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# **Kingdom of Denmark European Green Bond Investor Day**



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# Agenda

- 09:45:** **Ulrik Nødgaard, Governor of Danmarks Nationalbank**  
*Welcome and initial remarks*
- 10:00:** **Jeppe Bruus Christensen, Minister for Green Transition**  
*Denmark's overarching climate plan and the Green Tripartite Agreement for a greener Denmark*
- 10:20:** **Henrik Nørby, Head of Government debt management, Danmarks Nationalbank**  
*Kingdom of Denmark's European Green Bond Factsheet*
- 10:40:** **Break**
- 11:00:** **Jacob Kirk Jensen, The Ministry of Green Transition**  
*Case study: Afforestation and conversion of low-lying soils*
- 11:20:** **Nicolas Laporte, Energinet**  
*Case study: Investments in the electricity grid*



*Scan programme here*

# Welcome and Opening Remarks

*Ulrik Nødgaard,  
Governor at Danmarks Nationalbank*



# The Kingdom of Denmark is issuing European Green Bonds to:

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01

Promote the **continued development** of green capital markets

02

Support regulation that **enhances transparency**

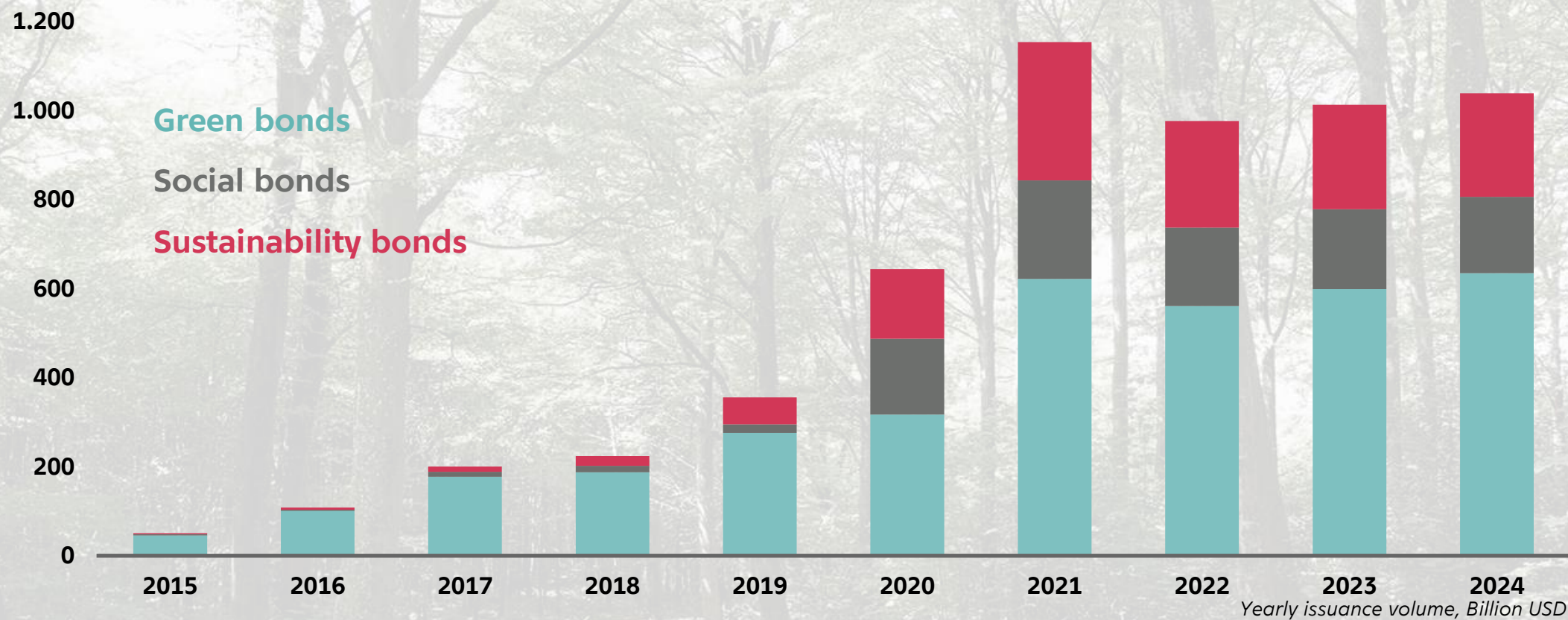
03

Maintain a **broad and diversified** investor base in Danish government bonds



# The market for green bonds has grown significantly in recent years...

...driven by increasing investor interest and a strong policy focus on sustainable finance



