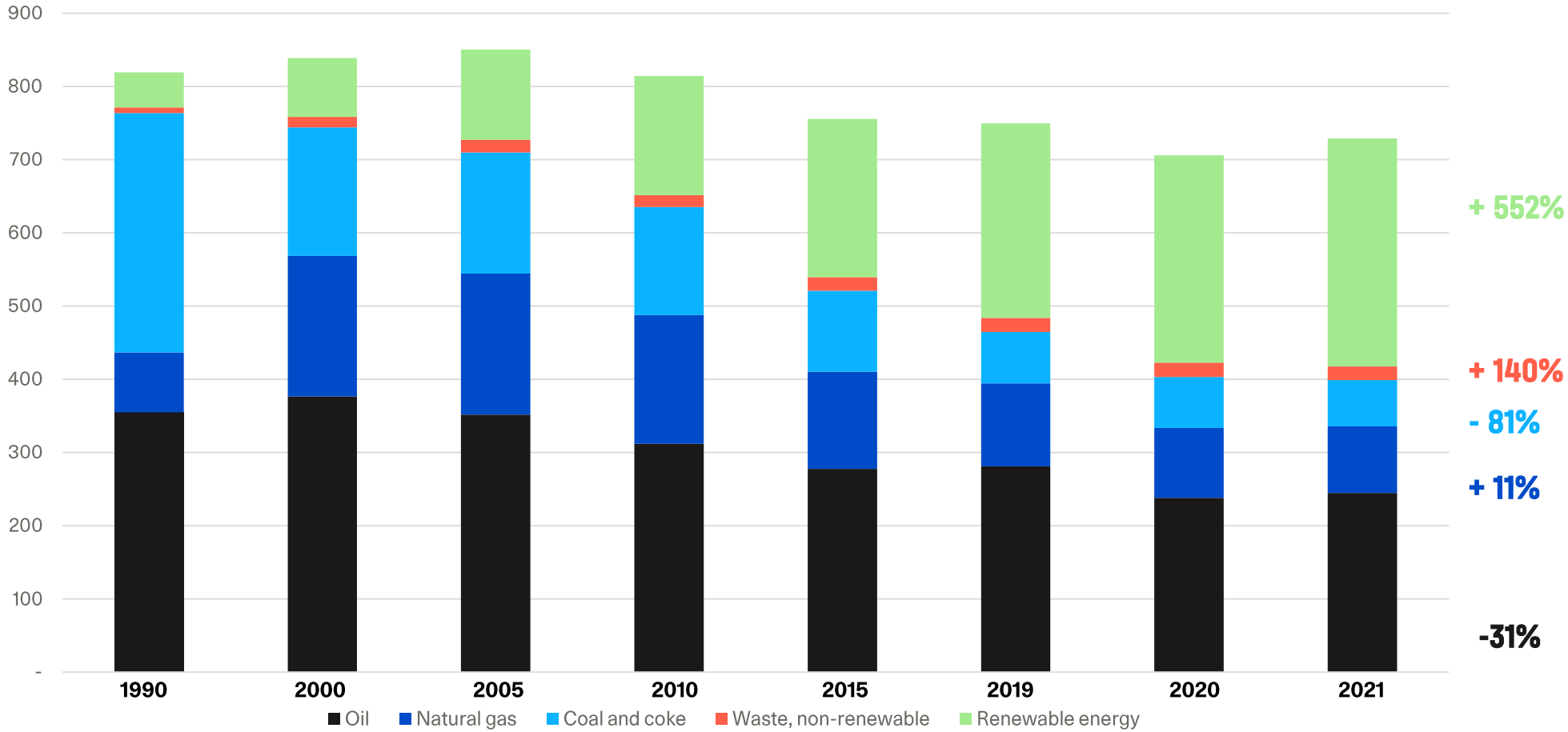
- 2020** Action plan for climate neutral water and waste sectors by 2030
- 2020** New waste management plan: all Danes must sort their waste into ten fractions at home
- 2021** 94/98 Danish municipalities are developing climate action plans

> Energy

- 2020** Denmark's first legally binding climate act – 70% reduction by 2030
- 2020** Plan to establish the world's first energy islands
- 2020** Agreement to end new oil and gas exploration in the Danish North Sea

