



Agenda | March 27th

March 27 | EnR Regular Meeting (afternoon)

Working Groups

14:00 – 14:30 | Working Group Evaluation

- (10 min + 5 reaction) Energy Efficiency | **Vassilis Kilias, CRES**
- (10 min + 5 reaction) Renewable Energy | **Philine Wedell, dena**

14:30 – 15:20 | Working Group Updates (7,5 min/WG)

- Industry & Enterprises | **Enrico Biele, ENEA**
- Behaviour Change | **Rebecca van Leeuwen, RVO**
- Buildings | **Rui Fragoso, ADENE**
- Labelling & Ecodesign | **Colin Smith, EST**
- Transports | **Colin Smith, EST**
- Monitoring tools | **Didier Bosseboeuf, ADEME**

15:20 – 15:40 | New Working Group Proposal - Water & Energy Nexus | **Filipa Newton, ADENE**

15:40 – 16:10 | *Coffee-break*

16:10 – 16:40 | 1st European Youth Energy Forum results and future EnR cooperation | **Tiago Vicente, EYEN**

EnR Presidency 2023

16:40 – 17:00 | BEHAVE 2023 Conference | **Rebecca van Leeuwen, RVO**

17:00 – 17:30 | EnR Presidency 2023 action plan, inc. discussion | **Christoph Jugel, dena**

19:30 – 22:00 | *Dinner @ FREA Bakery Restaurant (location on [Google Maps](#))*

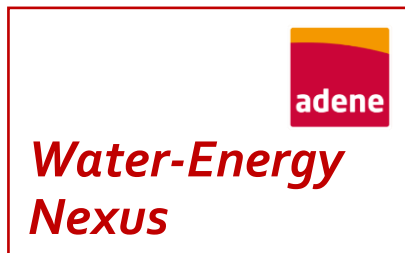
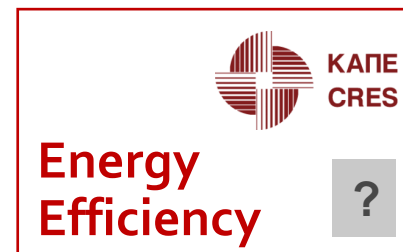
Working Group Evaluations





EnR Working Groups

1 chair vacancies: EST looking for a new Transport WG Chair or potentially co-chair
New chair: Labelling&Ecodesign is now chaired by ADEME and co-chaired by EST





Working Group	M66 Brussels 2020	M68 Online 2021	M70 Lisbon 2022	M72 Berlin 2023	M74 2024	M76 2025	M78 2026	M80 2027	M82 2028	M84 2029	M86 2030	M88 2031	M90 2032	M92 2033
Behaviour Change	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report
Buildings	Evaluation (revised ToRs)	Activity report	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)
Eco-design & Labelling	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report
Energy Efficiency	Activity report	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report
Industry	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)
Monitoring Tools	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report
Renewable Energy	Activity report	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report
Transport	Evaluation (revised ToRs)	Activity report	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Activity report
Water-Energy Nexus				WG Creation	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report	Activity report	Evaluation (revised ToRs)	Activity report



European Energy Network

A voluntary network of European energy agencies

Vassilis Kiliass



Director General

Centre for Renewable Energy Sources and
Saving

CRES, Greece

Energy Efficiency Working Group





EEWG MEMBERS LIST (2022) - 15

AEA (AT)	Günter Simader	Guenter.Simader@energyagency.at
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Energy Efficiency Working Group - Scope

- Assess the **impact** and cost-effectiveness of EE measures & programmes.
- Facilitate **communication and exchange** of information on the experience gained from putting energy efficiency policies into practice
- **Monitor** medium & long term energy planning policies and instruments in member countries in accordance with “Energy Efficiency First” principle
- Validate and promote **innovative financing** mechanisms for energy efficiency investments.
- Assess the impact of **energy efficiency** policies in the alleviation of **energy poverty**, the just transition and the economic growth.
- Broaden the scope of greenhouse gas emission mitigation policies including **Energy Sufficiency**,
- **Strengthen** the role of energy agencies - members of EnR on the planning, implementation and monitoring of national energy efficiency policies

EnR M72 26.27/2023 - Energy Efficiency Working Group



Energy Efficiency Working Group members, activities - 2022

- Virtual Meetings
 - June 2022
 - February 2023
 - March 2023
- Support to EnR activities
 - Studies – Surveys - Initiatives
- European Projects
 - Participation in important actions (ENSMOV, ENPOR, StreamSave)
 - Communication with notable actions (CAEED, EneFirst, MICAT)
- Proposals
 - Two successful submissions (at least) in the last LIFE call (tunES, ReeValue)
 - *‘proposal failures ...’*

EnR M72 26.27/2023 - Energy Efficiency Working Group



Energy Efficiency & EnR

Presidency

*Initiatives
(ex. Energy Poverty, RePower EU Actions)*

Energy Efficiency Working Group

Actions on Policy

*Policy (Energy Efficiency First,
EU SaveEnergy, NECPs)*

*Innovative Policies (energy sufficiency) ,
Financing (Article 7 EED)*

*Be more specific in activity areas
Communicate with WGs*

Buildings Working Group

Industry Working Group

Transport Working Group

Labelling Working Group

*Sectoral, bussiness models &
finance....*

Monitoring Working Group

Behaviour Change Working Group

Policy & Promotion

EnR M72 26.27/2023 - Energy Efficiency Working Group





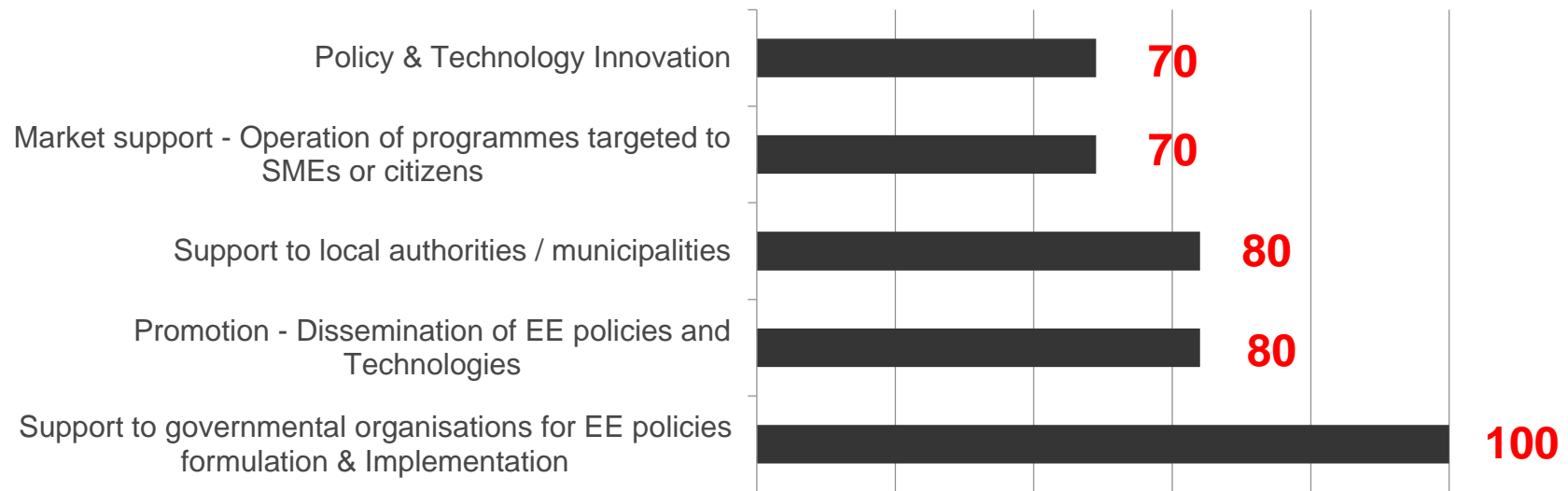
Towards the planning of 2023 – 2024 activities – Challenges and Prospects.

- Definition of priorities – ways to implement ...
- Working Group future – Areas & coordination of efforts with other groups?
- Working Group future – Coordination of efforts with European projects?
- Working Group future - Resources and organisation
- EEWG - a survey among members ...

EnR M72 26.27/2023 - Energy Efficiency Working Group

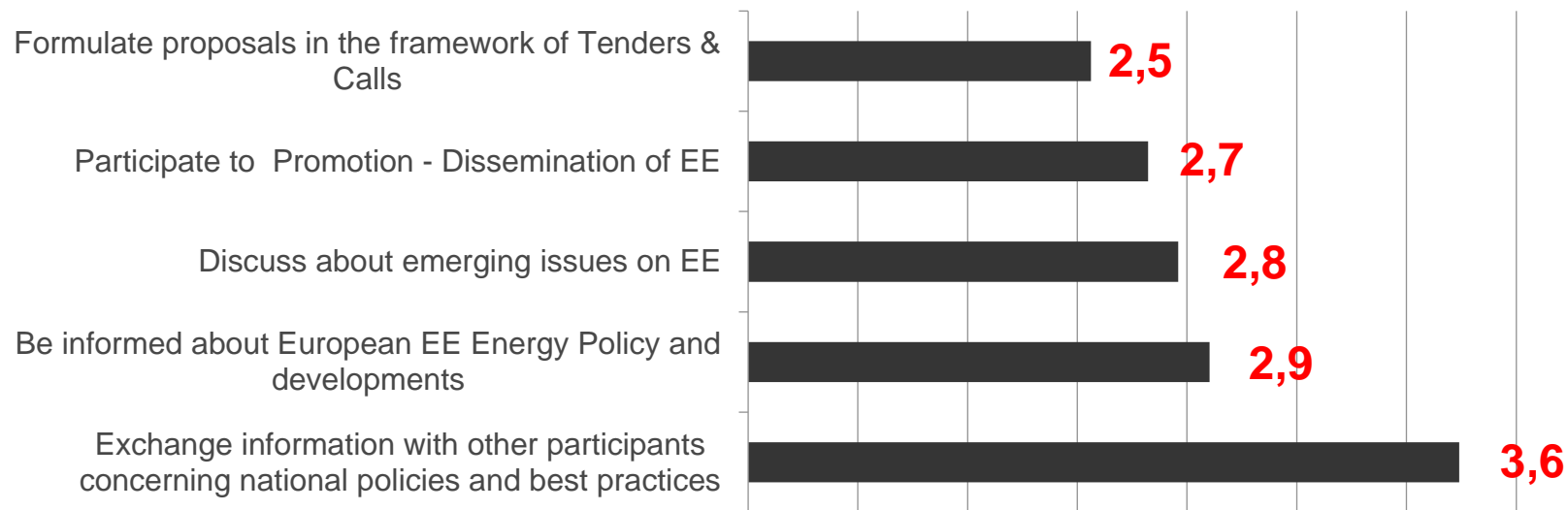


Q1. Activities of the agencies in the field of EE





Q2. Expectations from participation in the EEWG?