Yearly issuance volume, Billion USD

Source: EF Data

Note: Sustainability bonds also include Sustainability-linked bonds

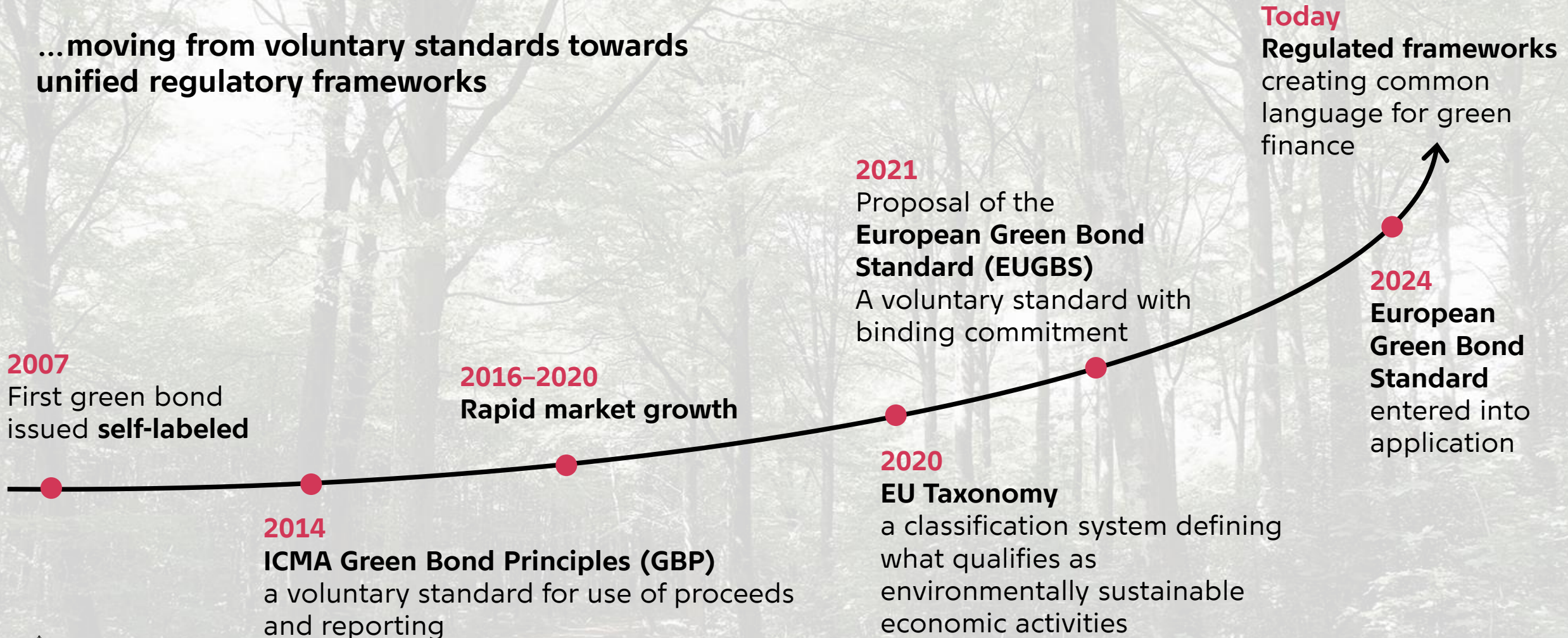


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# Regulation of green bonds has evolved ...

...moving from voluntary standards towards unified regulatory frameworks



# Denmark's overarching climate plan and the Green Tripartite Agreement for a greener Denmark

*Jeppe Bruus Christensen,  
Minister for Green Transition*



# Denmark's overarching climate plan and the Green Tripartite Agreement for a greener Denmark

*Jeppe Bruus Christensen,  
Minister for Green Transition*



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# Kingdom of Denmark European Green Bond Factsheet

*Henrik Nørby,  
Head of Government Debt Management*



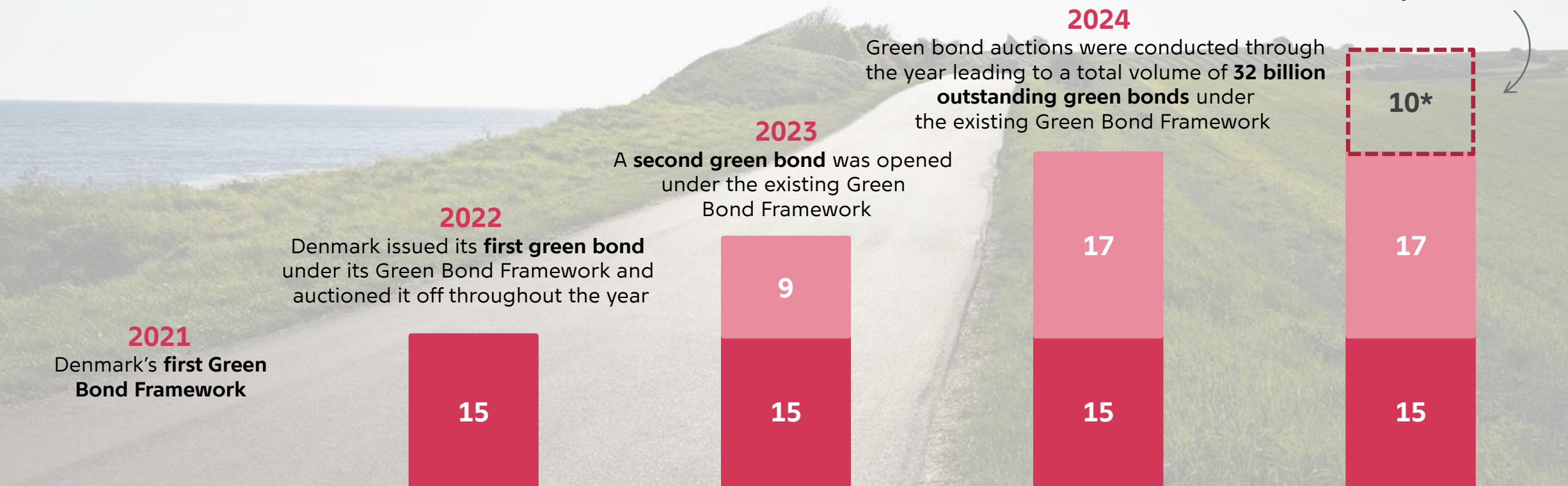
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# Kingdom of Denmark will be the first sovereign to issue EuGBs and has been issuing green bonds since 2022...