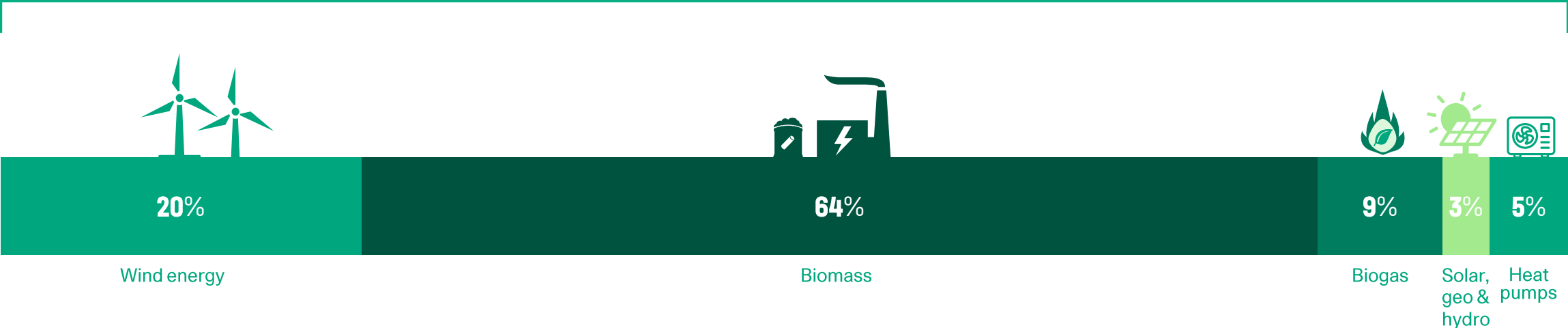
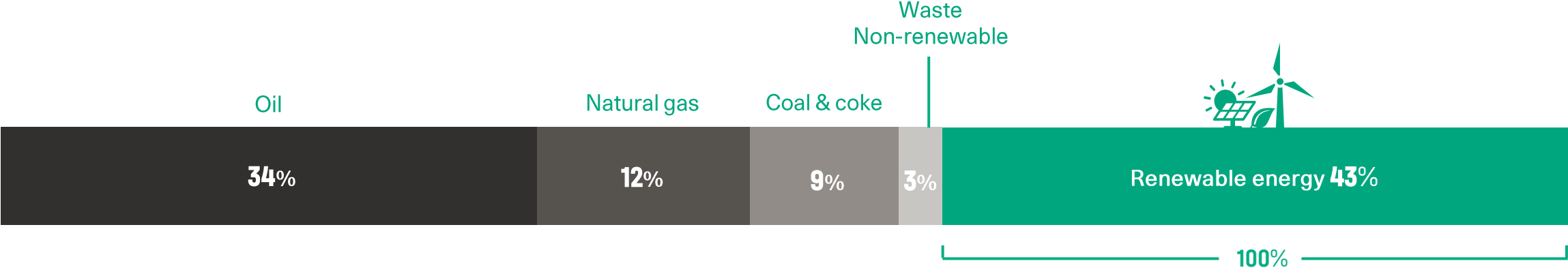
Denmark's energy mix over time

Gross energy consumption* (PJ)