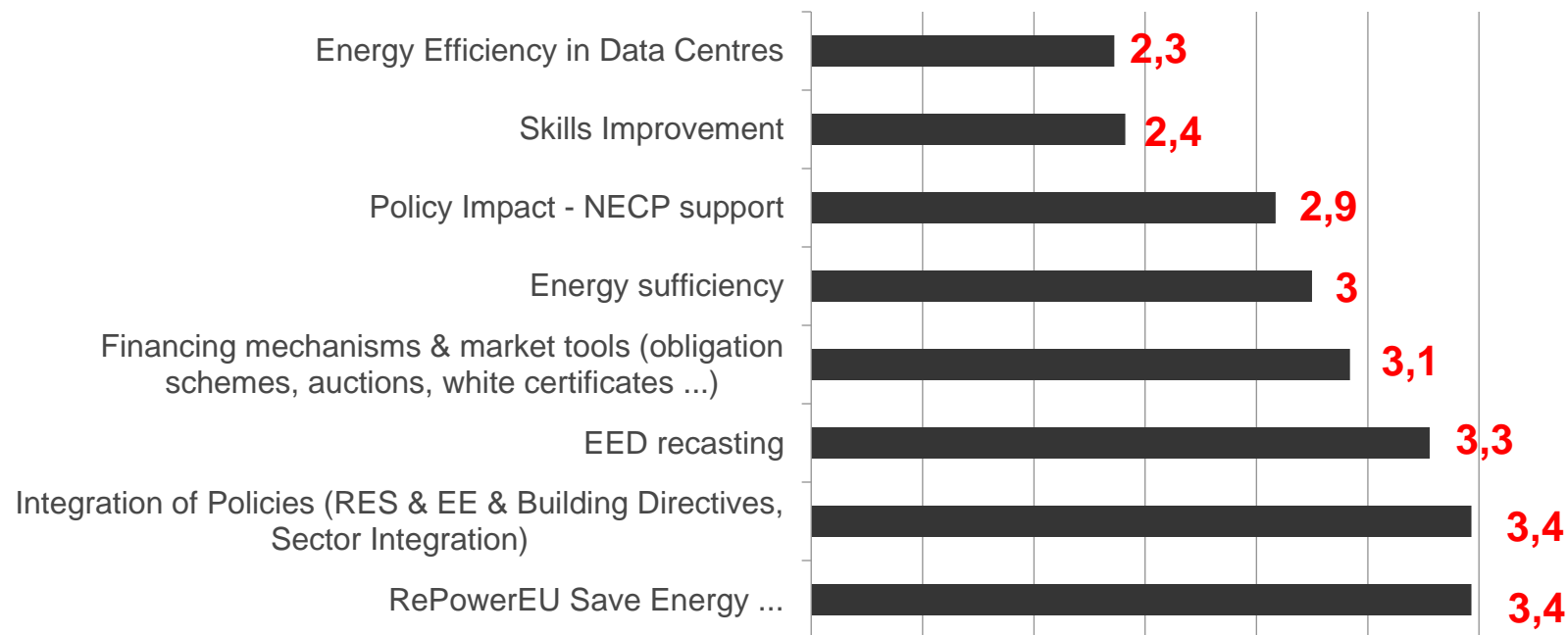


EnR M72 26.27/2023 - Energy Efficiency Working Group





Q3. Important Topics

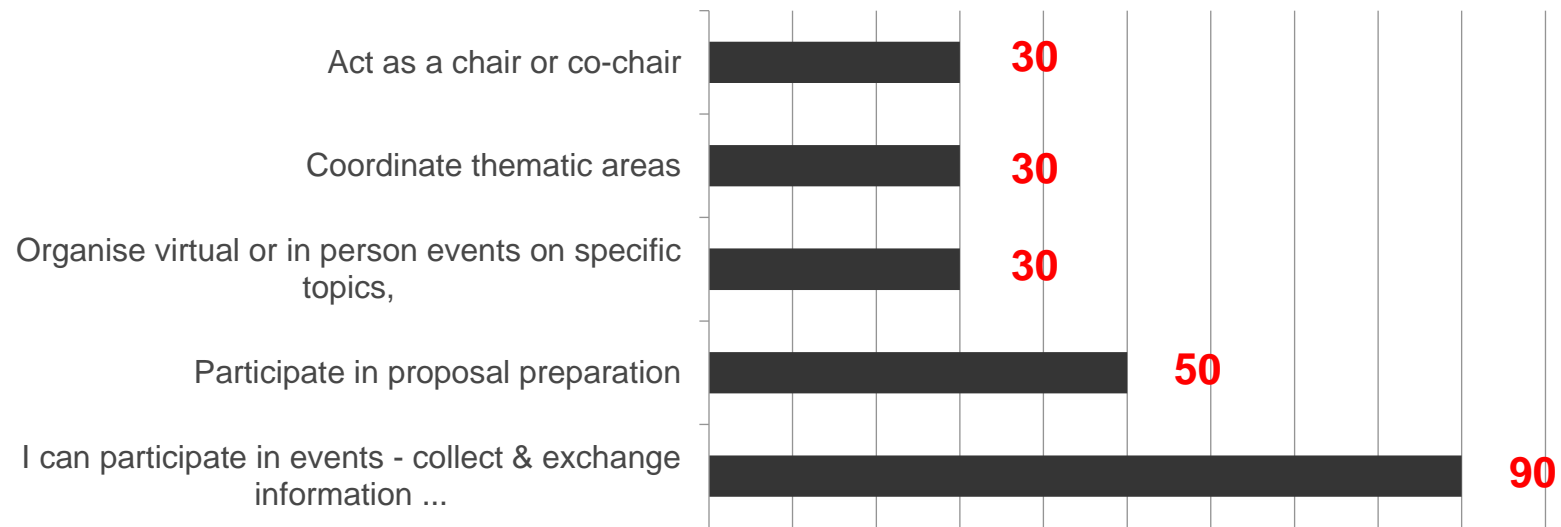


EnR M72 26.27/2023 - Energy Efficiency Working Group





Q4. Resources assessment





Working Group future – Areas & Coordination of efforts

- Exchange of experience
 - Information on the implementation policies,
 - Evaluation of Policies - Open discussion on success & failures
- Coordination with other groups and the presidency, Selection of horizontal topics.
- Special coordination with 'Monitoring tools' WG – use of MURE database
- Work, proactively, on new areas (energy sufficiency, energy & food security ...)
- Prepare proposals but not rely on them.



Working Group future – Proposals & Plans

- Prepare one *‘project – policy exhibition workshop’* each year
- Transfer of information on national policies & projects.
- Enhancement of the coordination model
 - add two new co-chairs (AEA and EWA).
- Support the presidency, communication with EU.
- Proposals for 2023 work - program
 - Evaluation of RePowerEu – *‘SaveEnergy’* driven implemented policies.
 - Assessment of new EE policies introduced by member states in their SEAPs
- Communicate with important EU projects, regardless of members participation



Energy Efficiency Working Group

EnR M72

Let's go further

Thank you ...



European Energy Network

A voluntary network of European energy agencies

Philine Wedell



EnR Renewable Energy WG Chair
dena, Germany



European Energy Network

A voluntary network of European energy agencies

EnR Working Group Renewable Energy

Updates on activities and collaboration

EnR M72 Regular and Full Meeting | Berlin, 27-28
March 2023

Renewable Energy





Renewable Energy WG

Working Group Chair



EnR Member Agencies



Non EnR WG members





Renewable Energy | Focus topics proposed for 2023/2024

- **Offshore wind, a European approach to grid connection (workshop planned in 2023)**
- Permitting procedures for offshore wind projects
- Planning and permitting for renewables
- **Production capacities and value chains for transformation technologies (PV, wind and heat pump industries) (workshop planned in 2023)**
- Unify technical standards in the area of offshore wind
- **Renewable heating and cooling (workshop planned in 2023)**
- Key technologies and business models for the heat transition
- Long-term power supply agreements (PPAs) and CfDs
- Decarbonisation of industry and RE technologies



Renewable Energy | Planned Activities and Events

Work programme for the WG Renewable Energy in 2023, based on a proposal of 3 workshops on the topics:

- Building production capacity and European value chains for **transformation technologies**
- RES deployment in **heating & cooling** and heat planning instrument
- **Offshore wind**, a European approach to grid connection



Renewable Energy | Planned Activities and Events

Workshop 1: Building production capacity and European value chains for **transformation technologies**

Outline

- **Results of dena's stakeholder dialogue on industrial production capacities for the energy transition**
- **Introduction to the EU Net Zero Industry Act, European Commission**
- **Utilising non-price criteria to foster demand for “European-made” PV technology – experiences from France**
- Target group: EnR Members, national/ local authorities, policy advisors, European PV and wind turbine manufacturers
- Lead organiser and partners: dena, ADEME (tbc), EC (tbc)
- Proposed date of the workshop: May 2023



Renewable Energy | Planned Activities and Events

Workshop 3: Offshore wind, a European approach to grid connection

Outline

- **A closer look: Infrastructure needs for a resilient Offshore Wind Energy Industry in Europe (*WAB* or *Siemens Gamesa*)**
- **The current state of offshore energy cooperation: presentation of the Joint Statement of the *North Seas Energy Cooperation***
- **From theory to practice: presentation of Feasibility Report by the *North Sea Wind Power Hub***
- Target group: EnR Members, TSOs (ENTSO-E), investors, NGOs, national planning authorities, policy advisors
- Lead organiser and partners: dena, North Sea Wind Power Hub, WAB, North Seas Energy Cooperation



Renewable Energy | Planned Activities and Events

Workshop 2: RES deployment in **heating & cooling** and heat planning as key instrument

Outline

- **Status of RES heat deployment across Europe**
 - RES heat target achievement of NECPs and revised RED target corridor (REDI4Heat)
 - Replicating successful heat policies in EU regions (ADENE, REDI4Heat)
 - Mapping of heat data – solutions for the domestic heating sector (EST)
- **Heat planning as a key instrument for decarbonising local heat supply**
 - Mapping of heat planning instruments in the EU Member States (Energy Cities)
 - Act!onHeat Experiences in implementation of strategic heat planning in European cities (N.N.)
 - Successful implementation of heat planning obligations at local level – examples from NL, DK and DE (N.N.)
- Target group: EnR Members, national/ local authorities, policy advisors, energy suppliers
- Lead organiser and partners: dena, EST, Solar Heat Europe, European Heat Pump Association, Energy Cities,...
- Proposed date of the workshop: September 2023



Renewable Energy | Evaluation

- Proposal of 2023/24 focus topics and outlines for 3 workshops by dena
 - Feedback requested from all WG members
 - Topic specific inputs contributed by currently 7 WG members
 - Further interest declared specifically in:
 - Long-term power supply agreements (PPAs)
 - Key technologies, business models and supply chains for the heat transition
 - Planning and permitting for renewables
 - Local energy supply models/ energy communities
 - Roll-out of heat pumps (together with WG buildings)
 - Detailed coordination in WG RE meeting in April/ May 2023
 - Review of workshops and planning of 2024 activities in autumn 2023
-



Thank you!

