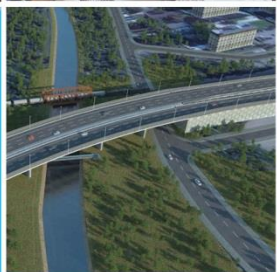
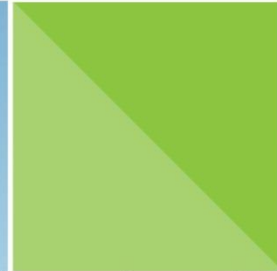




European  
Commission



# CLEAN ENERGY FOR ALL EUROPEANS

## Energy Union Governance

3<sup>rd</sup> Energy and Climate  
Technical Working Group



Leonardo Zannier  
DG Energy, Unit A1



# GOVERNANCE PROCESS – How does it work ?

## MAIN ELEMENTS OF THE ENERGY UNION GOVERNANCE

**National Integrated Energy and Climate Plans  
(2021 to 2030)**

(preparation well before 2020)

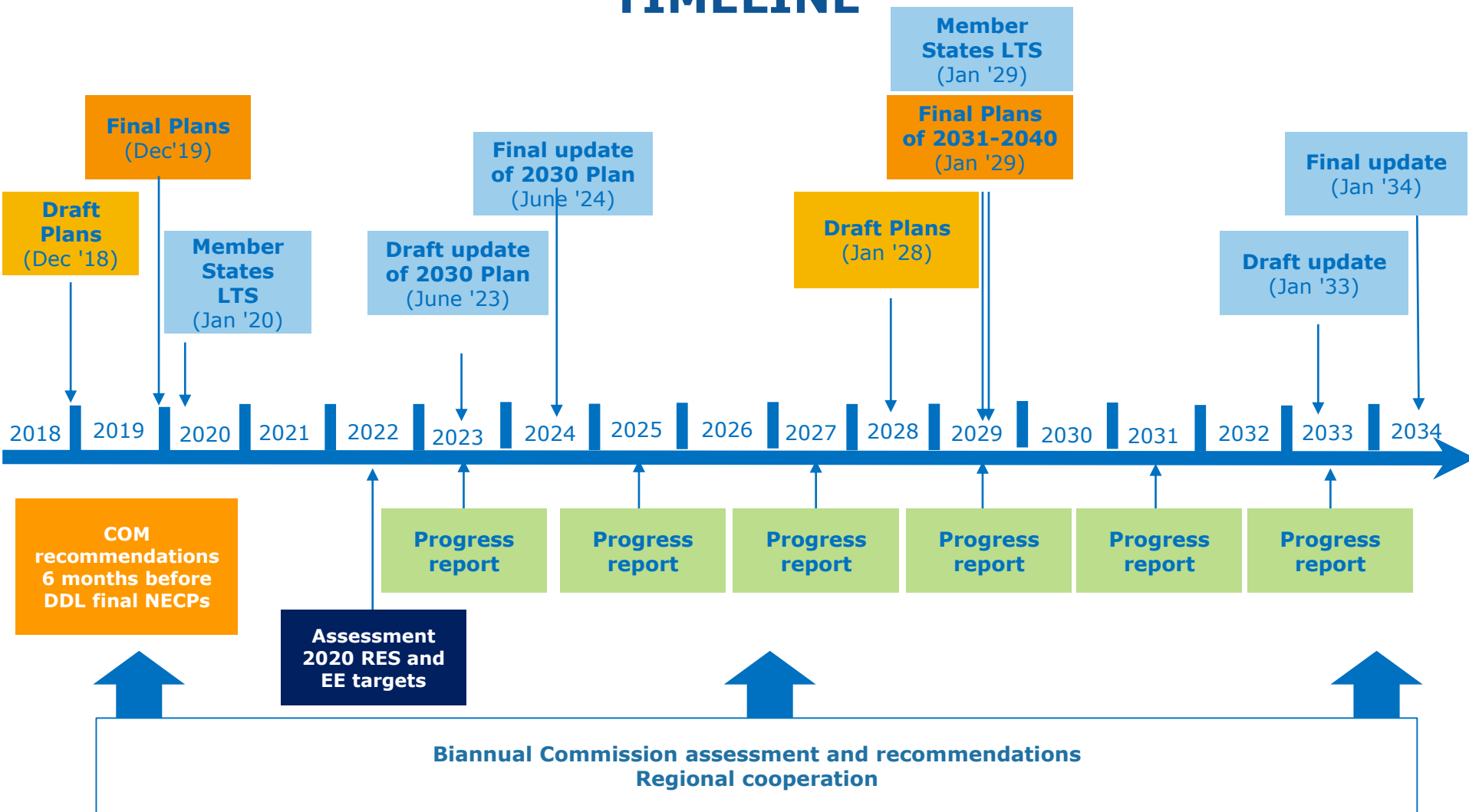
**Integrated national progress reports**

