



Agenda | March 27th

March 27 | EnR Regular Meeting (morning)

09:00 – 09:30 | *Registration*

Welcome

09:30 – 09:40 | **Nelson Lage**, President of EnR and **ADENE**

09:40 – 09:50 | **Kristina Haverkamp**, Member of the Board of Directors, **dena**

09:50 – 10:10 | **Guest Speaker – German government representative** (*tbc*)

EnR Presidency 2022

10:10 – 10:15 | Agenda | **Luís Silva**, Cooperation and Institutional Affairs Director at ADENE

10:15 – 10:20 | EnR Presidency 2022 - Highlights | **Luís Silva**, **ADENE**

10:20 – 10:30 | EnR Presidency 2022 - Communication & Events | **Inês Mendes**, **ADENE**

10:30 – 11:00 | EnR Presidency 2022 – Studies & Publications | **Sofia Cordeiro**, **ADENE**

- (10 min) Green Jobs & Skills | **Filipa Newton**, **ADENE**

- (10 min) Renewable Energy Communities | **Manuel Casquição**, **ADENE**

11:00 – 11:30 | *Coffee-break*

11:30 – 12:00 | EnR Presidency 2022 – proposal for new WG procedures | **Inês Mendes/Sofia Cordeiro**, **ADENE**

Creation / Management / Evaluation Reactions from the room in between presentations

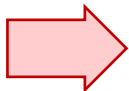
12:00 – 12:30 | EnR Members projects/initiatives

- Energy Audits Implementation in Lithuania | **Virgilijus Poderys**, **ENA**

- Just Transition and Energy Poverty | **Ármin Bóhm**, **MEKH**

- Towards a green Europe with no energy imports? | **Marian Poolen**, **RVO**

12:30 – 14:00 | *Lunch break*



EnR Members' Projects





EnR Members projects / initiatives

- Energy Audits Implementation in Lithuania
Virgilijus Poderys, ENA
- Just Transition and Energy Poverty
Ármin Böhm, MEKH
- Towards a green Europe with no energy imports?
Marian Poolen, RVO