Working Group Chair

Philine Wedell & Rita Ehrig

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rita.ehrig@dena.de



Renewable Energy WG

Working Group Chair



EnR Member Agencies



Agência para a Energia



Non EnR WG members





Renewable Energy | Context

- ToR Working Group Objectives for 2022
 - Relaunch of Working Group
 - Regular meetings to ensure exchange regarding renewable energies
 - Focus topic exchanges
 - Offshore and grid connection
 - Energy communities
 - Renewable heating and cooling
 - Power purchase agreements
- Milestones
 - Energy communities publication: Energy Communities – Accelerators of the decentralised energy transition
 - REDI4HEAT – Transposition of Renewable Energy Directive II



Renewable Energy | Activities and Events

- Past (since Feb-22)
 - Relaunch of working group
- Underway
 - Exchange with other working groups
 - Focus topics identification and overlaps
- Future
 - Next WG meeting Sept. 22
 - Publications?



Agenda | March 27th

March 27 | EnR Regular Meeting (afternoon)

Working Groups

14:00 – 14:30 | Working Group Evaluation

- (10 min + 5 reaction) Energy Efficiency | **Vassilis Kiliyas, CRES**
- (10 min + 5 reaction) Renewable Energy | **Philine Wedell, dena**

14:30 – 15:20 | Working Group Updates (7,5 min/WG)

- Industry & Enterprises | **Enrico Biele, ENEA**
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15:20 – 15:40 | New Working Group Proposal - Water & Energy Nexus | **Filipa Newton, ADENE**

15:40 – 16:10 | *Coffee-break*

16:10 – 16:40 | 1st European Youth Energy Forum results and future EnR cooperation | **Tiago Vicente, EYEN**

EnR Presidency 2023

16:40 – 17:00 | BEHAVE 2023 Conference | **Rebecca van Leeuwen, RVO**

17:00 – 17:30 | EnR Presidency 2023 action plan, inc. discussion | **Christoph Jugel, dena**

19:30 – 22:00 | *Dinner @ FREA Bakery Restaurant (location on [Google Maps](#))*



European Energy Network

A voluntary network of European energy agencies

Enrico Biele



EnR Industry&Enterprises WG Chair
ENEA, Italy

WG Industry & Enterprises: activity report March 2022- March 2023

EnR Regular and Full meeting, M72, Berlin 27-28/03/2023





Industry & Enterprises WG

Working Group Chair



ITALIAN NATIONAL AGENCY FOR NEW TECHNOLOGIES,
ENERGY AND SUSTAINABLE ECONOMIC DEVELOPMENT

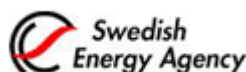
EnR Member Agencies



Agência para a Energia



LIETUVOS
ENERGETIKOS
AGENTŪRA



Non EnR WG members (previously EnR members)





Industry & Enterprises | Main Activities and Events

- Workshop with the EEFIG Industry WG (March 2022);
- Participation with a presentation to the Annual Event of the SET Plan Action on Energy Efficiency in Industry (March 2022)
- Eceee summer study in Hyeres (June 2022)
- Conference and WG meeting in Rome (September 2022)
- Joint work (10 Agencies) on a Life project proposal (October-Nov. 2022)
- Participation to the UNECE Task force on EE sessions (January 2023)
- International workshop on the Decarbonisation of the Industrial sector (March 2023)
- SME-related activities (9 EnR Agencies, [LEAP4SME](#)): national observatories, national trainings, peer-learning workshop with Interreg-H2020 projects (CRES), reports and guidelines, participation in conferences.



Meeting the EEFIG IWG

Presentation/lecture on the state of art of EE in Industry and SMEs plus tailored outcomes for National Agencies and Governments



AGENDA

Financing Energy Efficiency in Industry and Enterprises

30th March 2022 (14.30 – 16.00)

14.30 Welcome and introduction *Enrico Biele, EnR IWG*

14.40 EEFIG Working Group on Further improvements of energy efficiency in industry

Rod Janssen, EEIP, EEFIG Working Group Team Lead

15.05 Linking National Agencies' activities with Energy Efficiency Finance in Industry and SMEs

- *Experiences from the Maltese Energy and Water Agency*

Lorna Taliana Mintoff, EWA

- *Experiences from the Swedish Energy Agency*

Thomas Björkman, SEA

15.30 Open discussion

Participants and speakers



Session on industrial energy efficiency organized within the Eceee 2022 Summer Study

Date | 7 June 2022

Format | In person

@ Hyères, South of France

Participants | 5/6 EnR member Agencies, scientists, analysts and practitioners from all around Europe



AGENDA

First part	
14.00 Introduction and context	Enrico Biele, EnR IWG Chair, Thomas Björkman, SEA
14.15 Energy Audits policy implementation in three EU Countries: experiences from Portugal, Austria and Sweden	Paulo Calau, ADENE Gabriele Brandl, AEA, LEAP4SME T. Björkman/A. Pousette, SEA
14.40 The EED article 8 implementation and the new article 11 Main topics: Energy audits and Energy management systems according to EED article 8; SMEs and Energy Intensive SMEs; industrial energy efficiency in the EED.	Paulo Calau, ADENE; Gabriele Brandl, AEA; Enrico Biele, ENEA; Ámin Böhm, MEKH; Thomas Björkman, SEA; all ECEEE summer school interested participants. Moderator: Anders Pousette, SEA
Second part	
15.30-17.00 EnR Industry & Enterprises Working Group Open meeting and discussion	ECEEE participants, National Agencies



Joint sessions of the EnR IWG with the LEAP4SME international observatory

Date | 15-16 September 2022

Format | In person

@ Rome, Italy

Participants | 15 EnR member Agencies,
CINEA, European Commission, the Maltese
Chamber of SME, GIP, Invitalia etc.



11.30 - 12.45	Joint meeting with the EnR IWG
FOURTH SESSION	
Plans and techniques to save gas in industry and enterprises	
Save Gas for a Safe Winter; national plans on energy saving in industry and enterprises; the EnR study on national measures to save energy; industrial energy efficiency and measures to save gas in Lithuania.	
<ul style="list-style-type: none">Paolo Calau, ADENE EnR Presidency 2022Karolis Janusevicius, Head of Energy Efficiency, Lithuanian Energy AgencyRoberta Boniotti, Secretary General MEDENER	
Open discussion	
13.00 - 13.40	
Lunch	
13.40 - 15.40	
FIFTH SESSION	
The new architecture of Article 11 EED recast and national experiences in policy implementation	
The new article 11 EED; article 8 policy implementation in Italy, Portugal and Sweden; barriers and challenges in managing energy audit obligation schemes in different Member States.	
<ul style="list-style-type: none">Edyta Nowak, Policy officer, European Commission DG-ENERGYEnrico Biele, EnR Industry and enterprises working group ChairAnders Pousette, Programme manager, Swedish Energy AgencyMarcello Salvio, Head of EE in the Economic Sectors Unit, Italian National Energy AgencyPaolo Calau, Head of Industry, Portuguese Energy Agency	
Open discussion	
15.45	
Conclusions	



LEAP4SME (ADENE, AEA,
CRES, ENEA, EIHP, EST,
EWA, KAPE, SIEA)



Some of the project activities:

- Collaborative/peer learning workshops: CRES presentation-coordination with the involvement of ENEA, ADENE, EWA
- WSED Energy Efficiency Conferences 2022 and 2023: poster session, AEA presenting onsite (2022), AEA and ENEA presenting onsite (2023)
- Deliverables: <https://leap4sme.eu/resources/deliverables/>
- All events: [Events](#) | [LEAP4SME](#)



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 893924.



Industry & Enterprises WG | Webinar

Decarbonising Industry & Businesses: what's new towards 2030?

Goal | Share and discuss experiences related with the LTRS and envisage future NBRP

Date | 9 March 2023, 10h15-12h45 (CET)

Target | Open EnR meeting, 288 registered, 200 attended (54 EnR members, 16 EnR agencies)

10:00 – 10:15 | Welcome e-coffee

Opening Session

10:15 – 10:25 | **Nelson Lage** | President of the Board of Directors, **ADENE** & President of EnR 2022

10:25 – 10:35 | **Enrico Biele** | Chair of the EnR Industry & Enterprises Working Group, **ENEA**

2023 trends in the industry international agenda

10:35 – 10:55 | Energy Efficiency in Industry: highlights from the IEA energy Efficiency Report 2022

Hugo Salamanca, Energy Policy Analyst, **International Energy Agency**

Emma Mooney, Energy Analyst, **International Energy Agency**

10:55 – 11:15 | Hydrogen in energy decarbonisation scenarios: focus on industry

Jose Moya, Project leader, **Joint Research Centre, European Commission**

11:15 – 11:35 | The role of the National Energy Agencies in the process of Industrial Decarbonisation

Elliot Mari, Project Manager Industry Decarbonization, **ADEME**

Roundtable | Supporting Industry and Businesses: challenges for 2023 and beyond

11:35 – 12:40 | Moderator: **Enrico Biele**, Chair of the EnR Industry & Enterprises Working Group, **ENEA**

- **Stefan Buettner**, Chair of the Group of Experts in Energy Efficiency, **UNECE**
- **Rod Janssen**, Chair of the Energy Efficiency in Industry Working Group, **EEFIG**
- **Tsvetomira Kulevska**, Director Coordination and Management of EE and RES, **SEDA**
- **Dietmar Gründig**, Head of Industry, **dena**
- **Roberta Boniotti**, Secretary General, **MEDENER**

Closing session

12:40 – 12:45 | Closing remarks



Decarbonising Industry & Businesses, what's new towards 2030?



EnR - Europ...
8 subscribers



Link | <https://www.youtube.com/watch?v=2vuHWZKKh0k>



Plans for 2023:

- Internal meeting in March 2023
- Learning sessions on key-topics
- Involvement of a new EnR Agency in the activities

Thank you!

Enrico Biele

enrico.biele@enea.it



European Energy Network

A voluntary network of European energy agencies

Rebecca van Leeuwen



EnR Behaviour Change WG Chair
RVO, Netherlands



European Energy Network

A voluntary network of European energy agencies

EnR Working Group Behaviour Change

Chair: Rebecca van Leeuwen, RVO, Netherlands

Vice-Chair: Adrianna Threpsiadi, EST, UK

EnR Regular meeting 27th March 2023, Berlin

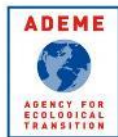


Behaviour Change WG

Working Group Chair



Netherlands Enterprise Agency



Non EnR WG members

Umwelt
Bundesamt



Behaviour Change Objectives



Netherlands Enterprise Agency
chair

1. Keep members up to date with latest policy developments and the latest work of other relevant networks;
2. Capacity building and enhancing the knowledge of EnR members on the topic of behaviour change;
3. Raise the profile of behaviour change among policy stakeholders, so that behaviour change is considered more systematically within the energy policy design and implementation process;
4. Strengthening cooperation with IEA Users Group and other relevant networks.



Focus areas for 2023



Netherlands Enterprise Agency
chair

Meetings took place in Sept 22, Nov 22, Dec 22, Feb 23

Next meeting: 6 April

- **Monitoring** – survey (Lead: Lea, Motiva, Finland) – deadline 31st March
- **Update EnR Catalogue of Best Practices on Behaviour Change**
(Lead: Adrianna, EST, UK) – Request to be sent in April
- **Cooperation with IEA TCP Users**
- **7th Edition of the EnR BEHAVE 23 Conference**
 - 28-29 November 2023 Maastricht, the Netherlands



Thank you!