...Financing yearly expenditures and investments by the central government, supporting climate sub-goals

**2025**  
A new EuGB Factsheet is published, with the **first sovereign issuance of EuGB** planned





# Kingdom of Denmark's green bond programme: Transparent, aligned, and recognized as best market practice

1

## Alignment with the EuGB Standard

### EU Taxonomy alignment:

- ✓ Substantially contribution
- ✓ DNSH
- ✓ Minimum safeguards

### Factsheet:

- ✓ Allocation- and Impact reporting
- ✓ External verification

2

## Alignment with ICMA Green Bond Principles

1. Use of Proceeds
2. Process for project evaluation and selection
3. Management of proceeds
4. Reporting and external review

3

## A Factsheet of the highest standard - reviewed by Sustainable Fitch



ICMA Green  
Bond Principles





# European Green Bond Documents Overview



## Kingdom of Denmark European Green Bond Factsheet



**Annex I  
Selection and  
Evaluation of Eligible  
Green Expenditures  
and Management of  
Proceeds**



**Annex II  
Do No Significant  
Harm  
Alignment**



**Annex III  
Minimum Safeguards  
Compliance**



**Annex IV  
Projected Eligible  
Green Expenditures**



# Proceeds will be allocated to sectors that will drive the green transition

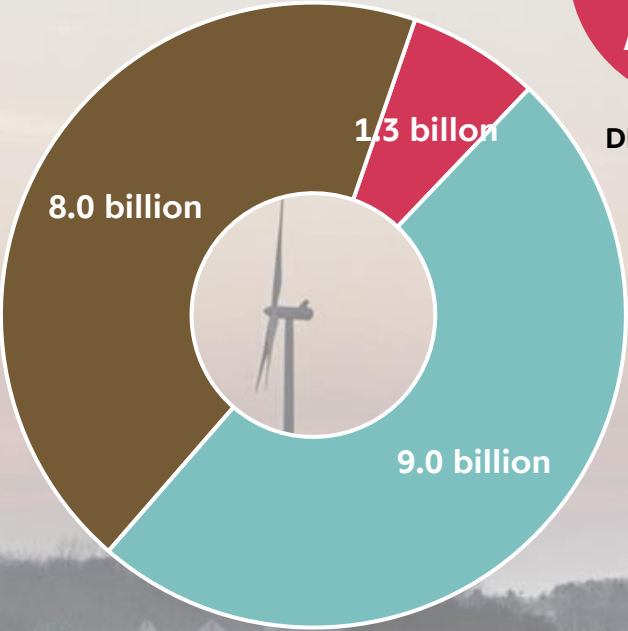
## Renewable Energy



## Sustainable Land Use



## Clean Transportation





# Inaugural EuGB to be opened in the near future

## Strategy for 2025

- EuGBs are issued as **twin bonds**
- 10-year EuGB bond **launched via syndication** at benchmark size
- Will afterwards be **regularly offered via auctions**
- Up to **DKK 10 billion** will be issued in 2025.

Planned issuance  
in 2025

10

DKK, billion

# Break

*Be back at 11:00*



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# Case Study: Land Use and Climate Projects

*Jacob Kirk Jensen, Head of Office Ministry for the Green Tripartite Agreement*



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Ministry of Green Transition

# The Agreement on a Green Denmark: Afforestation and conversion of low- lying soils

Jacob Kirk Jensen, Head of Division  
Ministry of Green Transition

Kingdom of Denmark European Green Bond Investor Day  
September 12<sup>th</sup> 2025


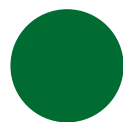
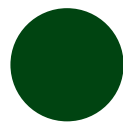

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# Agenda

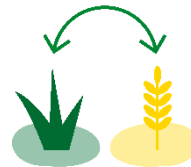
-  Agreement on a Green Denmark
-  Denmark's Green Land Fund
-  Afforestation
-  Conversion of carbon-rich low-lying soils



# Agreement on a Green Denmark

## Key objectives

- Climate solution for Danish agriculture
- A comprehensive plan for a better aquatic environment
- Forward-looking and sustainable agriculture sector
- Afforestation, nature and biodiversity