European Energy Network

A voluntary network of European energy agencies

Virgilijus Poderys



EnR Full Member

Director of ENA, Lithuanian Energy Agency



Energy Audits Implementation in Lithuania

Virgilijus Poderys
Lithuanian Energy Agency

2023-03-27



FUNCTIONS OF LITHUANIAN ENERGY AGENCY IN ENERGY EFFICIENCY

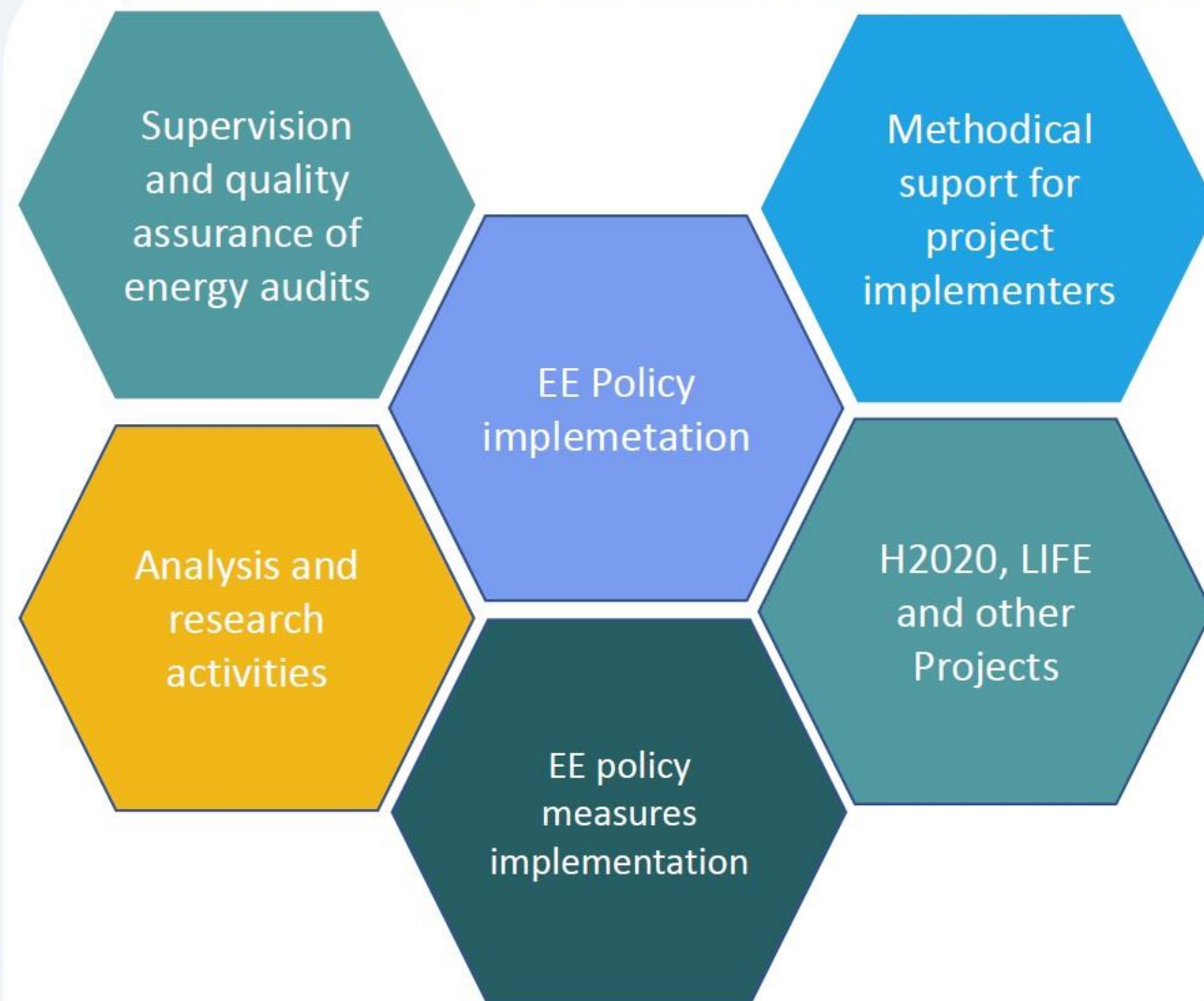
POLICY MAKING:

- Long term strategy formulation
- Goal setting
- Shaping the legislation
- Consider interest of stakeholders
- Policy review and update

POLICY IMPLEMENTATION:

- Ex-ante analysis
- Ex-post analysis
- Data aggregation and analysis
- Energy saving calculations, measurement and verification
- Monitoring EE policy measures and reporting EE progress

Key functions of ENERGY EFFICIENCY COMPETENCE CENTRE:



TASK: QUALITY ASSURANCE OF ENERGY AUDITS

The quality assurance is important duty in order to meet the EU requirements and expectations of audit customers and funds.