Rebecca van Leeuwen

Rebecca.vanleeuwen@rvo.nl



Netherlands Enterprise Agency



European Energy Network

A voluntary network of European energy agencies

Rui Fragoso



EnR Buildings WG Chair
ADENE, Portugal

Buildings





Buildings WG

Working Group Chair



Agência para a Energia

EnR Member Agencies



Agência para a Energia



Non EnR WG members



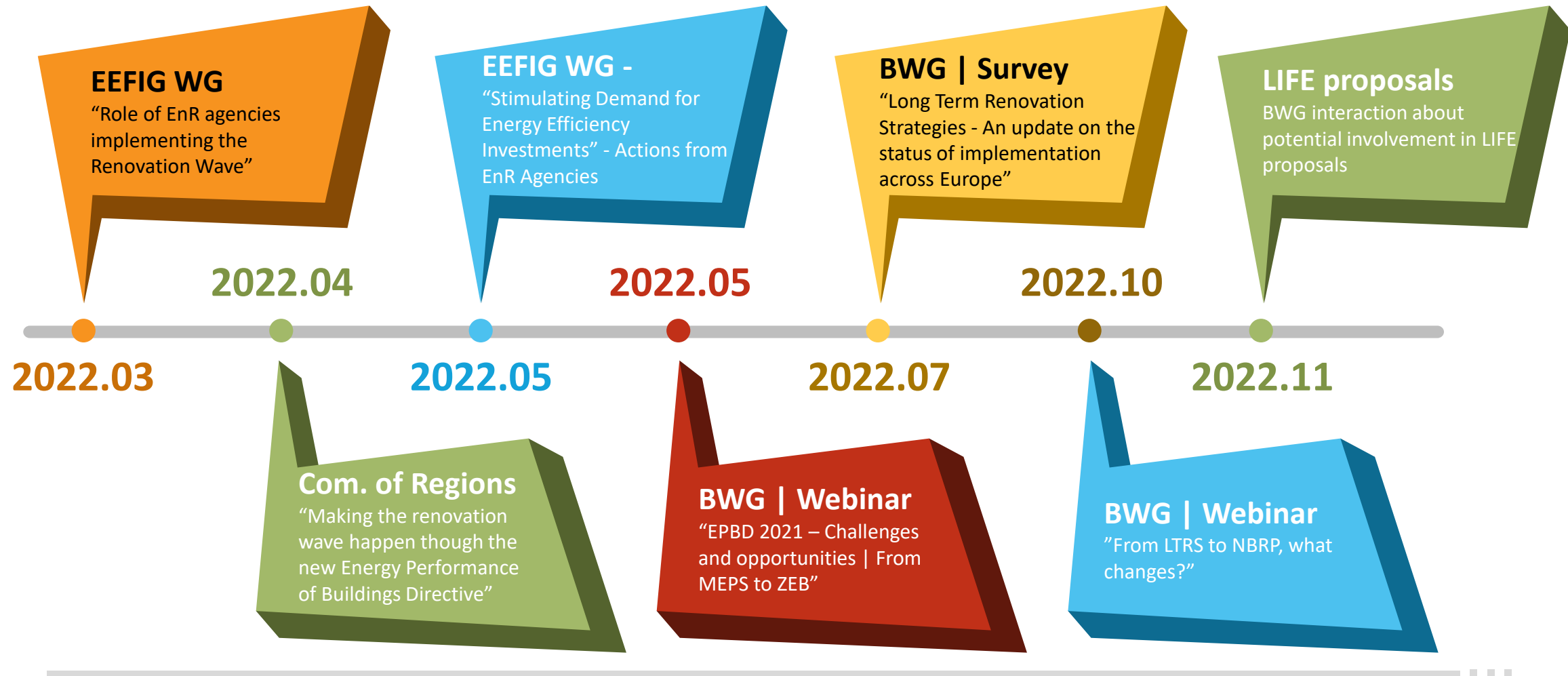


Buildings | Context

- ToR Working Group Objectives for 2022
 1. Promote ADEME's study related with **Agencies and the Renovation Wave**
 2. **2021 EPBD** proposal
 3. Long-Term Renovation Strategies (**LTRS**)
 4. **Joint projects** and new proposals
 5. Participation in **events representing ther EnR/BWG**



Buildings | Previous activities and Events (2022)





Buildings WG | Survey

LTRS 1st year of implementation – Main results



Agência para a Energia

Date | Conducted online in June/July 2022

Participating countries | 13 out of 16 expected respondents (~80% response rate)

Addressed topics:

- ✓ Role of energy agencies in the LTRS
- ✓ Monitoring plans
- ✓ LTRS level of ambition
- ✓ Overall assessment after 1 year
- ✓ Barriers hampering the LTRS implementation
- ✓ Key success factors for LTRS implementation



“Effective and targeted financial support mechanisms with thorough check of implementation and targeted information support including regional/local basis”

Link | https://enr-network.org/wp-content/uploads/2022.10.05-EnR_Survey_LTRS_Results.pdf



Buildings WG | Webinar

From LTRS to NBRP, what changes?



Goal | Share and discuss experiences related with the LTRS and envisage future NBRP

Date | 25 October, 10h15-12h35 (CET)

Target | Open EnR meeting, 189 registered, 133 attended (41 EnR members, 13 EnR agencies)

Format | online

Opening Session

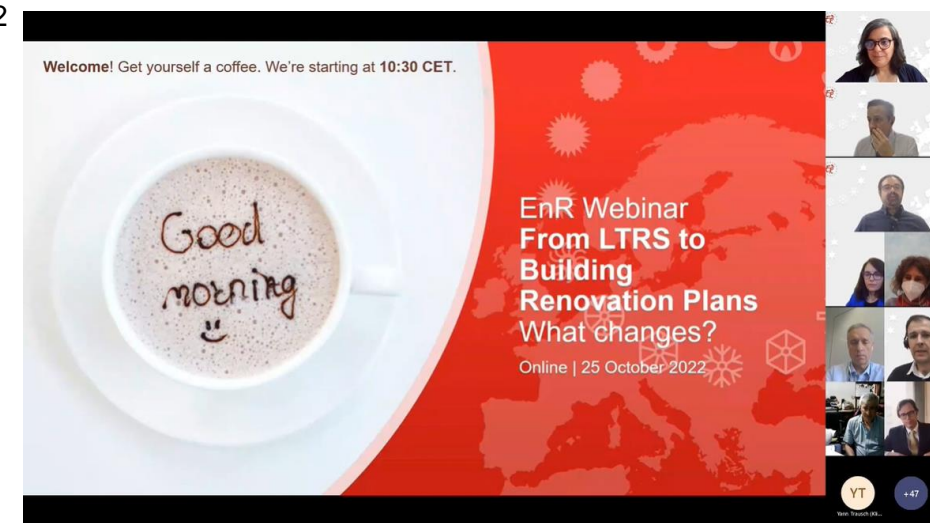
- 10:30 – 10:40 | **Nelson Lage** | President of the Board of Directors, ADENE & President of EnR 2022
- 10:40 – 10:50 | **Rui Fragoso** | Buildings Working Group chair, ADENE

Long Term Renovation Strategies - 1st year checkpoint

- 10:50 – 11:00 | Energy Agencies' role in LTRS – 1st years of implementation | **João Cleto**, ADENE
Focus on countries' LTRS – presentations from EnR Agencies
- 11:00 – 11:10 | Croatia LTRS | **Margareta Zidar**, Energy Institute Hrvoje Požar
- 11:20 – 11:30 | Finland LTRS | **Kirsi-Maaria Forssell**, Motiva
- 11:10 – 11:20 | France LTRS | **Maxime Pasquier**, ADEME
- 11:30 – 11:40 | Portugal LTRS | **Nuno Baptista**, ADENE

From LTRS to National Building Renovation Plans – What changes and how to do it?

- 11:50 – 12:10 | From LTRS to Building Renovation Plans | **Dimitrios Athanasiou**, DG ENER,
- 12:10 – 12:30 | Panel discussion
- 12:30 – 12:35 | Closing remarks | Rui Fragoso | Buildings Working Group chair, ADENE



Link | <https://www.youtube.com/watch?v=w-qfp7zGlvs&t=87s>



Buildings | LIFE 2022 calls

Success proposals involving 1 or more EnR members



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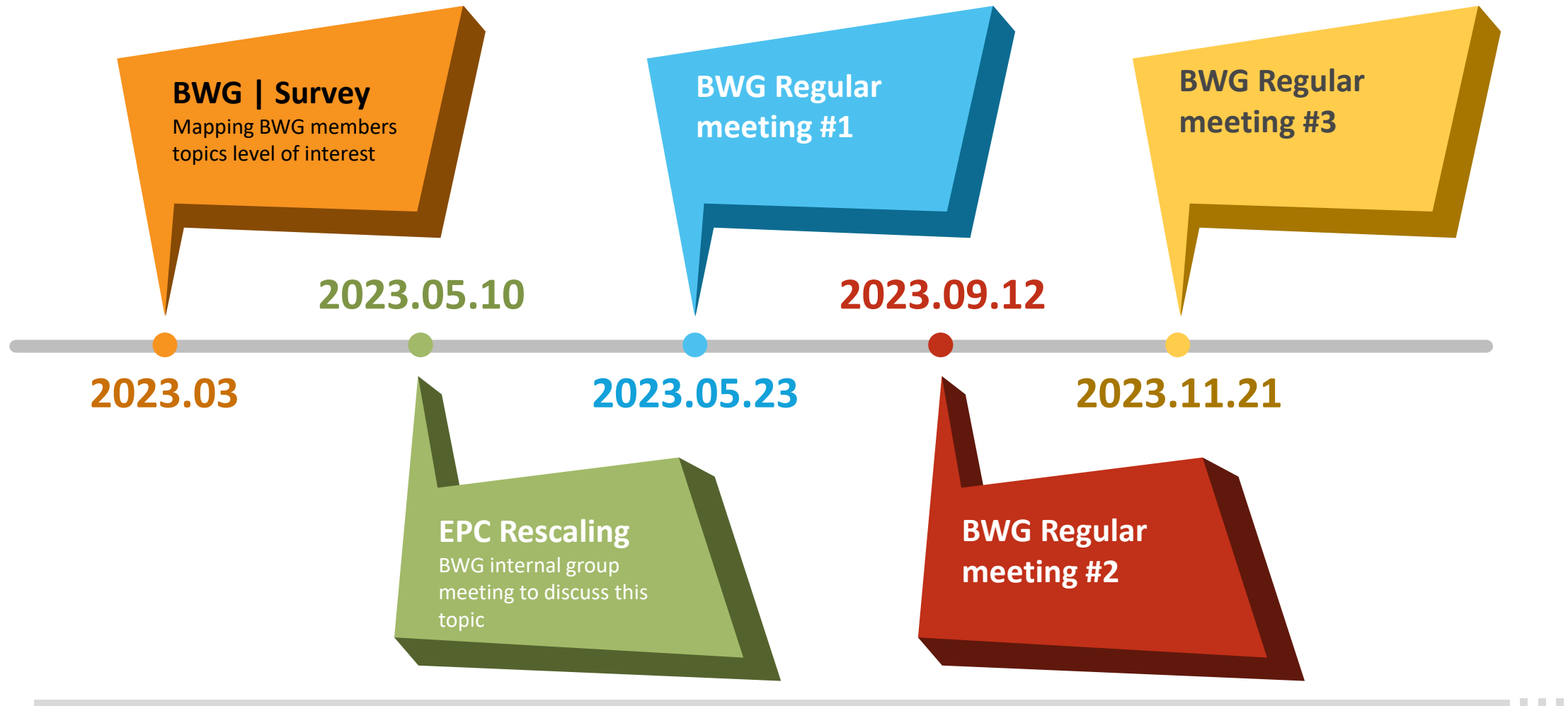
- **EPBD.Wise - LIFE-2022-CET-POLICY** - Effective implementation of the EPBD in line with short-term and long-term policy requirements (ADENE; ENEA)
- **SMART4EU - LIFE-2022-CET-INNOFIN** - Launching new Taxonomy-aligned Green Homes & Green Mortgages programs in the EU (ADENE)
- **LIFE22-CET-tunES - LIFE-2022-CET-BUILDPERFORM** - Tuning EPC and SRI instruments to deliver full potential (CRES, ENEA, AEA)
- **SMAFIN Expanded - LIFE-2022-CET-FINROUND** - Supporting smart financing implementation for energy renovation of existing private and/or public buildings, investments in SMEs and the tertiary sector (CRES)