(from 2023, every two years)

**European Commission monitoring**

(State of the Energy Union)

# TIMELINE



# ANNEX I

## Integrated National Energy and Climate Plans

### PART A NATIONAL PLANS

### PART B ANALYTICAL BASIS

#### 1. Overview and Process for Establishing the Plan

#### ENERGY UNION Dimensions

Decarbonisation

Energy  
efficiency

Energy security

Internal energy  
market

R&I and  
competitiveness

#### 2. National Objectives and Targets

#### 3. Policies and Measures

#### 4. Current Situation and Projections with Existing Policies and Measures

#### 5. Impact Assessment of Planned Policies and Measures

# ANNEX I

## 1. Overview and Process for Establishing the Plan

<p><b>Executive summary</b></p>	<ul style="list-style-type: none"> <li>• Political, economic, environmental and social context</li> <li>• Strategy relating to the five dimensions</li> <li>• Key objectives, policies and measures</li> </ul>
<p><b>Overview of current policy situation</b></p>	<ul style="list-style-type: none"> <li>• Energy system and policy context</li> <li>• Energy and climate policies and measures</li> <li>• Key issues of cross-border relevance</li> <li>• Administrative structure of policy implementation</li> </ul>
<p><b>Consultation and involvement of national and EU entities and their outcome</b></p>	<ul style="list-style-type: none"> <li>• Involvement of national parliament</li> <li>• Involvement of local and regional authorities</li> <li>• Consultations of stakeholders</li> <li>• Consultations with other MS</li> <li>• Iterative process with the Commission</li> </ul>
<p><b>Regional cooperation in preparing the plan</b></p>	<ul style="list-style-type: none"> <li>• Elements subject to joint or coordinated planning with other MS</li> <li>• Explanation of how regional cooperation is considered</li> </ul>

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Energy Union Dimensions	2. National Objectives and Targets (Selection of Examples)
<p><b>Decarbonisation</b> (2030 Framework target)</p>	<ul style="list-style-type: none"> <li>• <b>GHG emissions: Non-ETS and economy-wide objectives and targets</b></li> <li>• Trajectory for the <b>overall share of RES in final energy consumption</b> to 2030</li> <li>• Trajectory by <b>renewable technology</b> incl. expected total final energy consumption and total planned installed capacity <b>per technology and sector</b></li> <li>• Trajectory on <b>bioenergy demand</b> (heat, electricity, transport) and on <b>biomass supply</b></li> </ul>
<p><b>Energy efficiency</b> (2030 Framework target)</p>	<ul style="list-style-type: none"> <li>• Trajectory for <b>primary and final energy consumption</b> (absolute level) to 2030</li> <li>• Cumulative amount of <b>end-use energy savings</b> to 2030</li> <li>• Indicative milestones and roadmap for <b>the renovation of the national stock of residential and non-residential buildings</b>, both public and private</li> <li>• <b>Total floor area to be renovated</b> or equivalent annual energy savings</li> </ul>
<p><b>Energy security</b></p>	<ul style="list-style-type: none"> <li>• National objectives to <b>increase diversification of energy sources and supply from third countries</b> (to reduce energy import dependency)</li> <li>• <b>Increasing the flexibility</b> of the national energy system</li> <li>• Addressing constrained or interrupted supply to <b>improve the resilience of regional and national energy systems</b></li> </ul>
<p><b>Internal energy market</b></p>	<ul style="list-style-type: none"> <li>• The <b>level of electricity interconnectivity</b> in 2030 incl. strategy defined in cooperation with affected MS</li> <li>• Energy transmission infrastructure – <b>key electricity and gas infrastructure projects</b></li> <li>• <b>Market integration</b> and coupling, increasing system flexibility, ensuring system adequacy, etc.</li> <li>• National objectives and timeframe regarding <b>energy poverty</b>, if applicable</li> </ul>
<p><b>R &amp; I and competitiveness</b></p>	<ul style="list-style-type: none"> <li>• National objectives and funding targets for <b>R &amp; I (SET Plan indicators)</b> and for the <b>promotion of clean energy technologies until 2050</b>, if applicable</li> </ul>