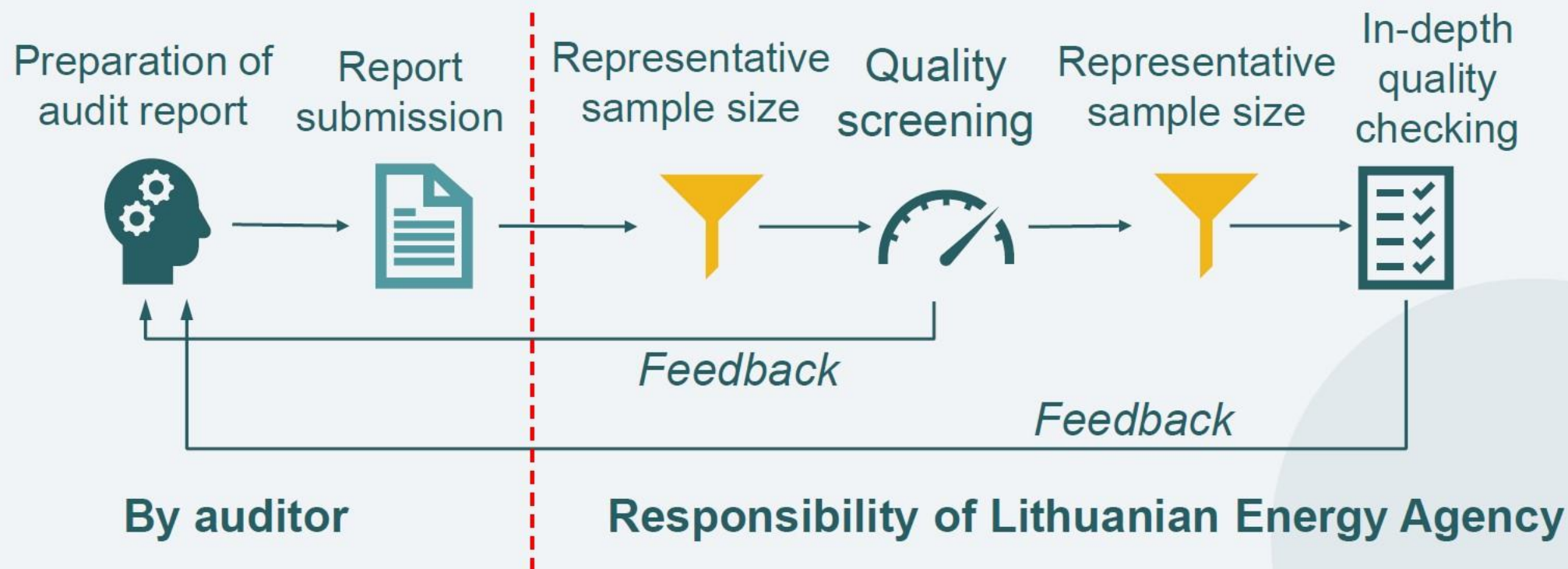
THE KEY ASPECTS



LITHUANIAN ENERGY AGENCY SUPERVISES THE AUDIT PROCESS IN LITHUANIA. DETAILED ACTIONS

- organizes the **certification** of auditors;
- manages the **register of issued certificates**;
- approves the mandatory form of the certificate;
- organizes the preparation of audit performance measures or prepares them;
- organizes and carries out **quality screening of audit reports**;
- organizes and performs audit **in-depth quality checking**;
- submits proposals to the auditor certification commission regarding the suspension of the validity of the certificate, cancellation of the suspension of validity and/or cancellation of the validity;
- **submits proposals** to the Ministry of Energy **drafting and/or amending legal acts regulating audit performance.**

QUALITY ASSESMENT SYSTEM WORKFLOW



THE SUBMISSION OF ENERGY EFFICIENCY AUDITS REPORTS

The auditors shall provide the Lithuanian Energy Agency, **twice a year**, with information on the audits carried out and copies of the reports of these audits:
in **facilities and technological processes**, **transport** and **public buildings**.

Lithuanian Energy Agency annual gets approximately:



140 in **facilities and technological processes** audits;



10 **transport** audits;