Buildings | 2023 Activities and Events



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Buildings | BWG Survey

Mapping BWG members topics level of interest



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Date | Conducted online in March 2023

Participating countries | 10 responses (9 countries)

Topic	Score
Renovation Passports	4,1
Mandatory Energy Performance Standards (MEPS)	4,0
EPCertificates Schemes	3,9
One-stop-shops for renovation	3,9
EPBD links with other directives (EED and RES)	3,7
EPCertificates Re-scaling	3,6
Energy Poverty	3,6
Finance schemes and renovation barriers ²	3,6
Building performance within decarbonization of cities and communities	3,5
Digital building logbooks	3,4
Finance schemes and renovation barriers	3,4
Big data and data use	3,2
Life-cycle Global Warming Potential (and other indicators)	3,1
Environmental, Social, and Governance (ESG) and EU Taxonomy	2,7

Other topics referenced: **EP calculation method** (monthly or hourly); **serial renovation** (EnergieSprong) to address MEPS/digitalization; lack of available **expert staff** + **decarbonization heating systems** (heat pumps) and how to implement them in existing buildings stock (technical & subsidy issues); **Carbon Footprint and GHG emissions** from construction and **LCA**



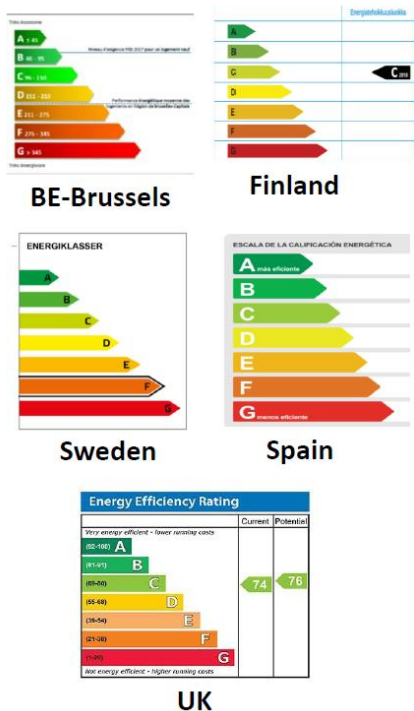
Buildings | EPC rescaling

Internal initiative to discuss challenges related with the EPC label

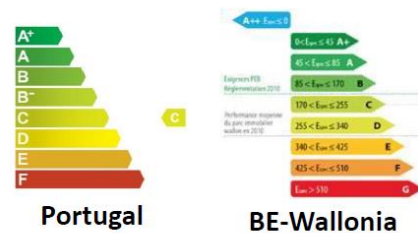
Objective: Discuss challenges that arise from changing the EPC label for a common label at the EU

Participating BWG members | 7 (ADENE, EIHP; ENEA; ESCANSA; EST; RVO; SEA)

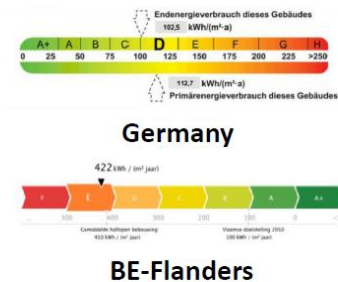
Traditional A-G:



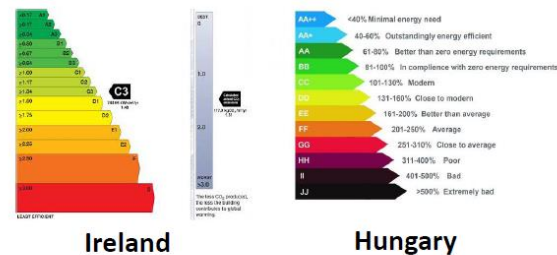
With few sub-scales:



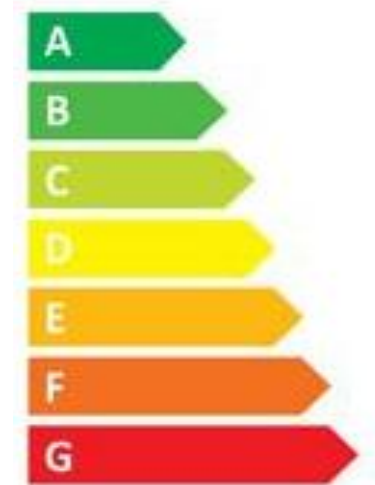
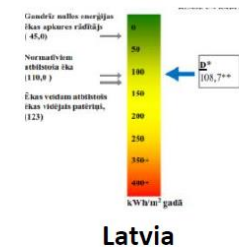
Hybrid (stepped + continuous):



With many sub-scales:



Continuous scale:





Future EPBD (2023)



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- ✓ 15/12/2021 – COM proposal
- ✓ 25/10/2022 – Council proposal
- ✓ 09/02/2023 – ITRE European Parliament
- ✓ 13/03/2023 – European parliament final proposal
- ❑ Final agreement between COM/Council/Parliament



The BWG has *Bean* waiting patiently



Thank you!

Working Group Chair

Rui Fragoso

rui.fragoso@adene.pt



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European Energy Network

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Colin Smith
Katie Searle

energy
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EnR Ecodesign & Labelling WG Chair
Energy Saving Trust, United Kingdom

Ecodesign & Labelling





EcoDesign & Labelling WG

Working Group Chair

**energy
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trust**

EnR Member Agencies



Non EnR WG members



BUSH ENERGIE





EcoDesign & Labelling WG | Activities and Events



Last meetings:

14th July

- Regular updates from members on activities taking place under EU programmes

6th September

- Presentation from Adene on HARP and labelling of existing heating systems
- Discussion on future WG Chair position
- Regular updates from members on activities taking place under EU programmes



EcoDesign & Labelling WG | Future plans

Working Group Chair

- EST unable to continue in the role of WG Chair in the long term but will continue as vice chair in an administrative support role and as an active member
- Reached out to members to see if there was an interest in taking over the role
- ADEME have volunteered to Chair the working group with EST as a vice chair supporting the running of the group

Task	Lead	Support
Attendance at full & regular meetings	ADEME to attend, finalise information and report	EST to support collation of information
Thinking Group Meeting (TGM)	ADEME to attend (if required), finalise information and report on WG activity	EST to support collation of information
WG Evaluation Report	ADEME finalise and report to required meeting	EST to support collation of information
Quarterly WG meetings	ADEME to chair meetings and finalise agenda	EST will manage meeting schedule, member lists, circulate agenda and minutes
Member contact list	ADEME to support	EST to keep up to date
WG Terms of Reference (ToR)	ADEME to lead review and update (when needed) with members/Troika	EST to support ADEME in drafting amendments to ToR



There is a future for the Ecodesign and Labelling WG



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trust**

- Thank you to ADEME to help keep this important WG alive 😊
- A meeting between ADEME and Energy Saving Trust in April to support the handover of the WG Chair
- Any EnR member is welcome to join the WG and participate in the quarterly meetings

Chair will be therese.kreitz@ademe.fr

EST WG Support will be niroshini.bodinagoda@est.org.uk



Thank you!

on behalf of the Working Group Chair

Colin Smith

Colin.smith@est.org.uk

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A voluntary network of European energy agencies

Colin Smith



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EnR Transport WG Chair
Energy Saving Trust, United Kingdom

Transport





Transport WG

Working Group Chair

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EnR Member Agencies



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Note

We are looking for a new Transport WG Chair or potentially co-chair – any volunteers please contact colin.smith@est.org.uk



Transport | Context

ToR Working Group Objectives for 2023 remain unchanged

- **Exchange** of developments, **information** and **experience** on national policies.
- **Strengthen cooperation** between WG members.
- **Identify best practice and success stories** in the deployment of energy efficiency within mobility and seek its wider dissemination.
- Initiation of joint activities/ projects.
- **Follow the developments** and European debate **on new policy challenges**



Milestones - Selected EU Targets

By 2025	By 2030	By 2035	By 2050
1 million charging points by 2025, (250,000 in 2020)	Standards set for average CO ₂ emissions of new cars to come down by 55% 30 million zero emission cars	All new cars and vans registered in Europe will be zero-emission	90% reduction in GHGs from transport Nearly all cars, vans, buses as well as new heavy-duty vehicles will be zero-emission (at tailpipe) Rail freight traffic will double
	Standards set for average CO ₂ emissions of new vans by 50%	All new vans registered in Europe will be zero-emission	
	80,000 zero emission lorries 45% reduction in CO ₂	65 % reduction in CO ₂	
	Traffic on high speed rail will double		
	All new city buses will be zero emission		
2% SAF in aviation fuel	5% SAF in aviation fuel, of which 0.7% is synthetic	20% SAF in aviation fuel, of which 5% is synthetic	63% SAF in aviation fuel, of which 28% is synthetic



Transport | Activities and Events

- Very limited activity since due to other work commitments of WG Chair

Date	
15 September 2022	Cancelled due to WG Chair contracting Covid
09 December 2022	Presentation of EIB Jaspers Project by Atkins (J oint A ssistance to S upport P rojects in E uropean R egions) - Emissions reduction in transport
30 March 2023	Adhoc call to discuss ADENE project proposal concept for Interreg funding call



Transport | The future is here

“Game changers” from established players, such as the Ford eTransit

“Volvo Trucks will deliver fully electric heavy-duty trucks to Amazon in Germany by year end. The 20 Volvo FH Electric are expected to drive more than one million road kilometres annually, fuelled with electricity instead of diesel.” – Volvo Trucks, 06 October 2022



New players in the market like Volta Trucks providing sustainability in urban delivery.....





And the follow-up Superbowl GM commercial....

<https://www.youtube.com/watch?v=863tyYjJ3eo>





Thank you!

