



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



ODYSSEE-MURE

**M68 full and regular meetings
February 17th & 18th 2021**

WG “decision support tools for Energy Efficiency policies evaluation”

So-called WG “Monitoring tools”

Evaluation report

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Objectives and key features

- The EnR monitoring tools ODYSSEE MURE have been supported by the H2020 programme of the European Commission from the last 25 years. It covers 31 countries*, mainly **energy efficiency agencies** or Ministries; coordinated by ADEME
- **Its main objectives are to exchange of information and provide evidences :**
 - ✓ Evaluate and compare energy efficiency progress by sector, in relation to the observed trend in energy consumption and to the EU targets ;
 - ✓ Evaluate energy efficiency policy measures and identify the “best measures” .
 - ✓ New topics each round (Ex: EE1P; fuel poverty, sufficiency for 2020-21)
- The project relies on two data bases:
 - ✓ **ODYSSEE** on energy efficiency indicators;
 - ✓ **MURE** on all policy measures implemented by sector, and their impact evaluation.
 - ✓ **Decentralised data collection** which ensures a legitimacy of the results
 - ✓ **Exchange** on methodologies, interpretation through workshops gathering 60 experts
 - ✓ **Harmonised data collection** allowing data going « beyond the energy balance », Rapid updating (- one year), quality check

**28 EU Member States (UK included)+ Norway, Serbia and Switzerland*

The EnR WG Monitoring tool network : 150 experts mainly from energy efficiency agencies

				GREECE  Centre For Renewable Energy Sources And Saving	HUNGARY  Hungarian Energy and Public Utility Regulatory Authority	IRELAND  Sustainable Energy Authority of Ireland	ITALY  National Agency for New Technologies, Energy and the Environment
AUSTRIA  Austrian Energy Agency	BELGIUM  Ministry of Economy and Energy	BULGARIA  Sustainable Energy Development Agency	CROATIA  Energy Institute Hrvatske Polje	LATVIA  Institute of Physical Energetics	LITHUANIA  Lithuanian Energy Institute	LUXEMBOURG  MyEnergy	MALTA  Energy & Water Agency
CYPRUS  Cyprus University of Technology	CZECH REPUBLIC  ENVIROS	DENMARK  Danish Energy Agency	ESTONIA  Tallinn University of Technology	HUNGARY  Institute for Energy Technology	POLAND  Central Statistical Office of Poland	POLAND  Polish National Energy Conservation Agency	PORTUGAL  Energy Agency ADENE
FINLAND  Motiva	FRANCE  Agency for Ecological Transition (ADEME)	FRANCE  Enerdata	GERMANY  Fraunhofer ISI	ROMANIA  Regulatory Authority for Energy	SERBIA  Institute Nikola Tesla Belgrade	SLOVAKIA  Slovak Innovation and Energy Agency	SLOVENIA  Joze Stefan Institute
				SPAIN  Institute for the Diversification And Saving of Energy (IDAE)	SWEDEN  Borg and CO / ECEEE	SWEDEN  Swedish Energy Agency	SWITZERLAND  University of Geneva
				SWITZERLAND  Zürich University of Applied Sciences	THE NETHERLANDS  Energy research Centre	THE NETHERLANDS  Ministry of Economic Affairs	UNITED KINGDOM  Ricardo Energy & Environment