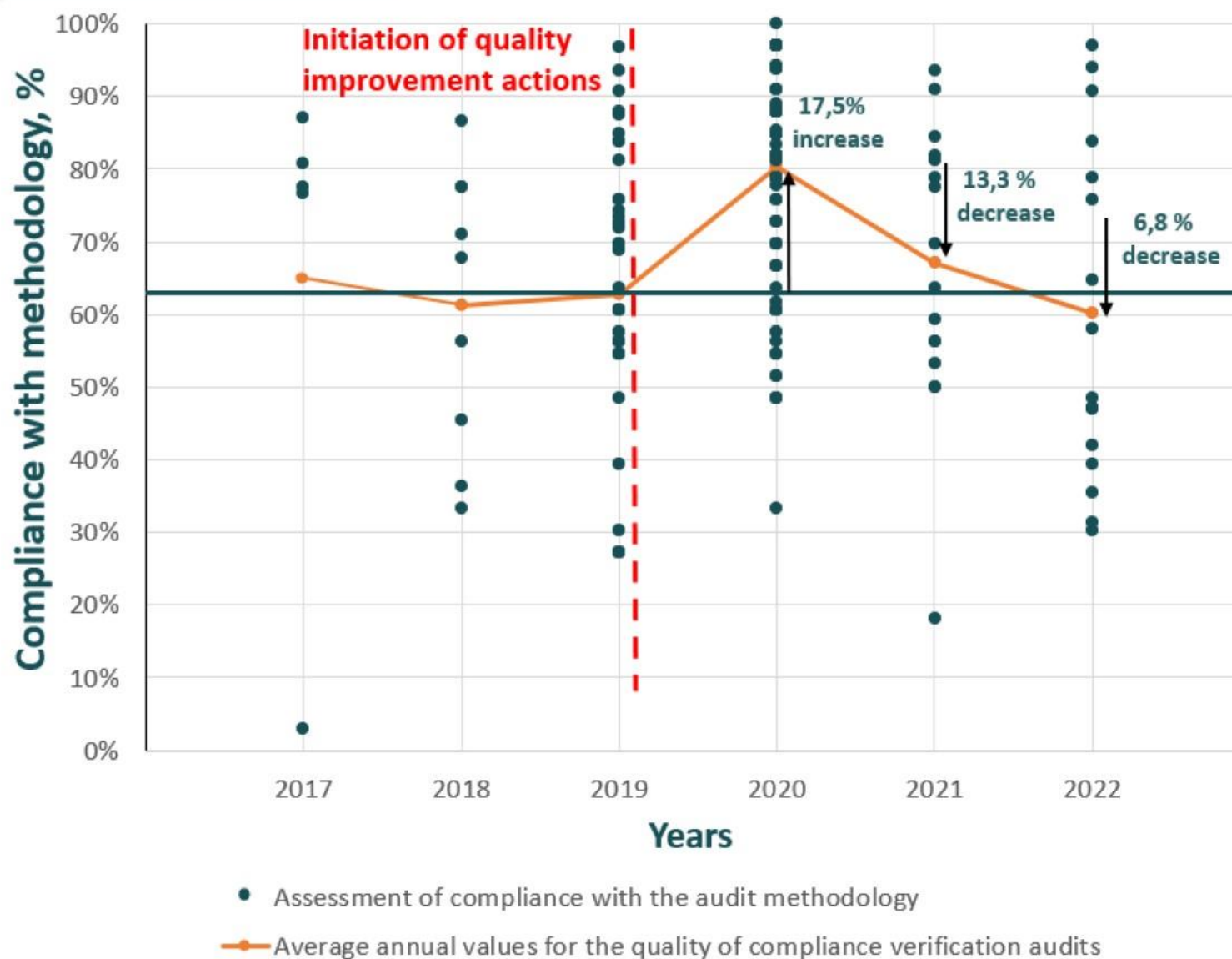
100 **public buildings** audits.

Lithuanian Energy Agency performs quality assessment to
20 percent of all submitted audit reports **every year** and completes verification forms.

DISTRIBUTION OF CHECK RESULTS OF AUDITS COMPLIANCE WITH METHODOLOGY FOR FACILITIES AND TECHNOLOGICAL PROCESSES



DISTRIBUTION OF CHECK RESULTS OF AUDITS COMPLIANCE WITH METHODOLOGY FOR PUBLIC BUILDINGS



ACTIONS ENABLING THE FURTHER DEVELOPMENT OF OPPORTUNITIES TO REACH HIGHER ENERGY AUDIT QUALITY

The main causes that influence degradation of energy audit quality is addressed in the subsection, including:

Lack of
competent
experts for
quality
assessment

Quantity of
guidelines

Lack of tools
for energy
audit

Incorrect
interpretation
of
methodology
requirements

Insufficient
competence of
auditors

RISING THE AWARENESS OF ENERGY AUDITORS

The actions of the Lithuanian Energy Agency that increase the compound effect are the following:

1. **Feedback** for energy auditors;
2. **Public communication** about the value of energy audits;
3. Open **discussions** and **seminars** with energy auditors;
4. **The training activities** of auditors in the market;
5. **Providing the guidance** for energy auditors;
6. Participation in project Support to the Renovation Wave

If you can suggest other ways to improve the activity of energy audits, we will gladly accept them: write an email to auditas@ena.lt.



