

# EXTENDED PROGRAMME

11-22 OCTOBER

TOWARDS 2030: RESHAPING  
THE EUROPEAN ENERGY SYSTEM

#EUSEW2021



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# BEST PRACTICE AND SUCCESS STORIES FOR GREEN INVESTMENTS AND REFORMS

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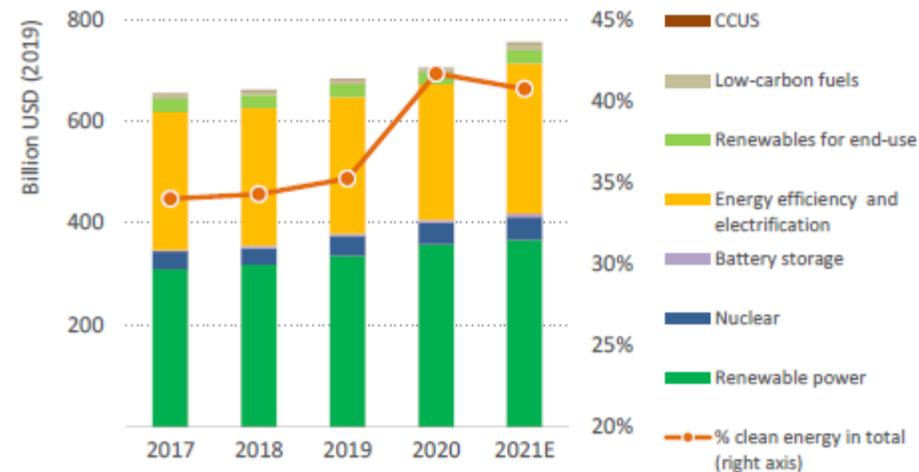
# HAS THE GREEN TRANSITION TAKEN OFF ALREADY?

## IEA World Energy

### Investment Outlook 2021:

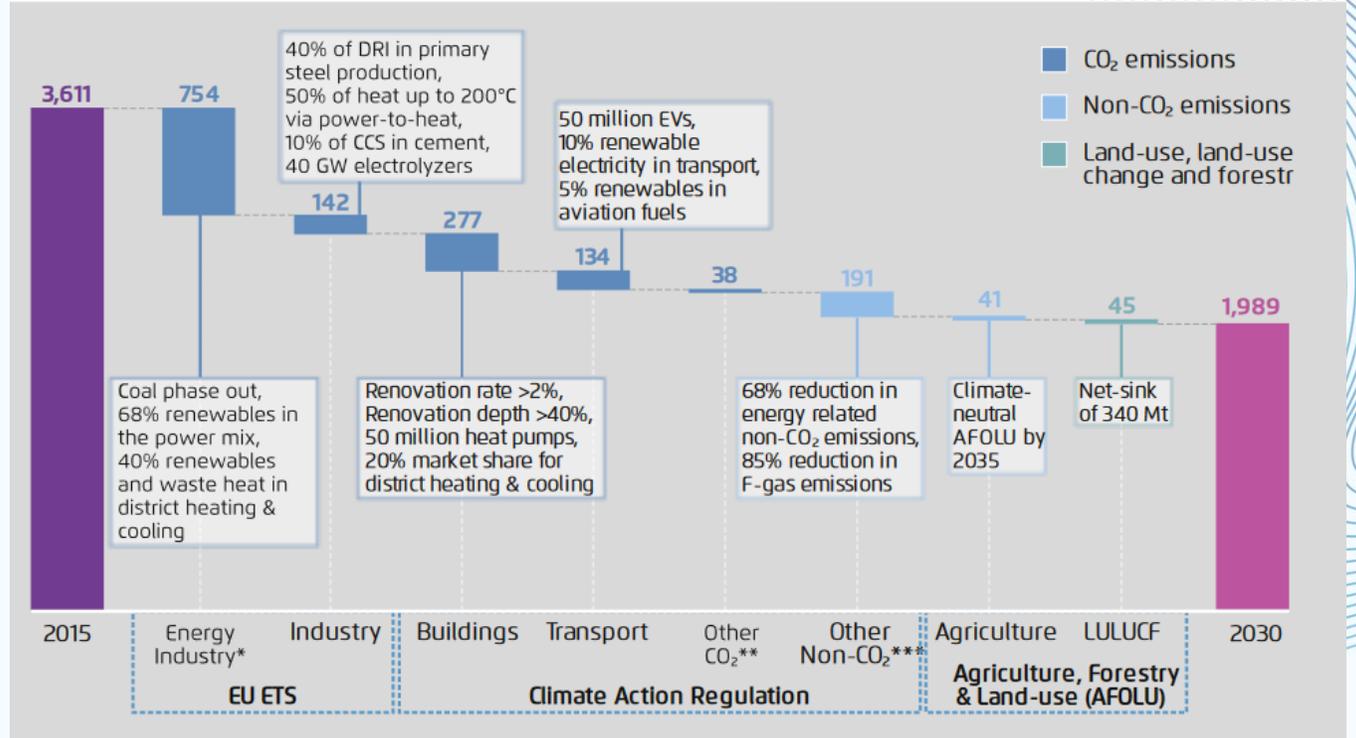
*"Clean energy investments accelerate, but not yet at pace needed"*

