NATIONAL ENERGY AND CLIMATE PLANS
RECOMMENDATIONS AND AUSTRIAN NECP
OUTLINE

● EC Service Contract to assess the MSs NECP submissions
● Recommendations for NECP reporting
● Insights to preparation of Austrian NECP
ASSESSMENT OF NECP SUBMISSIONS


- Konsortium: Ricardo (Lead), Umweltbundesamt, ÖKO Institute, VITO, COWI, RAP
- Umweltbundesamt assesses 7 NECP submissions
- Assessment Criteria: Completeness, compliance, accuracy, coherence, robustness, transparency, comprehensiveness, compatibility
- Currently draft NECP submissions are reviewed → EC will provide feedback and recommendations to MS → MS prepare final NECP → submissions of final NECPs due 31.12.2019
RECOMMENDATIONS FOR PREPARING NECPS-GENERAL

- Stick to the outline as provided in Annex I - Part 1 of the Energy Governance
- Use the reporting templates for Annex I - Part 2 reporting
- Use the projections and the PAM template (same as under MMR)
- For all „where applicable“ reporting items, specify if it applies for your country or not
- Consider cross-cutting issues, such as
  - Article 3.3 – „shall“: limit administrative complexity, interlinkage, use of robust and consistent data, address energy poverty
  - Article 3.4 – „shall“: NECP shall be publicly available
- Transparently describe the modelling exercise: method applied, underlying assumptions, parameter used
RECOMMENDATIONS FOR PREPARING NECPS – CHAPTER 1 OVERVIEW

- Follow Annex I – Part I outline
- Pay attention to:
  - Consultations and involvement of national and Union entities and their outcome, see also Article 12 (2) –
    
    „Each MS shall identify opportunities for regional cooperation and consult neighbouring MS…“

  - Regional cooperation in preparing the plan, see also Article 12 (3) and 12(7)
    
    „MS may engage in voluntary joint drafting….“
    „MS may also envisage cooperation with signatories to the Energy Community and with third-country members of the European Economic Area.“
RECOMMENDATIONS FOR PREPARING NECPS
CHAPTER 2 OBJECTIVES & TARGETS

- Follow Annex I – Part I outline
- Provide info on and pay attention to:
  - Specific GHG reduction targets by 2030 (including 2021-2030 trajectory), plus any additional national targets
  - **Renewable** share in 2030 in gross final energy consumption in 2030, including trajectory 2021-2030
  - Consider reference points for 2022, 2025, 2027
  - Check Art. 5(1)e – „shall“ on relevant circumstances affecting renewable deployment (e.g. economic conditions, geographical constraints, level of power interconnection,…)
  - RES trajectories 2021-2030 for electricity, heating&cooling and transport
RECOMMENDATIONS FOR PREPARING NECPS
CHAPTER 2 OBJECTIVES & TARGETS

- Provide info on and pay attention to:
  - **Energy Efficiency**, 2030 target expressed as Primary or final energy consumption
  - see Art. 4(b)(1): „shall“: info on methodology and conversion factor used, and Art. 6(2) „shall“: circumstances affecting primary and final energy consumption
  - taken into account
  - **Energy security**: national objectives plus timeframes
  - **Interconnectivity** target for 2030 in %, consideration of indicators of the urgency of action
  - **Energy transmission infrastructure**: list key projects
  - **Market integration**: national objectives (e.g. electricity prices, smart grids, etc.) plus timeframes
  - Energy poverty: assessment of energy poverty, national objectives plus timeframes (where applicable)
  - Research, Innovation and Competitiveness: funding targets for public and private research
RECOMMENDATIONS FOR PREPARING NECPS CHAPTER 4 – PROJECTIONS WITH **EXISTING** PAMS

- Follow Annex I – Part I outline
- Use Annex I - Part 2 template (list all parameters used)
- Provide data for current level and projections with existing measures
- Clearly indicate the reference year
- Indicate which measures have been taken into account
- Describe methodology used
RECOMMENDATIONS FOR PREPARING NECPS CHAPTER 4 – PROJECTIONS WITH PLANNED PAMS

- Follow Annex I – Part I outline
- Use Annex I - Part 2 template
- Report WAM projections including impact assessment of planned measures
- Describe Macro-economic impact (cost benefit analysis)
- Assess policy interactions between existing and planned PAMs
- Provide overview of investment needs
- Describe impacts on other (Member) States, regional cooperation
RECOMMENDATIONS FOR PREPARING NECPS

- Energy Efficiency First Principle: describe how this principle has been taken into account
- Investment: provide information on investment needs and financing (see Art. 7)
- Adaptation: refer to any adaptation goals, ensure consistency
- Long-term Strategies: refer to any national long-term strategies, ensure consistency
- Renewables: check that reporting of renewables is consistent with requirements of the REDII Directive
AUSTRIAN NECP

- Based on #mission 2030 (Austria’s integrated climate and energy strategy)
- Coordinated by the ministry for the environment
- Energy department is part of the ministry for the environment since June 2018
- First round of coordination between the ministries and counties in September 2018
- Draft sent to EC end of 2018
- Consultation process with all relevant stakeholders and other EU MS planned for 2019
- New WAM scenario based on #mission 2030 by end of April, 2nd and 3rd round might be necessary to meet target
- Final version including new scenarios and coordinated policies and measures by the end of 2019
CONTACT & INFORMATION

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2030 Framework for Climate and Energy

Headline targets

- **2020**
  - **-20%** Greenhouse Gas Emissions
  - **20%** Renewable Energy
  - **20%** Energy Efficiency
  - **10%** Interconnection

- **2030**
  - **≤ - 40%** Greenhouse Gas Emissions
  - **≥ 32%** Renewable Energy
  - **≥ 32.5%** Energy Efficiency
  - **15%** Interconnection

New governance system + indicators
October 2014 European Council endorsed 2030 GHG reduction targets for ETS and Non ETS sectors

**Emission Reductions in ETS and Non-ETS Compared to 2005**

- **ETS**
  - 2020: -21%
  - 2030: -43%

- **Non-ETS**
  - 2020: -30%
  - 2030: -43%

**Non-ETS** including road transport, housing, agriculture etc.

**ETS** including power/energy sector & industry.
### ANNEX 1: Template for National Plans

**STRUCTURE OF INTEGRATED NATIONAL ENERGY AND CLIMATE PLANS**

<table>
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<tr>
<th>Energy Union Dimension</th>
<th>2. National Objectives and Targets (Examples)</th>
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| **Decarbonisation (2030 targets)** | • GHG emissions: Non-ETS targets *(Effort Sharing Regulation)*  
• National renewable energy contribution *(linear trajectory for the overall RES share in final energy consumption to 2030)* |
| **Energy efficiency (2030 target)** | • Indicative national energy efficiency contribution *(linear trajectory for primary and final energy consumption to 2030)* |
| **Energy security** | • National objectives with regard to energy security *(diversification and import dependence)* |
| **Internal market** | • The level of electricity interconnectivity in 2030, electricity and gas infrastructure objectives for 2030 |
| **R & I and competitiveness** | • National objectives for R & I *(SET Plan indicators)* |
### STRUCTURE OF INTEGRATED NATIONAL ENERGY AND CLIMATE PLANS

#### Section A
**NATIONAL PLAN**

1. Overview and Process for Establishing the Plan

#### Section B
**ANALYTICAL BASIS**

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