Working Group Chair

Colin Smith

colin.smith@est.org.uk

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European Energy Network

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Didier Bosseboeuf



EnR Monitoring Tools WG Chair
ADEME, France

Monitoring Tools

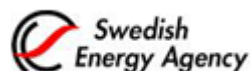




Monitoring Tools WG

Working Group Chair

EnR Member Agencies










Co-funded by the Horizon 2020 programme
of the European Union



ODYSSEE-MURE

 Alex Posso	Didier Bossebo... Didier Bosseboeuf	 Laura Sudries	 Javier Fontalvo
Elizabeth Moran Elizabeth Moran	 Daniel Fierro	Jaime Guerrero... Jaime Guerrero MEM	Jorge Mendieta... Jorge Mendieta - MEM
 lignac	Sebastián Espin... Sebastián Espinoza	Paola Ramírez Paola Ramírez	Patricia Recalde Connexion à l'audio ✓



Dr Didier Bosseboeuf, ADEME; WG Chair



WG “Monitoring tools : Achievements

- ✓ **Our proposal “ODYSSEE-MURE fit for 55” submitted to to LIFE-CET has been “again” successfully evaluated by the Commission.**

ADEME as coordinator thanks all the 40 partners (20 EnR agencies) which have contributed collectively to this success.

Grant agreement signed on October 2022.



The new proposal 2022-2025 in brief

- **Programme** : LIFE-CET
- **Topic**: Towards an effective implementation of key legislation in the field of sustainable energy policy
- **Duration** : 30 months, starting **October 2022**
- **Funding** : around 2 M€, 95% direct cost, 7% overhead
- **40 partners of which 18 EnR members, of which 9 Balkans countries, coordinated by ADEME, 30 letters of support including EnR club**
- Updates of ODYSSEE (3) and MURE databases (2) and facilities
- Support in capacity building for EC countries by Croatia and other partners
- Odyssee: **New updating process**, using more widely EUROSTAT data and horizontal sources
- Integration of a web-based **Policy Assessment Tool Policy radar** (based on Artificial Intelligence AI/Web scraping methods)
- Dissemination of the Odyssee-MURE/eceee European EE Scoreboard: **social media**



Recent achievements since M71

- 1st Technical coordination meeting (Paris, ADEME, November 16-17th)
- **KO meeting ODYSSEE-MURE (November 28th 2022) (92 participants)**
- Series of trainings
 - For new comers : ODYSSEE 17th January; MURE 19th January
 - For energy community countries : ODYSSEE February 21th; MURE February 23th 2023
- 1st Newsletter
- Participation to the conference on transport on the Danube region (Slovenia, 29th November 2022)



Work-programme 1st semester 2023

- Request to CINEA to re-include UK in the project
 - 2nd technical coordination meeting : 12th March
 - 1st Regional meeting : April 24th-25th 2023 (Croatia, EIHP)
 - Regional training : April 25th-26th (Croatia, EIHP)
 - Participation to the EESW (6 June?)
 - Signature of a consortium agreement (Spring 2023)
-
- First updating ODYSSEE (2020 data)
 - First updating MURE
-
- Inclusion of sufficiency
 - Inclusion fuel poverty

Measure Characterisation

Impacts

Relation to EU Policy Frame

Energy poverty & sufficiency

☒ Energy poverty

☐ aiming mainly or exclusively at energy poverty

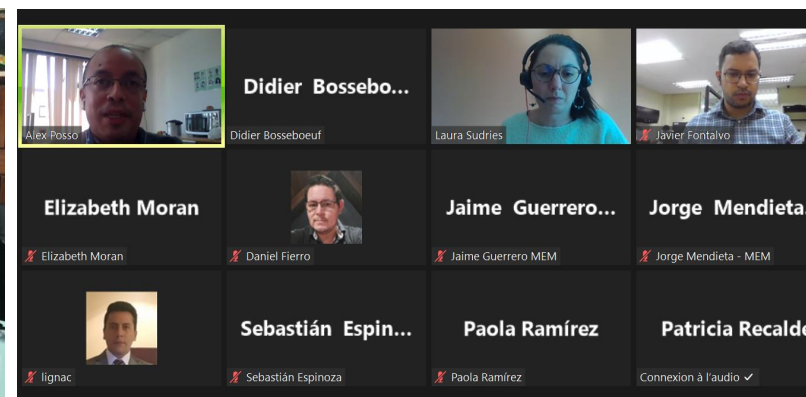
☐ including an important component addressing energy poverty

☐ Sufficiency



International dissemination

- ODYSSEE Methodology currently applied in:
 - India (ADEME-BEE cooperation),
 - In 8 SMECs (Medener and RCREEE through EC funding) training in Jordan, COP 27, energy efficiency week (Marocco)
 - In 15 LAC's with UN-CEPAL with AFD funding (regional meeting (Panama, December 2023, Mexico March 2023)





ABOUT THE ODYSSEE-MURE PROJECT

Comprehensive monitoring of efficiency trends and policy evaluation in EU countries, Norway, Serbia, Switzerland and the United Kingdom.

[LEARN MORE](#)



ABOUT ODYSSEE

Database on energy efficiency indicators and energy consumption by end-use and their underlying drivers in industry, transport and buildings.

[Learn more](#)



ABOUT MURE

Database on energy efficiency policies and measures by country in industry, transport and buildings.

[Learn more](#)

LATEST NEWS

 **30 NOVEMBER 2021**

On November 30th the Odyssee-Mure project hosted a live webinar: **“Recent energy efficiency trends in the EU”** (by L. Sudries and B. Lapillonne, Enerdata).

 **28 SEPTEMBER 2021**

MARKET
DIFFUSION



DECOMPOSITION



COMPARISON



ENERGY SAVING



ENERGY
EFFICIENCY
SCOREBOARD



SUCCESSFUL
MEASURES



POLICY MAPPER



ENERGY
EFFICIENCY
SCOREBOARD





Agenda | March 27th

March 27 | EnR Regular Meeting (afternoon)

Working Groups

14:00 – 14:30 | Working Group Evaluation

- (10 min + 5 reaction) Energy Efficiency | **Vassilis Kilias, CRES**
- (10 min + 5 reaction) Renewable Energy | **Philine Wedell, dena**

14:30 – 15:20 | Working Group Updates (7,5 min/WG)

- Industry & Enterprises | **Enrico Biele, ENEA**
- Behaviour Change | **Rebecca van Leeuwen, RVO**
- Buildings | **Rui Fragoso, ADENE**
- Labelling & Ecodesign | **Colin Smith, EST**
- Transports | **Colin Smith, EST**
- Monitoring tools | **Didier Bosseboeuf, ADEME**

15:20 – 15:40 | New Working Group Proposal - Water & Energy Nexus | **Filipa Newton, ADENE**

15:40 – 16:10 | *Coffee-break*

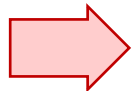
16:10 – 16:40 | 1st European Youth Energy Forum results and future EnR cooperation | **Tiago Vicente, EYEN**

EnR Presidency 2023

16:40 – 17:00 | BEHAVE 2023 Conference | **Rebecca van Leeuwen, RVO**

17:00 – 17:30 | EnR Presidency 2023 action plan, inc. discussion | **Christoph Jugel, dena**

19:30 – 22:00 | *Dinner @ FREA Bakery Restaurant (location on [Google Maps](#))*





European Energy Network

A voluntary network of European energy agencies

Filipa Newton



EnR Water-Energy Nexus Task Force Chair
Coordinator of Sustainable Innovation
ADENE, Portugal



European Energy Network

A voluntary network of European energy agencies

Water Energy Nexus

EnR new Working Group proposal

Terms of Reference and Work Plan 2023-2025



Water Energy Nexus WG

Working Group Chair



Agência para a Energia



Agência para a Energia



ITALIAN NATIONAL AGENCY FOR NEW TECHNOLOGIES,
ENERGY AND SUSTAINABLE ECONOMIC DEVELOPMENT



energy
saving
trust



Netherlands Enterprise Agency



Water Energy Nexus WG

Co-Chairs invitations will follow



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Chair



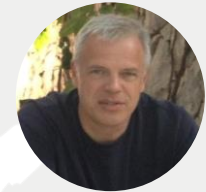
Filipa Newton



Ani Movsessiyan



Alessandro Fiorini



Vedran Krstulović



Mariana Simões



Brian Horne



Charalampos Malamatenios



Antoinet Smits



Sofia Cordeiro



Niroshini Bodinagoda



Georgia Vezyrgianni



Corinne van Voorden



Pedro Cardoso



Patrícia Malta Dias



Kirsi-Maaria Forssell



Stanislav Laktiš



Manuel Sapiano



Vanessa Faia



Jan Magyar

Water Energy Nexus task force activities'22





Studies and Publications | Overview

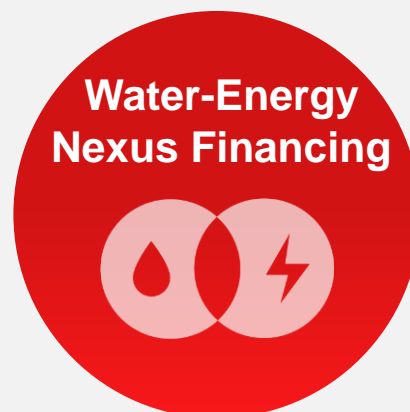
Studies and reports developed under WEN Task Force work (2022)



#GreenSkills&Jobs

Green Jobs

- Training gaps in existing and future workforce
- Propose guidelines for new job profile creation
- Strengthen climate transition within the European Skills Agenda
- Build from experience on water-energy nexus profiles



#SustainableFinance

Water-Energy Nexus Financing

- Innovative financing models based on successful energy efficiency models
- Foster solution adoption by facilitating compliance with EU Taxonomy



#WENLabelling

Taps&Showers Labelling

- survey on “European population’s perception of products and fixtures labelling schemes”
- Contribution for increased adoption of efficient water use products, fixtures, and appliances



Task force | Main deliverables Feb 22 - Feb 23

EnR'22 Study and Report – Water Energy Nexus Financing | “Smart finance for the water&energy nexus: Benchmark and recommendations on innovative financial mechanisms for cities and buildings” (Draft report in analysis by EnR WEN TF and Steering Committee).

EnR'22 Study and Report – Green Jobs&Skills | “Green Jobs & Skills: Challenges and Opportunities for Energy Agencies” (available [here @EnR Website](#)).

EnR'22 European Consumer Survey | Consumer willingness to choose taps and showers for water & energy savings through labelling (survey closed, information available [here @EnR Website](#)).

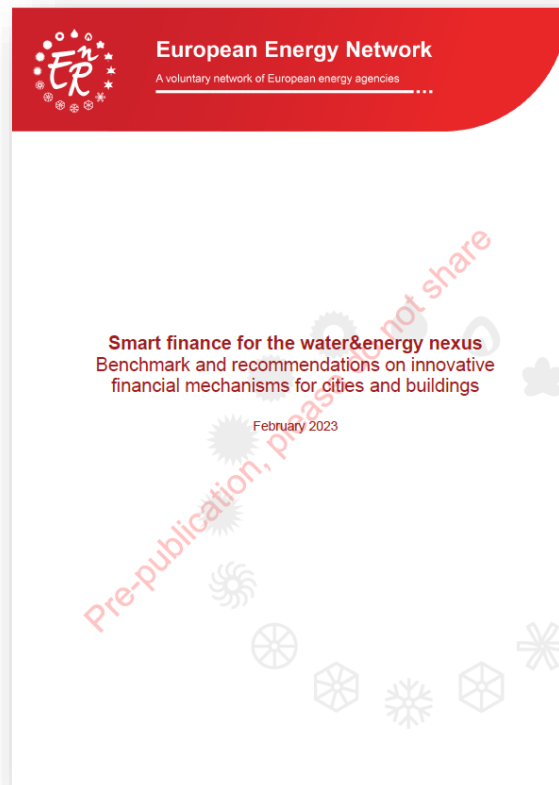
EnR'22 Report on the European Consumer Survey findings | “Energy & Water Labelling for the taps and showers market: Contribution for increased adoption of efficient water use products, fixtures, and appliances” (available [here @EnR Website](#)).