## Primary measures

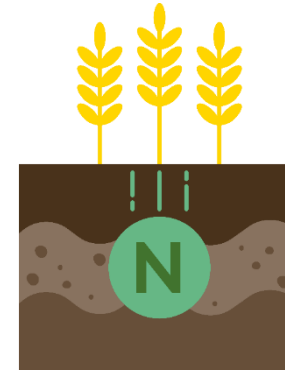
- Denmark's Green Land Fund
- New Nitrogen Regulation of farm activities
- 23 local tripartite groups established in charge of local transformation plans
- Tax on emissions from carbon-rich low-lying soils and agricultural lime introduced in 2028
- World's first climate tax on greenhouse gas emissions from livestock to be introduced in 2030



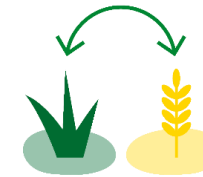


# Denmark's Green Land Fund

Funding efforts aiming at reducing nitrogen emissions to the aquatic environment, reducing CO<sub>2</sub>-emissions and creating more nature



An umbrella of governmental initiatives related to the green re-organization of land use



A total of 43 billion DKK ~5.8 billion €, financed by the Danish state budget

Additional funding from re-allocations and reserves from the EU Common Agricultural Policy (~5,3 billion DKK) and private foundations till 2027





# Denmark's Green Land Fund

## Initiatives



Afforestation



Re-wetting drained peatlands

Wetland projects



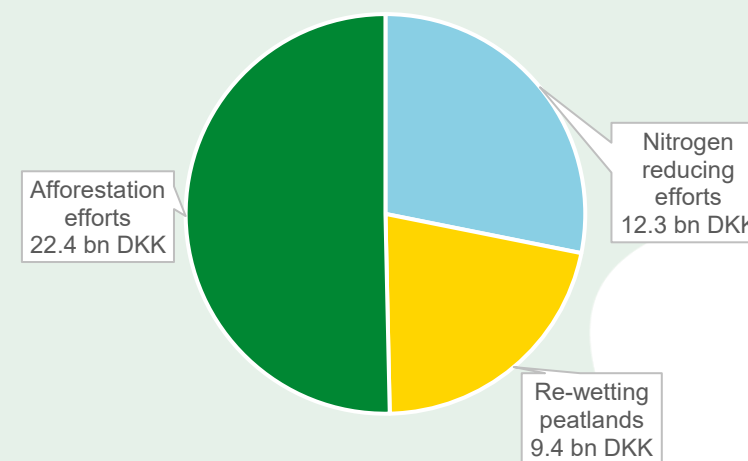
Permanent and temporary  
extensification

Urgent measures in the most  
challenged areas

## Goal

250,000 hectares,  
incl. 100,000 hectares  
unmanaged forest

140,000 hectares of  
peatlands







# The financing of Denmark's Green Land Fund

<i>DKK (million)</i>	2024	2025*	2026	2027	2028	2029	2030	Total
<b>National funding</b>	<b>1,342</b>	<b>4,081</b>	<b>5,332</b>	<b>5,369</b>	<b>4,346</b>	<b>3,543</b>	<b>3,426</b>	<b>27,439</b>
<b>Forests</b>		<b>782</b>	<b>786</b>	<b>797</b>	<b>884</b>	<b>965</b>	<b>991</b>	<b>5,205</b>
Afforestation, subsidy scheme for private land owners		465	460	445	485	536	552	2,943
Afforestation, subsidy scheme for unmanaged forest		272	269	261	284	314	323	1,723
Afforestation, state-owned unmanaged forest		45	57	91	115	115	116	539
<b>Carbon-rich low-lying soils</b>	<b>400</b>	<b>2,100</b>	<b>2,419</b>	<b>2,419</b>	<b>1,450</b>	<b>600</b>	<b>500</b>	<b>9,888</b>
<b>Wetlands, other measures and reserve</b>	<b>942</b>	<b>1,199</b>	<b>2,127</b>	<b>2,153</b>	<b>2,012</b>	<b>1,978</b>	<b>1,935</b>	<b>12,346</b>
EU Funding – additional funding	978	1,026	1,952	2,253	-	-	-	6,209

\* There is a minor discrepancy between the figures in the Budget Act for 2025 and the amounts presented in the financing table for Denmark's Green Land Fund.