THANK YOU FOR YOUR ATTENTION !



<http://www.ena.lt>



<https://www.linkedin.com/company/litena/>



European Energy Network

A voluntary network of European energy agencies

Ármin Bóhm



Green Economy Expert, Dept Sustainable Development
MEKH, Hungarian Energy and Public Utility Regulatory Authority



LIFE-IP NORTH-HU-TRANS

**...a project on just transition
and energy poverty**

ÁRMIN BÖHM, MEKH [HU]

LIFE-IP North-HU-Trans



2020 - 2029



~ EUR 14.9 M



**COAL PHASE-OUT &
JUST TRANSITION**



**MÁTRAI POWER PLANT
AND ITS REGION**

LIFE-IP North-HU-Trans



MÁTRAI POWER PLANT AND ITS REGION



COAL PHASE-OUT & JUST TRANSITION



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**COAL PHASE-OUT &
JUST TRANSITION**



**MÁTRAI POWER PLANT
AND ITS REGION**



RESKILLING

LIFE-IP North-HU-Trans



2020 - 2029



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**COAL PHASE-OUT &
JUST TRANSITION**



**MÁTRAI POWER PLANT
AND ITS REGION**



RESKILLING



**PILOT PROJECTS &
FEASIBILITY STUDIES**

LIFE-IP North-HU-Trans

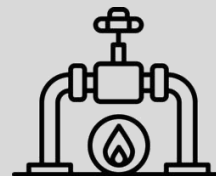


PILOT PROJECTS & FEASIBILITY STUDIES





ANALYSIS



**GAS CONSUMPTION
DATA**



**LIGNITE
ALTERNATIVES**



**EFFECTS OF
PARTICULATE MATTER**



HVAC



FUNDING OPPORTUNITIES



BUILDING MANAGEMENT



MISCONCEPTIONS



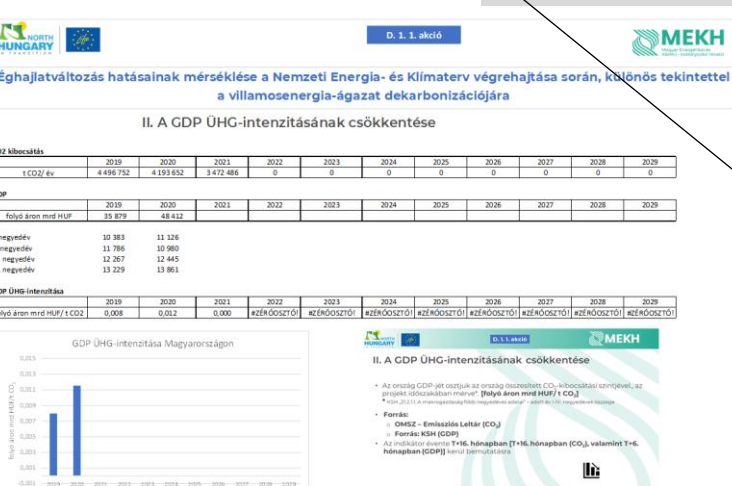
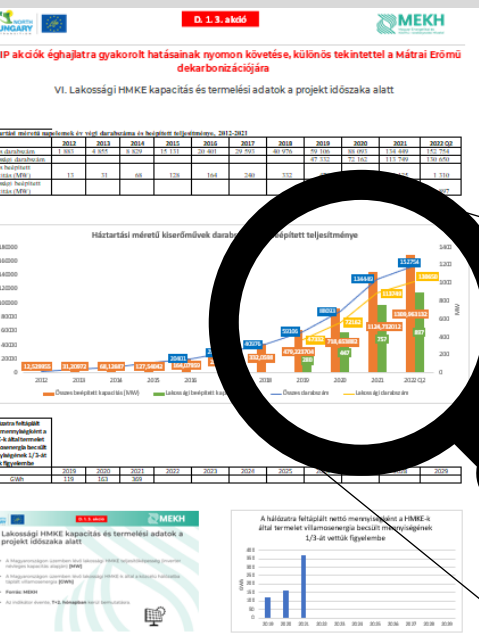
JTF