EnR'22 Water-Energy Nexus WG 1st Online Workshop | Valuing water & energy savings in consumer choices (available [here @EnR Website](#))



Task force | Main deliverables Feb 22 - Feb 23

EnR'22 Study and Report – Water Energy Nexus Financing |



Malta Dias P., Costa C., Cardoso P., Sargento R., Batalha A., Cordeiro S., Newton F. (2023) *Smart finance on water&energy nexus: Benchmark and proposals on innovative financial mechanisms for cities and buildings*, European Energy Network

Internal presentation and discussion tomorrow

March 28, 09h30 – 12h30 | EnR Full Meeting & Water-Energy Nexus Financing Study Presentation

Smart Financing for the Water-Energy Nexus | Study Presentation and roundtable

10:00 – 10:20 | EnR Study on Smart Financing for the Water-Energy Nexus | **Filipa Newton, ADENE**

10:20 – 11:40 | Roundtable: The role of Energy Agencies in the Water-Energy Nexus

- Sofia Santos, PhD, Sustainability Champion in Chief at Systemic
- Case studies from EnR agencies | EWA & MOTIVA
- Wrap-up



Task force | Main deliverables Feb 22 - Feb 23

EnR'22 Study and Report – Green Jobs&Skills |

Rodrigues H., Simões M., Faia V., Morais B., Cordeiro S.,
Newton F. (2022), *Green Jobs & Skills Challenges
and Opportunities for Energy Agencies*,
European Energy Network



*Report, vídeos and conclusions from TGM 2022
available [here](#) @EnR Website*



Task force | Main deliverables Feb 22 - Feb 23

EnR'22 European Consumer Survey | *Consumer willingness to choose taps and showers for water & energy savings through labelling (survey closed, information available [here @EnR Website](#)).*

EnR'22 Report on the European Consumer Survey findings | *“Energy & Water Labelling for the taps and showers market: Contribution for increased adoption of efficient water use products, fixtures, and appliances” (available [here @EnR Website](#)).*

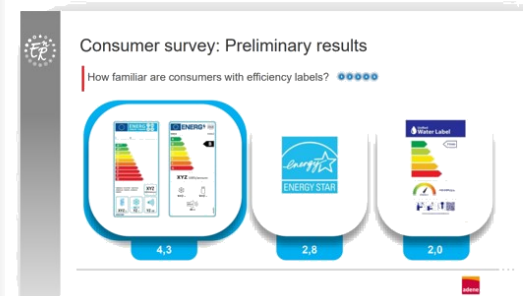
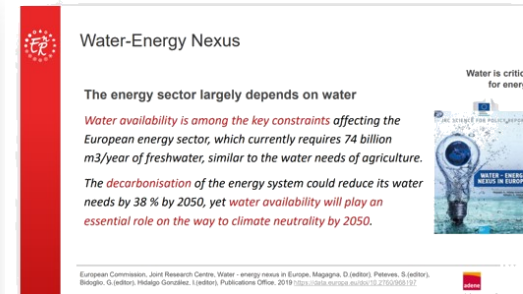
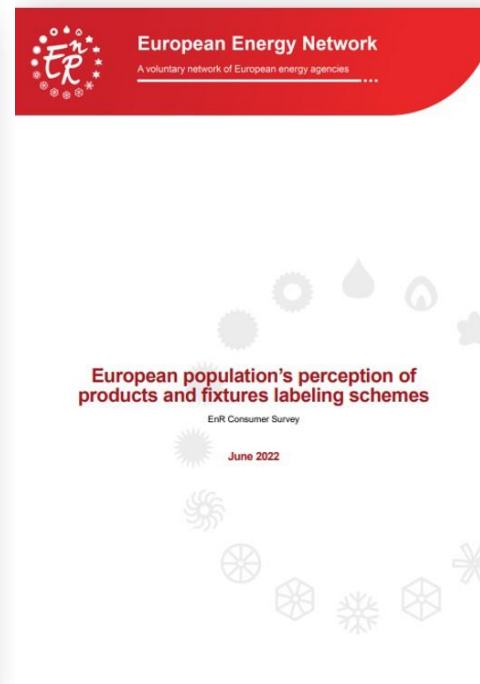
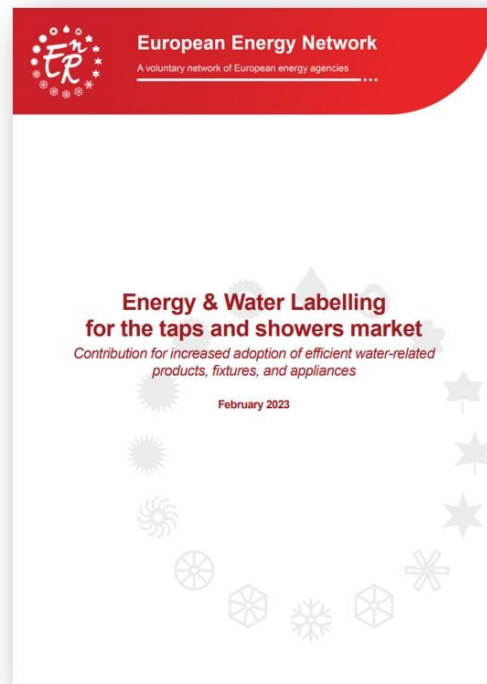
EnR'22 Water-Energy Nexus WG 1st Online Workshop | *Valuing water & energy savings in consumer choices (available [here @EnR Website](#))*



Task force | Main deliverables Feb 22 - Feb 23

EnR'22 Report on the European Consumer Survey findings and WG 1st Online

Workshop | Faia V., Cordeiro S., Newton F. (2023) *Energy & Water Labelling for the taps and showers market: Consumer Survey Report*, European Energy Network



EnR Water-Energy Nexus WG Plan



Water-Energy Nexus

Bridging key (re)sources for Climate's New Era





EnR W

European Energy Network (EnR) Working Group on Water-Energy Nexus

ADENE – Portuguese Energy Agency on behalf of EnR – European Energy Network (Partnership)
[#SDGAction50932](#)

DESCRIPTION

SDGS & TARGETS

DELIVERABLES & TIMELINE

RESOURCES MOBILIZED

PROGRESS REPORTS

FEEDBACK

Description

The Water-Energy Nexus Working-group, to be created under the European Energy Network (EnR), aims to contribute towards the European Green Deal targets and to boost resource efficiency, through the discussion around the interlinkages between water and energy, as key resources and dependable energy and water sources for Climate's New Era.

EnR Working Group on Water-Energy Nexus (EnR WEN WG) will be established as a formal working group of the EnR network, the European network of national energy agencies, which aims to contribute to the introduction and strengthening of the water theme and the water-energy nexus in national and European public policies, particularly those that specifically refer to energy and energy-climate, and the respective operationalization in the different European countries represented in the network.

This working group will be formally established this year, in the week following the UN 2023 Water Conference, during the EnR Full Members Meeting that will occur in Berlin by 28th March.

Action Network



Share



<https://sdgs.un.org/partnerships/european-energy-network-enr-working-group-water-energy-nexus>





Water-Energy Nexus WG | Main goals

Contribute and advocate for the **Water-Energy Nexus** approach under current and future European and national **policies on water, energy & climate** action, fostering stronger connection between these policies at **EU and Countries levels**.



Water-Energy Nexus WG | **Main objectives**

Exchange information | share experiences and best practices on water efficiency and combined water-energy efficiency; Water-energy nexus in renewable energy; Water reuse and alternative water sources (e.g., desalination); Water and energy monitoring; Impacts of integrated approaches to climate adaptation and mitigation goals.

Develop knowledge | studies and surveys to better understand stakeholders and users' needs regarding water-energy efficient policies/products/services and to identify bottlenecks, barriers, and success factors, aiming at supporting policy instruments, national authorities, and the European Commission (EC).

Foster opportunities | Joint projects on combined water and energy efficiency, boosting green growth, eco-innovation and green jobs.

Create a community in this topic | dissemination of results, conclusions, guidelines and engaging community, academia and stakeholders towards their implementation



Water Energy Nexus WG | Framework

Water as...



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Water is key for energy security

Energy and water interdependencies jeopardizes mitigation&adaptation goals

Competition for water is growing (energy, consumers and other economic activities)

Water
as a key **energy efficiency driver**,
a critical resource for **renewable energy**,
and a vital part of the **energy transition**,
climate action and
new **food systems**

Need for increased water efficiency and water conservation practices in all sectors

There is enhanced impact of combined water-energy approaches vs isolated ones



Water-Energy Nexus (WEN) WG | Scope

I. WEN2Demand | Water and energy combined approaches

- Acknowledging water efficiency as a critical energy efficiency measure.
- Investing in water and energy combined approaches, including water efficiency alongside energy efficiency, seizing combined increased efficiencies.

II. WEN@Production | Intertwined work and data

- Energy for Water: addressing water-energy nexus in alternative water sources (eg. water reuse, desalination), exploring future Renewable Water Communities.
- Water for Energy: addressing water-energy nexus in renewable energy and in Renewable Energy Communities; green hydrogen from water reuse.