# Afforestation

## Targets towards 2045

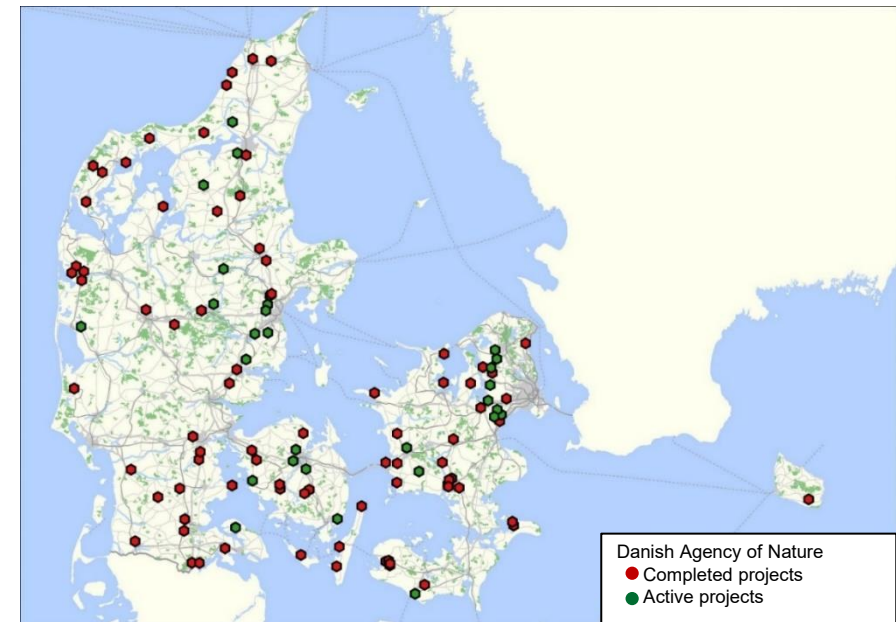
- **Total:** 250.000 hectares
  - 150.000 hectares forest with timber production
  - 80.000 hectares forest ("untouched") with focus on biodiversity
  - 20.000 hectares state-led afforestation ("untouched")

## Subsidy-schemes

- **Private afforestation (new scheme opened 8<sup>th</sup> of September 2025)**
  - 75.500 DKK/hectares (declaration on "conserveration" forest)
  - 15.000 DKK/hectares (declaration on "untouched" forest)
- **State-led afforestation**
  - 75 pct. co-financing of land costs, mainly in cooperation with municipalities and waterworks

## Estimated climate effect

Sequestration of 0,1 million tons CO<sub>2</sub> annually by 2030, increasing to 1,7 million tons CO<sub>2</sub> annually by 2045







# Conversion of carbon-rich low-lying soils

There is 118.000 hectares of farmed low-lying soils with  $\geq 6$  percent organic carbon. In total 140.000 hectares will be converted (including 70,000 hectares of adjacent farmland).

Tax on emissions from low-lying soils (40 DKK/ton CO<sub>2</sub>e) starting from 2028.  
Tax exemptions for farmers who participate voluntarily.

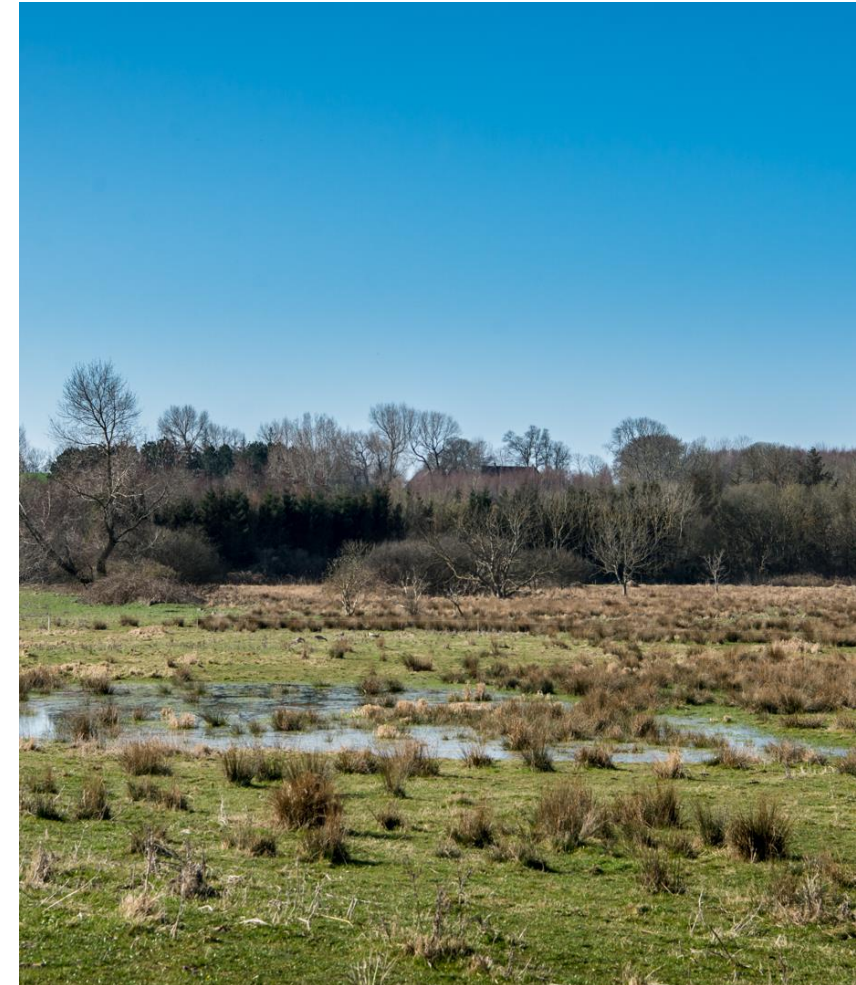
## Subsidy-schemes

- **One-off compensation (fixed rate payment)**
  - 82.500 DKK/hectare for arable land
  - 35.500 DKK/hectare for gaslands
- **Individually assessed value-loss compensation**
- **Acquisition, swap or sale of land (land consolidation)**

Status: Approval of projects for more than half of the designated goal (appr. 72.000 hectares).