Global investment in clean energy and energy efficiency, 2017-2021



IEA. All rights reserved.

## What is needed for the EU by 2030?



\* Energy industry includes power generation, energy branch, refineries and district heating.

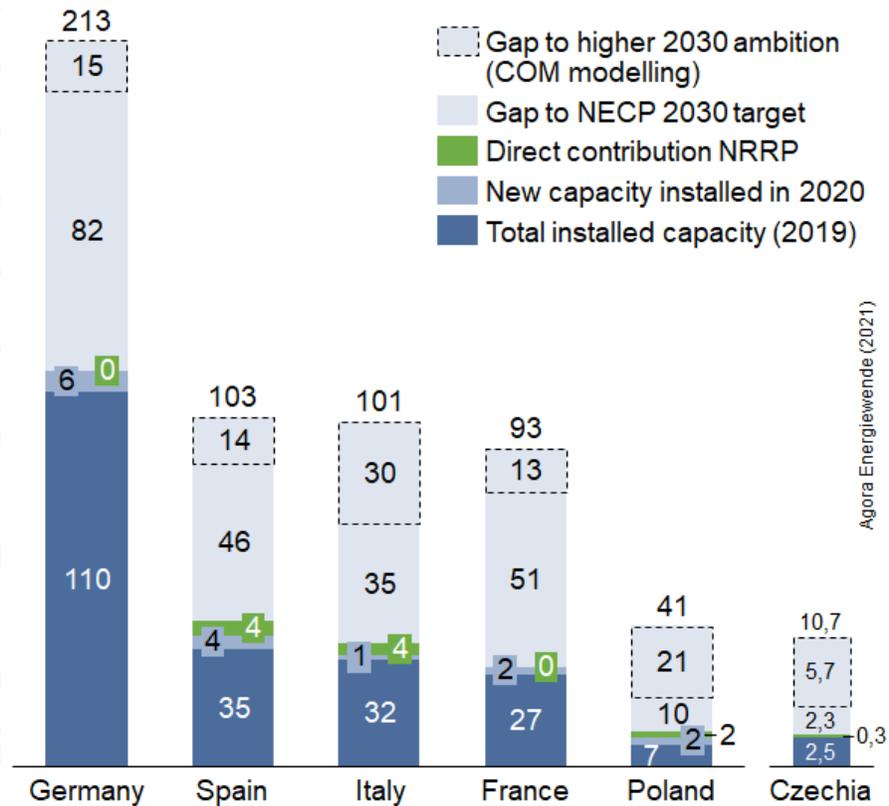
\*\* Other CO<sub>2</sub> emissions includes CO<sub>2</sub> emissions from agriculture.

\*\*\* 340 Mt is based on the COM LULUCF+ Scenario. The net-sink in the MIX scenario is 295Mt.

Agora Energiewende (2021) based on the MIX and LULUF+ Scenarios of the European Commission Impact Assessment for 2030 Climate Target Plan.