III. WEN4Climate Action | Integrated approach

- Water's essential role on the way to climate neutrality by 2050 and to the EU Energy and Climate Strategy outcomes
- Integrated approaches and assessment of WEN quantified role and impacts towards climate adaptation and mitigation goals.
- Effective water-energy nexus as additional driver for healthy and environmentally-friendly food systems, as called for by the Green New Deal and the European Climate Law



Water-Energy Nexus (WEN) WG | Key enablers

FINANCING

- Systematic transformation to seize opportunities calls for **Smart market-based financing solutions**

PROFESSIONALS

- Reskilling and upskilling towards needed **Green Jobs & Green Skills**

CONSUMERS

- Awareness and **value of combined water and energy efficiency** (particularly in buildings but not only)

Historic role of European Energy Agencies

Public policy, awareness,
upskilling, deployment of
new solutions



Water-Energy Nexus (WEN) WG | Key enablers

FINANCING

- Systematic transformation to seize opportunities calls for **Smart market-based financing solutions**

EUR 177 billion annually from 2021 onwards to reach 2030 climate and energy goals

PROFESSIONALS

- Reskilling and upskilling towards needed Green Jobs & Green Skills

CONSUMERS

- Awareness and value of combined water and energy efficiency (particularly in buildings but not only)

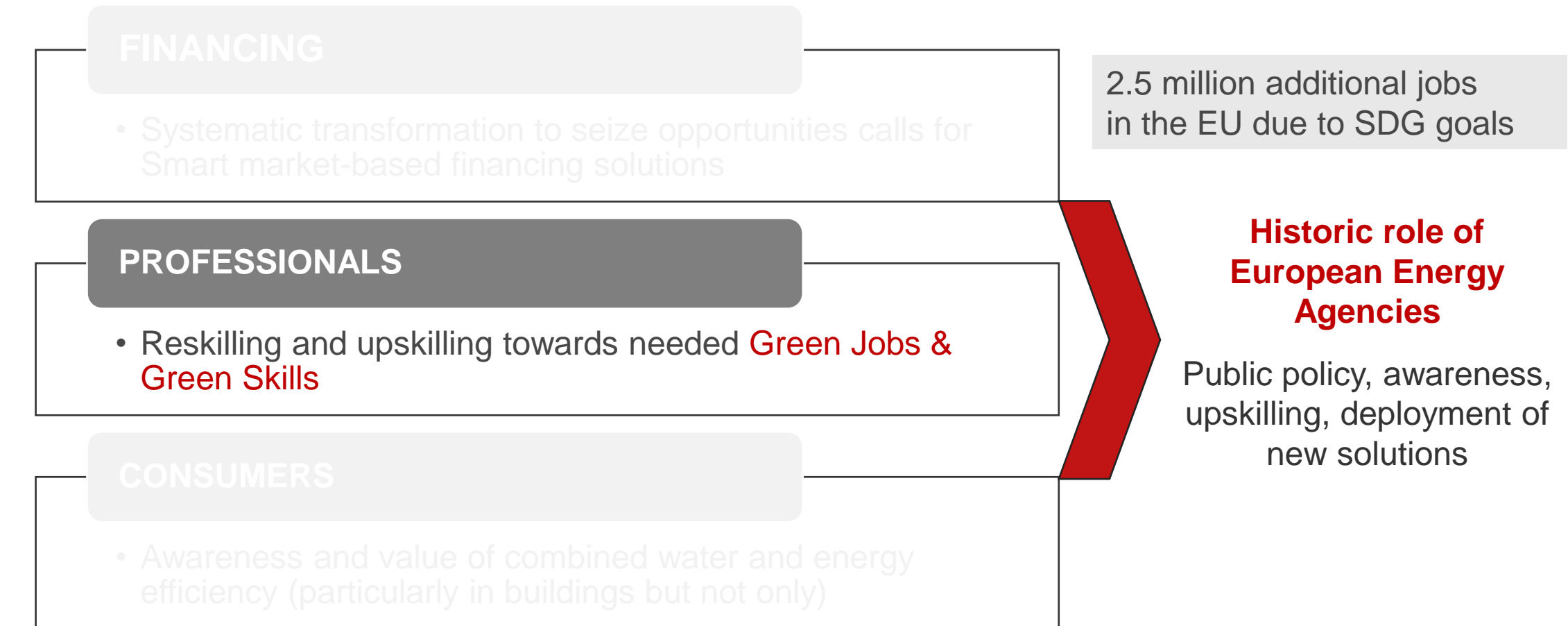
Historic role of European Energy Agencies

Public policy, awareness, upskilling, deployment of new solutions

https://energy.ec.europa.eu/system/files/2017-01/energy_union_package_factsheet_ii_v2_0.pdf



Water-Energy Nexus (WEN) WG | Key enablers



https://www.cedefop.europa.eu/files/4206_en.pdf



Water-Energy Nexus (WEN) WG | Key enablers

FINANCING

- Systematic transformation to seize opportunities calls for Smart market-based financing solutions

Consumer choices are key for successful policies&targets

PROFESSIONALS

- Reskilling and upskilling towards needed Green Jobs & Green Skills

CONSUMERS

- Awareness and **value of combined water and energy efficiency** (particularly in buildings but not only)

Historic role of European Energy Agencies

Public policy, awareness, upskilling, deployment of new solutions



Water-Energy Nexus WG | Strategy

Build on assessed information and findings | Follow on **recommendations and guidelines** from the task force reports under EnR'22 working plan

Assess EnR Agencies areas of interest under WEN | **Participatory online session** (no more surveys! 😊)

Link with EU Taxonomy and 2021-2027 long-term EU budget & NextGenerationEU | key to **Joint Interreg Europe Application**

Link with EU strategies under the principle of Energy Efficiency 1st and respective budgeting | **EPBD, LTRS, Recovery&Resilience Plans**

Reinforce alignment to topics debated in relevant international fora | **UNEP, FAO, World Bank**

Stakeholders Involvement | Water and Energy **Utilities**, public policy and financing **decision-makers**

Extending collaboration opportunities on current EnR activities | **projects, other WG and task forces activities**



Water-Energy Nexus WG | 2023 brief overview

Working Group ToR and Work plan 2023-2025 | Proposal and approval of Final ToR for the WG

Participation in the **UN Water Conference** and **Submission of a Commitment** to the UN Water Action Agenda

Direct invitation to EnR members to participate in EnR new WEN WG

EnR Water-Energy Nexus WG Smart-Financing Internal Panel and public Event | Panel to report the findings of the WEN WG study on “Smart finance for the water&energy nexus” – Berlin, 28 March

Assess EnR Agencies areas of interest under WEN | Participatory online session – April 2023

Funding opportunity | Apply to project funding for the WG activities in 2023 (Interreg Europe) | Concept note soon

Workshop on “How can smart financing help achieve EU targets” – June 2023



Water-Energy Nexus WG | Work plan topics 2023-2025

Priority topics and goals (work plan and Interreg Europe application)

1) Cooperation and advocacy for WEN in energy and water policies&instruments

- **Intertwined task force** (with EnR Labelling&Ecodesign WG) to push forward and accelerate take-up of a European WEN label for water-related products (in close contact with international examples in the US and Australia)
- **Intertwined task force** (with EnR Buildings WG and Industry&Enterprises WG) to introduce water efficiency and WEN indicators in national EPCs (Energy Performance Certificates), LTRS (Long term renovation strategies) and NBRP (National Building Renovation Plans), EPBD and EU Industrial Strategy, aiming also to intensify the cross-cutting reaching of energy efficiency among themes touched upon the EU Energy and Climate Strategy
- Cooperation on WEN **building certification schemes in other EnR countries**, with trial pilots (eg. Malta and Spain, in close contact with international examples in the US and Australia)

2) Data and monitoring

- **Quantification and proposal of common global indicators**, data and infographics on water efficiency and water-energy nexus (eg. energy footprint of water management, use and reuse; and water footprint of energy production)
- **Observatory on water efficiency and WEN** baseline and advances, starting off with Labelling, Smart Financing and Incentives, and Green Jobs → **Synergies with other observatories and with Odyssee-Mure!**



Water-Energy Nexus WG | **Work plan topics 2023-2025**

Priority topics and goals (work plan and Interreg Europe application)

3) Dissemination

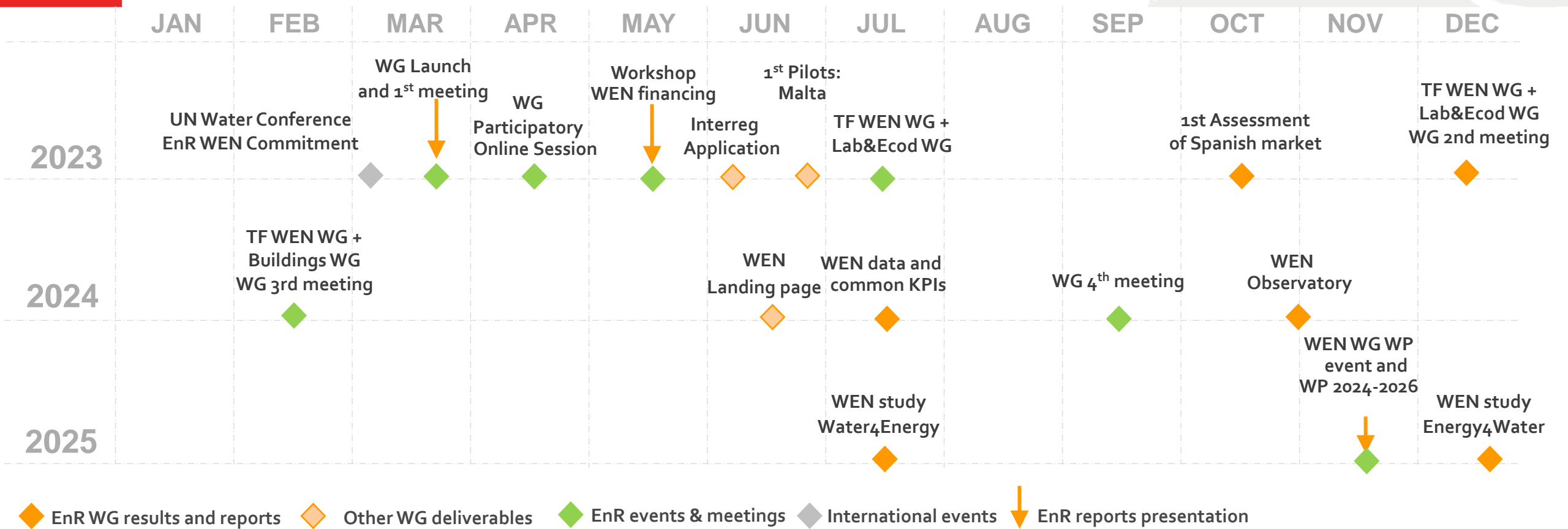
- **Dedicated landing page in EnR website** to disseminate water-efficiency and WEN, including WEN financing schemes and other smart incentives (e.g. tax), green jobs and certifications
- Platform (or collaboration with existing platforms) for dissemination of water efficient products
- **Dedicated webinars** and physical events on the topics addressed by WEN WG and Interreg project

4) EnR studies on new EnR topics relevant to WEN

- **Forward-looking approach, including futures thinking and design thinking** dynamics to forecast topic evolution, cross-cutting challenges (eg. digitalization, food, labor, droughts) and effectively anticipate market needs
- **Energy for water:** WEN indicators and opportunities to improved energy efficiency and renewable energy to wastewater reuse and new water sources (rainwater harvesting, desalinization) – WEN in future Renewable Water Communities
- **Water for energy:** WEN indicators and opportunities to improved water efficiency in renewable energy production, particularly solar and green hydrogen (using reused wastewater) – WEN in Renewable Energy Communities



Water-Energy Nexus WG | WP timeframe 2023-2025





Water-Energy Nexus WG Invitation

Water-Energy Nexus

Bridging key (re)sources

>> including EnR joint forces <<
for Climate's New Era



Agência para a Energia

Water Energy Nexus from task force to WG

EnR'22 TF Member Agencies



Agência para a Energia

ITALIAN NATIONAL AGENCY FOR NEW TECHNOLOGIES,
ENERGY AND SUSTAINABLE ECONOMIC DEVELOPMENTSLOVENSKÁ INOVAČNÁ
A ENERGETICKÁ AGENTÚRA

EnR'22 WEN Studies' Steering Committees / Surveys



German Energy Agency



AUSTRIAN ENERGY AGENCY

Instituto para la Diversificación
y Ahorro de la Energía

Other Agencies to invite and still to captivate :-)

Projektträger Jülich
Forschungszentrum JülichKrajowa Agencja
Poszanowania Energii S.A.SUSTAINABLE
ENERGY AUTHORITY
OF IRELANDHungarian Energy and Public
Utility Regulatory AuthorityDanish Energy
Agency



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