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## ANNEX I

Energy Union Dimensions	3. Policies and Measures
Decarbonisation (2030 Framework target)	<p><b>For each of the 5 dimensions of the Energy Union:</b></p> <p>Policies and measures to <u>achieve the national target, objectives, contributions and trajectories</u> presented in section 2</p> <p><u>Regional cooperation</u> in the respective area</p> <p><u>Financing measures</u> in the respective area at national and regional level, if applicable</p>
Energy efficiency (2030 Framework target)	
Energy security	
Internal energy market	
R & I and competitiveness	

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## ANNEX I

Energy Union Dimensions	4. Current Situation and Projections with Existing Policies and Measures (Selection of Examples)
Decarbonisation	<ul style="list-style-type: none"> <li>• <b><u>GHG emissions</u></b> in the EU ETS, ESD and LULUCF sectors and <b><u>projections at least until 2040</u></b></li> <li>• <b><u>Share of RES in gross final energy consumption</u></b>, in different sectors and per technology</li> <li>• Indicative <b><u>projections of development for 2030 with an outlook to 2040</u></b></li> </ul>
Energy efficiency	<ul style="list-style-type: none"> <li>• <b><u>Primary and final energy consumption</u></b> in the economy and per sector</li> <li>• Potential for application of <b><u>high-efficiency cogeneration and district heating and cooling</u></b></li> <li>• <b><u>Projections of development</u></b> with existing policies for each sector <b><u>at least until 2040</u></b></li> <li>• <b><u>Cost-optimal levels of minimum energy performance requirements</u></b></li> </ul>
Energy security	<ul style="list-style-type: none"> <li>• <b><u>Energy mix, domestic energy resources, import dependency</u></b></li> <li>• <b><u>Projections of development</u></b> with existing policies <b><u>at least until 2040</u></b></li> </ul>
Internal energy market	<ul style="list-style-type: none"> <li>• <b><u>Electricity interconnection level and main interconnectors</u></b>, projections of interconnector expansion</li> <li>• <b><u>Electricity and gas infrastructure</u></b>, projections of network expansion at least until 2040</li> <li>• <b><u>Electricity and gas markets including energy prices</u></b>, projections of development with existing policies at least until 2040</li> </ul>
R & I and competitiveness	<ul style="list-style-type: none"> <li>• <b><u>Current situation and level of public and private spending in R &amp; I on low-carbon technologies</u></b>, N° of patents, N° of researchers, position of the sector on the global market</li> <li>• <b><u>Breakdown of current price elements</u></b> (energy, network, taxes/levies)</li> <li>• <b><u>Description of energy subsidies</u></b>, including for fossil fuels</li> </ul>

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and Projections  
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Policies and  
Measures

5. Impact  
Assessment of  
Planned  
Policies and  
Measures

## ANNEX I

Energy Union Dimensions	5. Impact Assessment of Planned Policies and Measures (Selection of Examples)
Decarbonisation (2030 Framework target)	<b><u>Impacts</u></b> of policies and measures described in section 3 on <b><u>energy system and greenhouse gas emissions</u></b> and removals, including comparison to projections
Energy efficiency (2030 Framework target)	Assessment of <b><u>interactions between policies and measures</u></b> within a policy dimension and between policies and measures of different dimensions
Energy security	<b><u>Macroeconomic, health, environmental and social impacts</u></b> (in terms of costs and benefits) of the policies and measures described in section 3
Internal energy market	<b><u>Overview of investment needs</u></b> (existing flows, investment assumptions, sector or market risk factors or barriers, analysis of additional financial support)
R & I and competitiveness	<b><u>Impacts</u></b> of policies and measures described in section 3 on energy systems and prices of <b><u>other Member States, market integration as well as regional cooperation</u></b>

## WHAT IS IMPORTANT IN THE NECPS

- 1. **Include, for all dimensions, objectives that are relevant, credible, time-related and robust**
- 2. **Ensure sufficient details, notably in terms of PaMs**
- 3. **Explore synergies across and between dimensions**
- 4. **Reflect possibilities of regional cooperation**
- 5. **Fully integrate scenarios into the NECPs**
- 6. **Ensure adequate Impact Assessment of PaMs**