## Estimated climate effect

Reduction of carbon emissions by 0,3 million tons CO<sub>2</sub> annually by 2030, increasing to 0,8 million tons CO<sub>2</sub> by 2032.

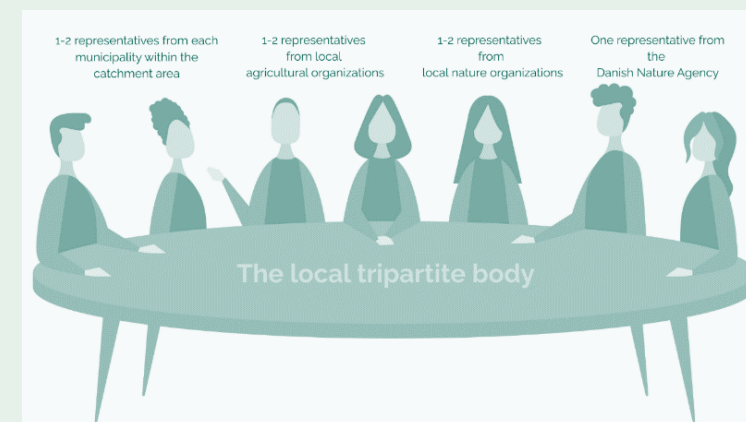




# Implementation – local anchoring through 23 local tripartite groups



- Representatives from local agricultural and nature organizations, the municipalities and the Danish Nature Agency
- Obligated to decide a local transformation plan by end of 2025 on how to locally achieve the political goals in the Agreement on a Green Denmark
- The first three transformation plans have already been approved in the local tripartite groups





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Thank you for your time and attention

A close-up photograph of a mossy rock surface. The moss is a vibrant green, growing in patches on a dark, textured rock. Several small, brown, dried leaves are scattered across the moss and rock. A white, wavy line graphic starts from the left side of the image, curves upwards and to the right, then curves downwards and to the right, ending near the bottom right corner. The background is blurred, showing more of the mossy rock.



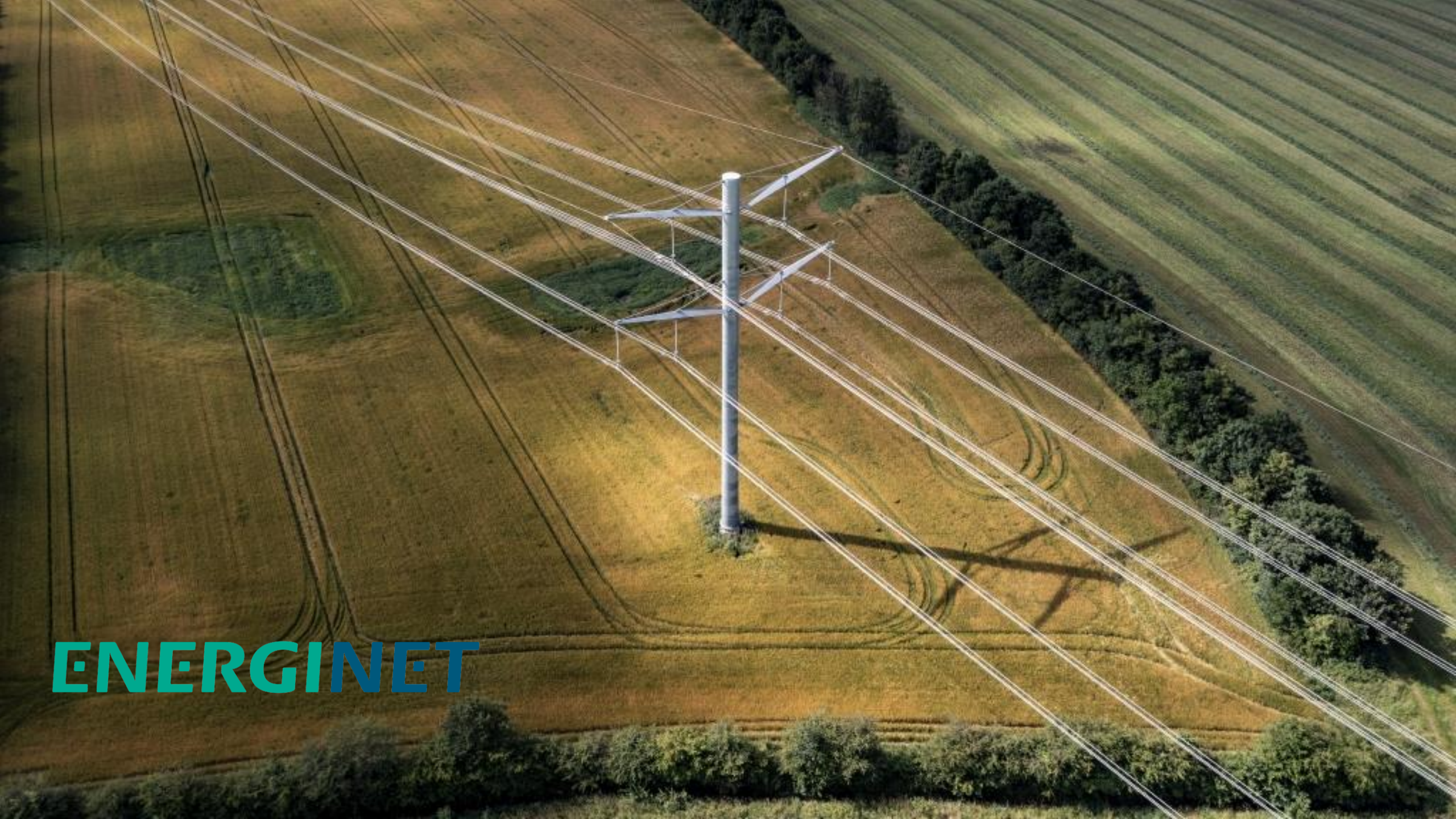
# Case Study: Investments in the Electricity Grid