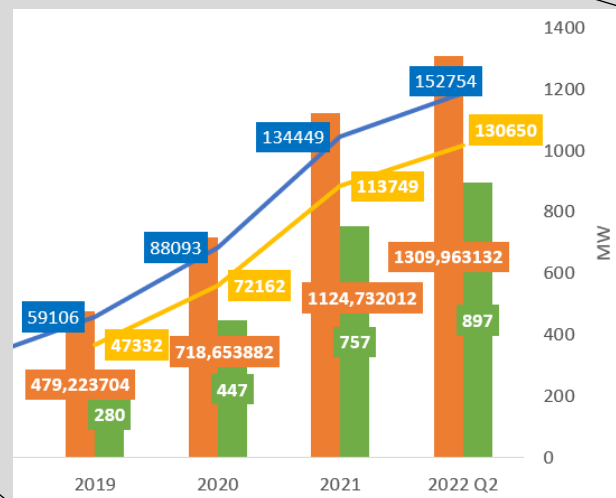


BOOKLET TO DELIVER TO RESIDENTIAL PROPERTIS (EXTRACT)





THROUGHOUT THE DURATION OF THE PROJECT



RENEWABLES



GHG



SOLD LIGNITE

Thank you for your attention!



bohma@mekh.hu



European Energy Network

A voluntary network of European energy agencies

Marian Poolen



Manager for Energy Innovation
RVO, Netherlands Enterprise Agency



European Energy Network

A voluntary network of European energy agencies

Towards a green Europe with no energy imports

Marian Poolen

Kasper Baarends

Jeroen van Hemmen



Netherlands Enterprise Agency



The Challenge

- The new geopolitical and energy market realities requires Europe to drastically accelerate the clean energy transition and increase Europe's energy independence¹
- This will urge countries to work more closely together
- Numerous studies are available that state the technological possibilities for Europe becoming more sustainable
- Recently, a few dive into the possibilities to become more *self-sufficient* over time
- Interesting studies as starting point:
 - *'Diversity of options to eliminate fossil fuels and reach carbon neutrality across the entire European energy system'* by ETH Zürich and TU Delft²
 - PAC Scenarios³

Sources:

(1) https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/repowereu-affordable-secure-and-sustainable-energy-europe_en

(2) <https://www.sciencedirect.com/science/article/pii/S2542435122002367?via%3Dihub>