## DRAFT EU NECPS

### STATE OF PLAY IN SUBMISSIONS

28 draft NECPs submitted by Feb 2019

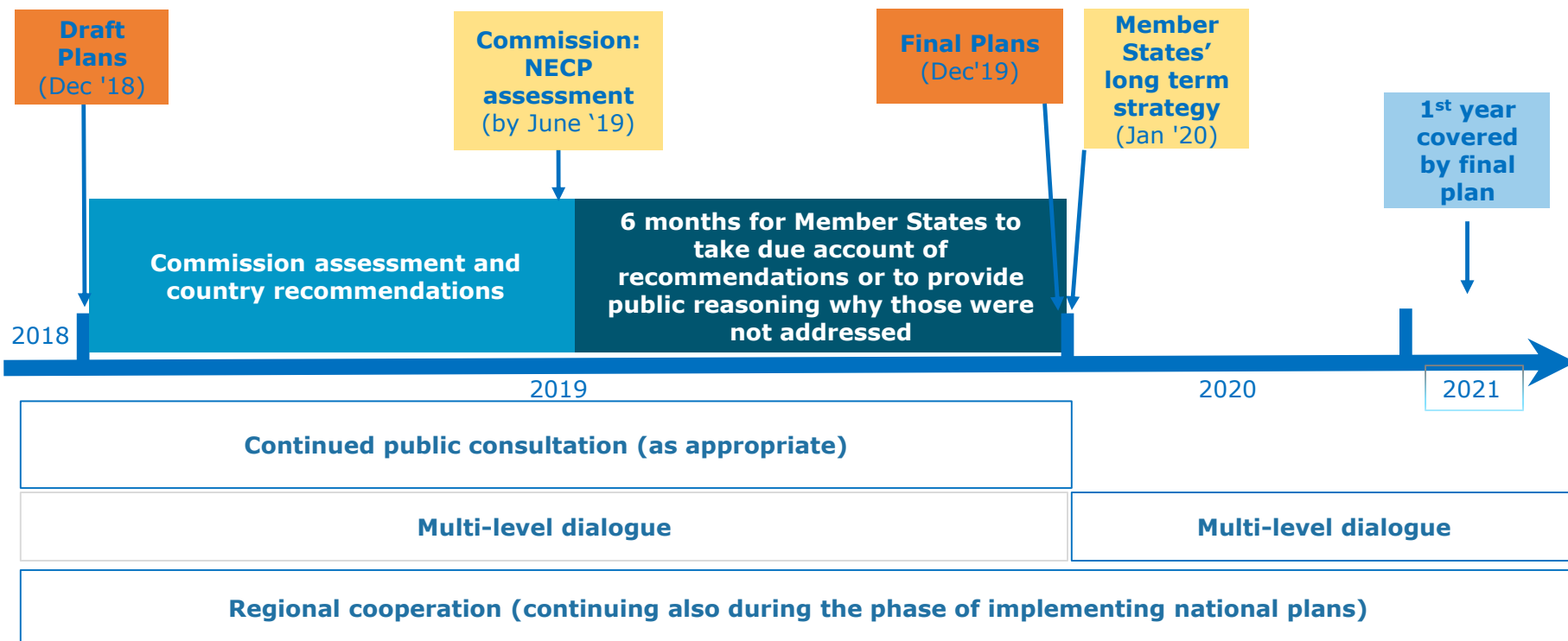
An overview table with link to the national webpages and notified NECPs published on the Energy Union website

COM providing translation to EN (already available for several MS..)

<https://ec.europa.eu/energy/en/topics/energy-strategy-and-energy-union/governance-energy-union/national-energy-climate-plans>

# FINALISATION OF THE EU NECPS

## OVERVIEW ITERATIVE PROCESS AND TIMELINE





## FINALISATION OF THE EU NECPS

### TECHNICAL AND POLITICAL EXCHANGES BEFORE THE RECOMMENDATIONS

COM visits to several capitals

TWG Workshop with MS (29-30 Jan 2019)

Further bilateral exchanges with MS

Next TWG in May

# ASSESSMENT

## SCOPE OF THE COUNTRY-SPECIFIC RECOMMENDATIONS (ART 9)

Level of ambition in view of the Energy Union objectives (2030 RES and EE targets and electricity interconnectivity for 2030)

PaMs relating to Union-level objectives

PaMs relating to Member State objectives

Other PaMs of potential cross-border relevance

Any additional PaMs that might be required

Interactions between and consistency of existing and planned policies and measures



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# THANK YOU!

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DG Energy, Unit A1*