*Nicolas Laporte, Senior Treasury Manager, Energinet*



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**ENERGINET**



# TODAY'S SPEAKER



NICOLAS LAPORTE

Senior Treasury  
Manager

Energinet

## WHO IS ENERGINET

Energinet is responsible for ensuring that Denmark is supplied with electricity and gas, both today and in the future.

We safeguard society's interests as we move to a 100% green energy system.

We are owned by the Danish Ministry of Climate, Energy and Utilities.



# A BALANCING ACT

We work to make sure that the green transition is carried out in an economically responsible way without compromising on security of supply.





# GREEN TRANSITION

STATUS 2024:  
63% wind and  
solar power  
38% biogas

TARGET 2030:  
70% reduced  
emissions

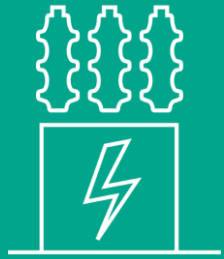
TARGET 2045:  
100% climate  
neutral society

# INVESTMENT -AND FINANCING PLAN 2025 – 2028



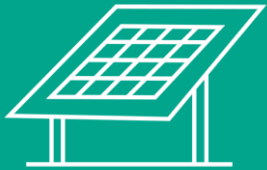


## REINVESTMENTS AND NEW FACILITIES



72

REINVESTED,  
COMMISSIONED  
STATIONS AND  
TRANSFORMERS



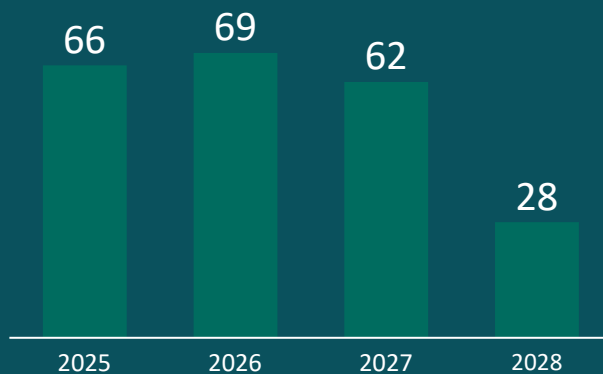
91

NEW RE-FACILITY  
CONNECTIONS

## TOTAL INVESTMENTS 2025 – 2028



## NEW ELECTRICAL PROJECTS IN PIPELINE



## FINANCING REQUIREMENTS

8,5 DKK B.



5,5 DKK B.

2025

2026

## LEGAL REQUIREMENTS FOR INCREASED INVESTMENTS IN SECURITY



3,1 DKK B.



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# TOP 4

## PREREQUISITES FOR THE ENERGY SYSTEM OF THE FUTURE

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1. The power grid must be expanded to meet future needs
2. The power grid must be utilized in the best possible way
3. There is an increased need for ancillary services to maintain power system stability
4. Green gas grid must be competitive

# SELECTED PROJECTS

## NEW ELECTRICITY GRID ARHUS-AABENRAA

*– reinforcing to support a consumption area*

## WEST COAST CONNECTION

*– reinforcing to support a production area*

- ✓ The EU Taxonomy recognizes the electricity grid as Green
- ✓ Documented as Green in Energinet's Annual Report
- ✓ Opportunity for Green Financing



# NEW ELECTRICITY GRID AARHUS-AABENRAA

BUDGET 13,8 DKK B.



# THE POWER GRID IS WORN AND NEEDS TO BE REPLACED

- The existing 400 kV overhead line dates to the 1970s.
- It has reached the end of its service life.
- It is facing a comprehensive renovation.