Co-ordinator

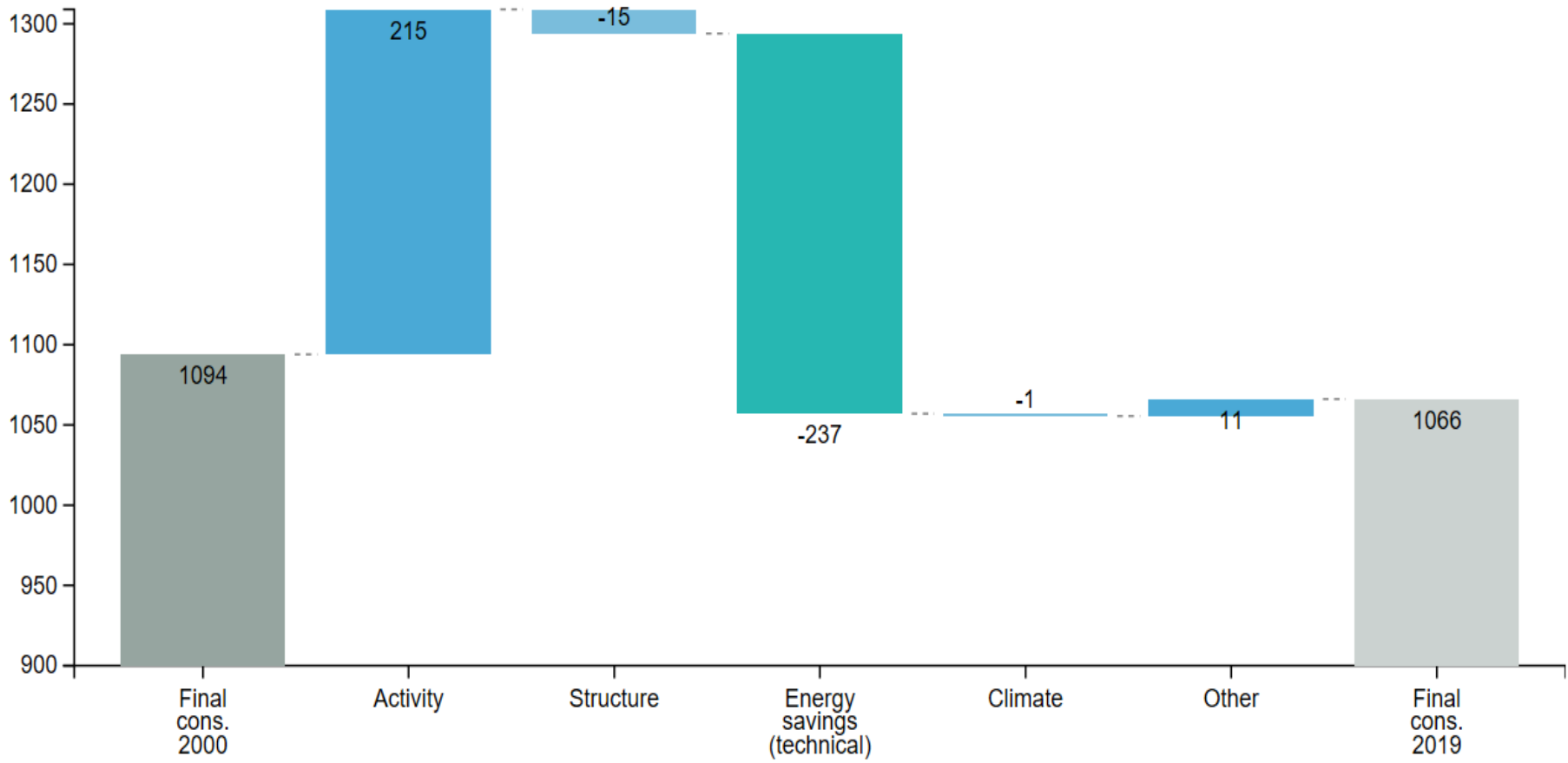


We deliver advanced methodologies

Decomposition analysis and energy saving calculation

**VARIATION FINAL ENERGY CONSUMPTION
EUROPEAN UNION 28
MTOE (2000-2019)**

VARIATION ENERGY INTENSITY





The methodology of these tools is implemented in 70 countries..

- **Europe/EC** : (DGEN, JRC, **EEA**, Eurostat, ECEEE, EnR club)
- **OECD/IEA** : (EEUMD for G20),
- **G20** : With the co-chairing of IEA (EEUDM project)
- **Latin America** : UN-CEPAL (project BIEE& ROSE 25 countries), Mexico (AFD-CONUEE),
- **Africa** : (MEDENER/MEETMED (7 SEMCs)
- **Asia** : India (BEE)

- **National level (e.g. German Ministry of Economic Affairs BMWi)**

- **ISO 50049**: Energy saving calculation at country, region and cities : Energy efficiency index, structural changes of energy intensities and decomposition analysis



How the E.C. uses ODYSSEE-MURE outputs



Brussels, 30.11.2016
 SWD(2016) 407 final
 PART 1/3

COMMISSION STAFF WORKING DOCUMENT
 IMPACT ASSESSMENT
 Accompanying the document
 Proposal for a Directive of the European Parliament and of the Council
 amending Directive 2012/27/EU on Energy Efficiency

{COM(2016) 761 final}
 {SWD(2016) 406 final}



Clean energy
 for all Europeans



Good practice
 in energy efficiency

For a sustainable, safer
 and more competitive
 Europe

- Reporting for National Energy and Climate Plans NECPs (and previously National Energy Efficiency Action Plans NEEAPs)
- Impact assessments (e.g. Energy Efficiency Directive, Energy Performance Directive for Buildings)
- Monitoring of targets (e.g. with the ODYSSEE decomposition tool)
- Monitoring of measures with MURE (e.g. analysis of measures contributing to the 2030 energy efficiency targets, identification of gaps and measures who could close the gaps)
- European Energy Efficiency Scoreboard: comparison of national efforts