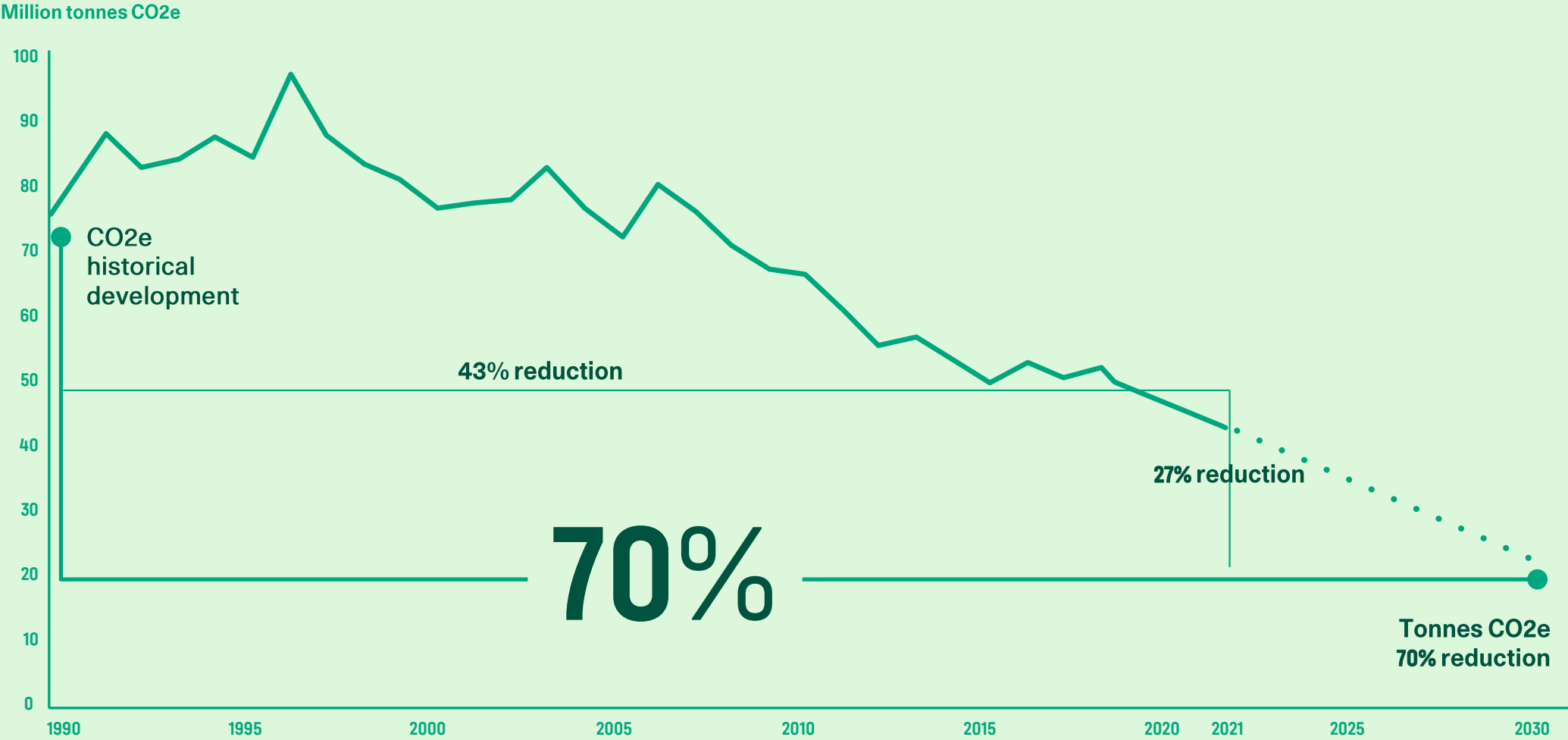
*Adjusted for climate variations and for fuels for net electricity

Denmark's energy mix 2021



*Total gross energy consumption, adjusted (2021)

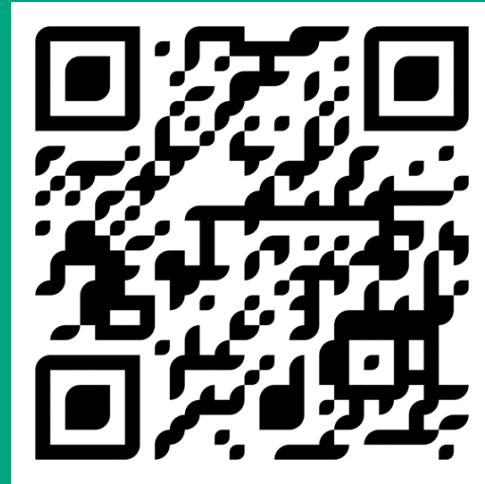
Denmark has come far already. But we must go further. Faster



An aerial, top-down view of two construction workers on the white deck of a ship. Both workers are wearing bright orange safety vests and orange hard hats. They are standing on the deck, which is bordered by black metal railings. The ship is moving through dark blue, choppy water, with white wake visible. The text "The journey starts here" is overlaid in white, sans-serif font across the center of the image.

The journey starts here

Thank you!
Connect. Inspire. Share. Think Denmark



Scan the QR code and let us
know how we did