# NEED TO STRENGTHEN THE ELECTRICITY GRID

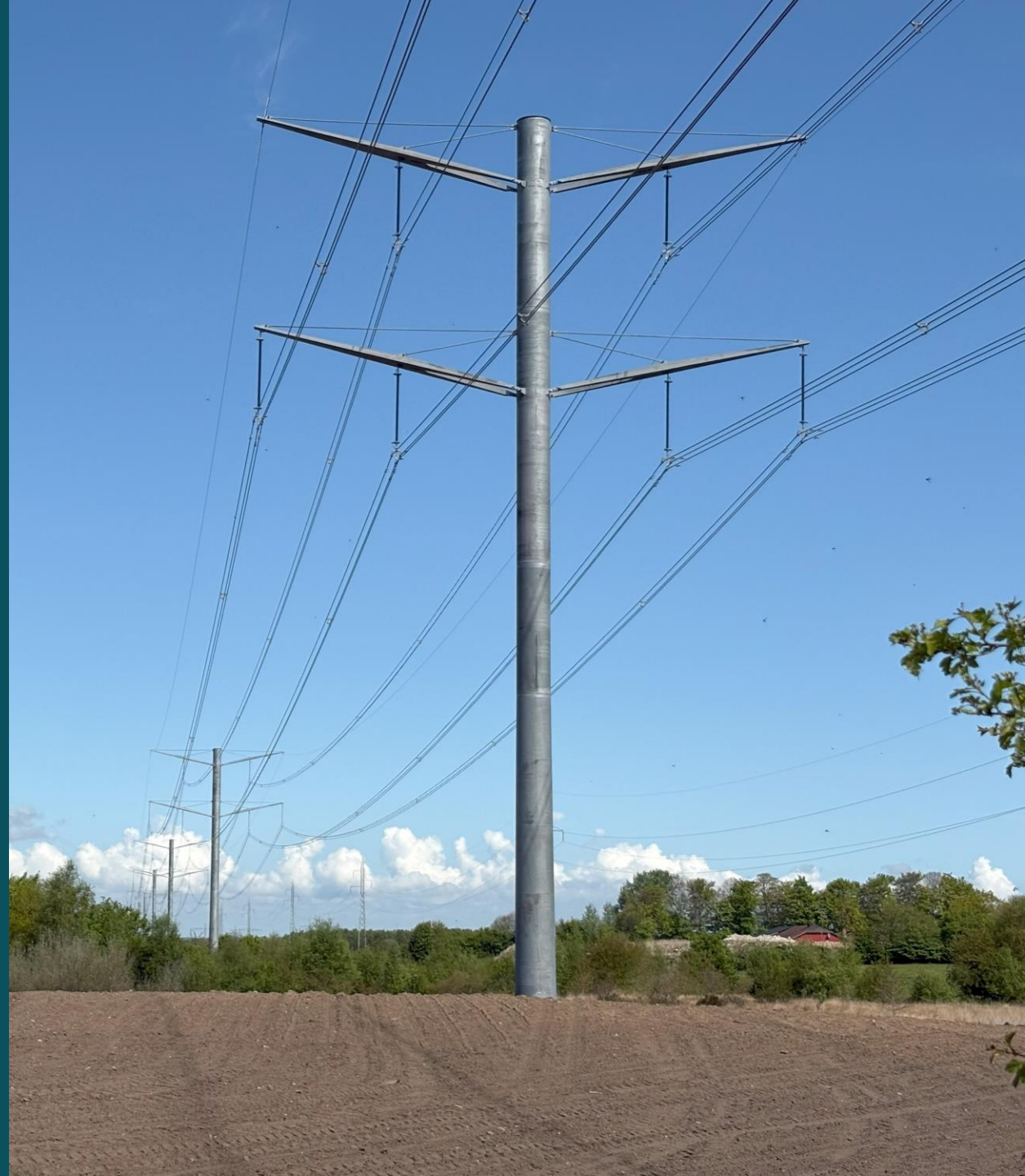
- Need to take action now
- Potential threat to supply security
- Risk of delaying the green transition
- Reinforcing instead of renovation only





# THE LOOK OF THE PYLONS

- The Eagle pylon consists of a single tube with support arms on the sides.
- The pylons are approximately 44 meters tall and 30 meters wide.
- They are placed at intervals of about 240 to 350 meters



# MANY CONSIDERATIONS

- Cities and residential areas
- Property-specific conditions
- Conservation areas, forests, and protected nature
- Existing infrastructure (railways, motorways, electricity and gas pipelines, wind turbines, etc.)
- Terrain conditions
- Groundwater and surface water (streams and lakes)

# WEST COAST CONNECTION

BUDGET 4,9 DKK B.





# PURPOSE

The West Coast project – two projects

## Endrup-Idomlund

- Reinforcement of the electricity transmission grid in Western Jutland.

## Endrup-border

- To accommodate the 1400 MW connection to England (Viking Link).
- When operational the capacity increases from 2500 MW to 3500 MW and secures full utilization of Viking Link.



# WHAT NEEDS TO BE BUILT AND REMOVED?

To be built:

- 172 km of 400 kV transmission line
- New 400 kV substation at Stovstrup near Tarm
- Expansion of the Endrup and Idomlund substations

To be removed:

- 81 km of 150 kV overhead line running parallel to the new line and all overhead lines in Tønder and Esbjerg community







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VISION

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# GREEN ENERGY FOR A BETTER WORLD

THANK YOU FOR YOUR TIME!





# RELEVANT LINKS

[Annual magazine 2025: GREEN TRANSITION - IS THE BATTERY FLAT?](#)

[Energinets Integrated Annual report 2024](#)

# Thank you for your time!

Networking and goodbye until 12 pm.