# IS THE RECOVERY FUNDING PROVIDING A GREEN BOOST?

Solar PV and wind power generation capacities (GW)



Agora Energiewende (2021)

## Green Flagships

### CHARGE UP

1 million charging points by 2030

**Planned** (in 22 RRP's endorsed by COM so far)

→ ca 800.000 charging points

### POWER UP

200 GW additional RES capacity by 2025

→ ca 20 GW RES

6 GW electrolyser capacity by 2025

→ 2.2 GW electrolysers

# PROJECT 1: TRANSFORMATIVE INVESTMENTS/REFORMS IN 5 EU COUNTRIES



- Project in cooperation with national think-tanks/universities and sustainable finance experts
- Building on currently planned national policies and investments in NECPs and recovery plans, having in mind higher ambition
- Outcome in the form of ready-made components that can be integrated into planning for other EU funds, inform recovery plan implementation, Clean Package transposition and inspire stakeholders in other countries
- Results to be presented in national workshops (Nov-Jan)

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# PROJECT 1: TRANSFORMATIVE INVESTMENTS/REFORMS IN 5 EU COUNTRIES

## PROPOSED COUNTRY SPECIFIC READY- MADE COMPONENTS FOR HIGHER AMBITION (SELECTION)

- IMPLEMENT FISCAL REBATE MECHANISM FOR NEAR-ZERO-ENERGY-BUILDINGS AND ROTATIVE FUND FOR RENOVATION OF SCHOOLS AND PUBLIC HOUSING. 
- SUBSTITUTE 4M CONVENTIONAL BOILERS WITH HEATPUMPS. 
- 20,000 NEW FAST/ULTRA-FAST PUBLIC CHARGING POINTS BY 2025. 
- INSTALLATION OF 10 GW OF NEW SOLAR PV CAPACITY OVER THE NEXT 5 YEARS. 
- SIGNIFICANTLY IMPROVE SYSTEM FLEXIBILITY OF GRID NETWORK WITHIN THE NEXT 5 YEARS. 
- FUEL-TO-ELECTRICITY SWITCH AT 10 INDUSTRIAL PLANTS. 

# PROJECT 1: TRANSFORMATIVE INVESTMENTS/REFORMS IN 5 EU COUNTRIES

Agora  
Energiewende



**BY 2030,  
40,000 SINGLE-  
FAMILY HOUSES ARE DEEP  
RENOVATED ANNUALLY**

Buildings account for as much as 34.6% of GHG emissions  
Energy efficiency needs to be improved in approximately  
70% of the building stock

**FACTOR 2-3  
INCREASE** of the combined renovation rate and depth  
is necessary to achieve the flagship target  
within this decade

**4 MT  
CO2/YEAR** CO2 emission savings on average by 2030

**€ 12-13 BN** ..... Total investment needed for flagship  
2021-2030

**€ 3-5 BN** ..... Public funding needed for flagship 2021-  
2030

## CURRENT BARRIERS

- New Green Savings Programme even though good is not taken up sufficiently (survey 2019: only 7% of private renovators used state subsidy scheme)
- Lack of deep renovations, DIY and self financing dominante

## OBJECTIVE OF THE PROPOSED COMPONENT

Significantly scale up the existing New Green Savings programme to ensure combined renovation rate and depth (over 60% energy savings compared to pre-renovation levels) is improved by a factor 2-3, going beyond the medium level improvement agreed in recovery milestones/targets.

## PROPOSED REFORMS (EXAMPLES)

**Reform 1:** Additional public funding of at least EUR 1 bn for single-family buildings (dedicated (soft) loans with public guarantee) using additional EU and national funding (e.g. ETS revenues)

**Reform 2:** New technical assistance by independent expert, occurring at two steps (fully-funded initial energy assessment and partially-funded deeper consultation to decide on renovation measures)

**Reform 3:** A new information campaign addressing home-owners promoting the Green Savings Programme and the benefits of deep renovations

LAUNCH  
WORKSHOP

23 NOV 2021

14-16 H

PRAGUE & ONLINE

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**SUSTAINABLE  
ENERGY WEEK**

# PROJECT 2: SUCCESS STORIES FOR CLIMATE NEUTRALITY



- Another ongoing AGORA project to inspire decision makers that seek rapid action
- Webpage with interactive EU map to be launched on 8<sup>th</sup> November 2021
- Short videos on best practices in decarbonizing buildings, industry, transport, power
- Easy to grasp and interactive, focus on enabling policies
- *Teaser during coffeebreak later!*



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