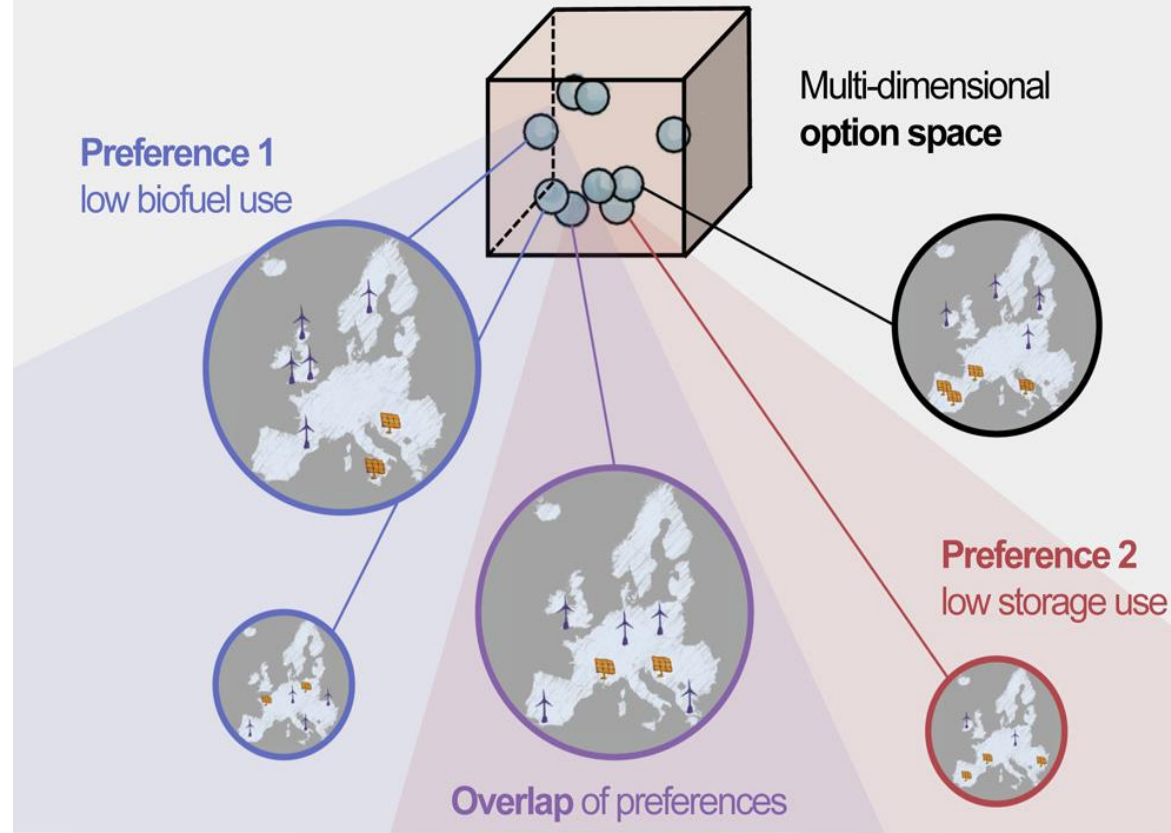
(3) <https://www.pac-scenarios.eu/project.html>



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441 technically feasible and cost-effective options (○)
for an energy self-sufficient, carbon-neutral Europe



Almost anything is technically possible, but **preferences** restrict the spatial and technical **maneuvering space**

Diversity of options to eliminate fossil fuels and reach carbon neutrality across the entire European energy system

Bryn Pickering , Francesco Lombardi
Stefan Pfenninger

Highlights

Many cost-effective options exist for an energy self-sufficient, carbon-neutral Europe

A variety of spatial configurations are valid, and specific regions can be prioritized

Although firm capacity is not a must have, limiting it reduces the maneuvering space

For example, low bioenergy requires electrified heat and controlled vehicle charging



How and where could *international collaboration* act as a catalyst to help Europe move forwards to diminish dependency on imports, whilst working on climate neutrality?

And which role could the *energy agencies* play/take in this?



Why energy agencies?

- Most members of the European Energy Network are actively involved in governmental implementation programs of energy policies
- The energy agencies have a deep understanding of the implementation of policies, demand-side management, have convening power and broad experience in international collaboration
- This knowledge and experience is frequently used by governments to develop their energy policies





Next steps...

- Introductory meeting with the TU Delft/ETH Zurich
 - What can we learn from their approach?
- Quick scan of studies/programs pointing in the same direction, e.g.:
 - PAC Scenarios
 - REPowerEU
- Sharpening problem definition and formulating the research question
 - What do these models, studies, scenarios have in common that could be articulated, facilitated by the EnR network?
 - Which existing/ongoing national activities, studies and EnR collective activities (energy efficiency, energy poverty, renewable energy etc.) by the agencies and Working Groups/Taskforces could be considered as pieces of the puzzle?





Thank you for
your attention!



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