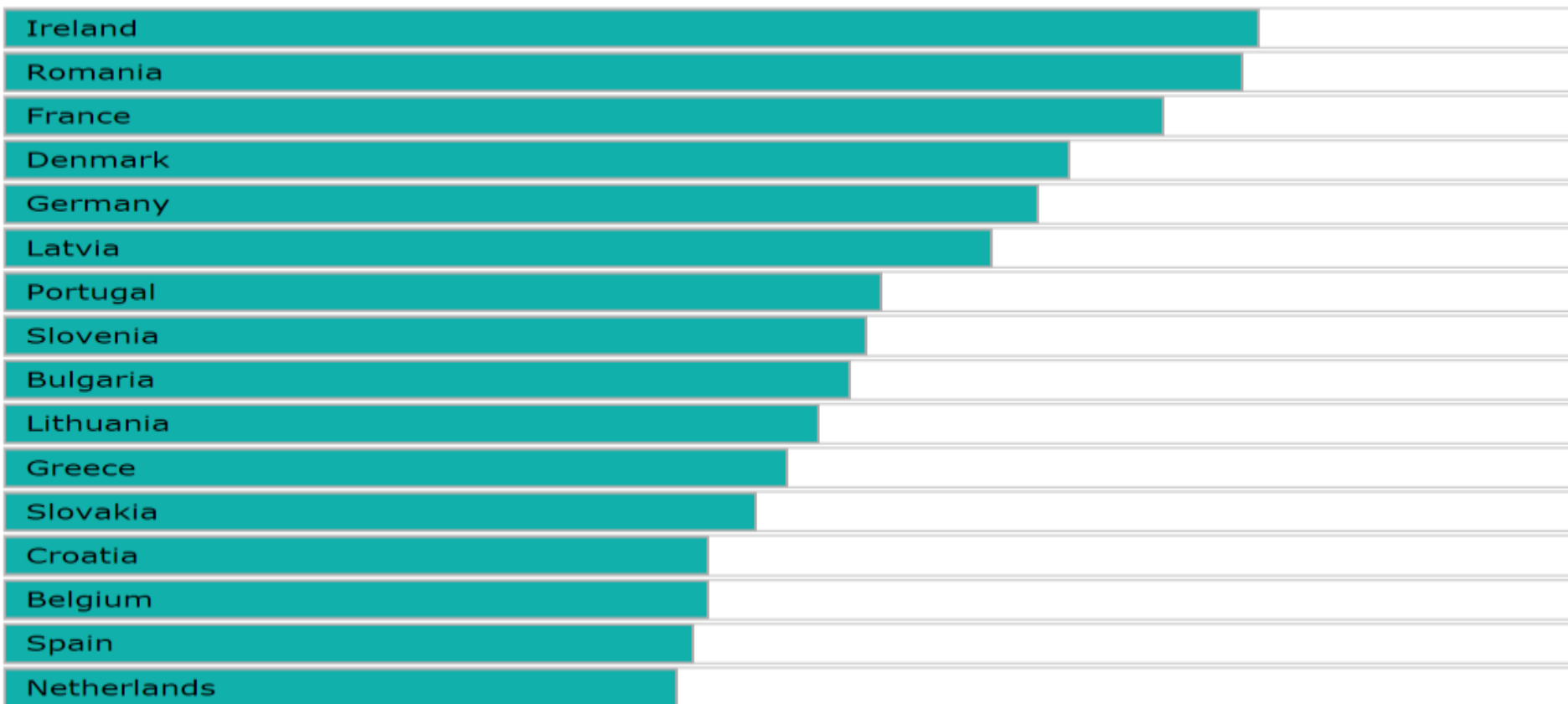
A comprehensive dissemination strategy using 10 complementary channels

1. Website EnR and ODYSSEE-MURE (400 000 views per year)
2. 32 Country energy profiles (Updated one a year)
3. 200 Sectoral profiles (Updated once a year)
4. 22 Policy briefs (6 done) and 7 webinars (3 done)
5. 6 Newsletters (3 done)
6. National reports (17 planned)
7. National seminars (2 achieved among 14 planned)
8. 3 Capacity building trainings to public authorities (2 occurred)
9. International dissemination (DGEN; EEA; IEA, UN-ECLAC etc;)
10. Scoreboard (ECEEE web site)

Conclusion : The Short-Medium-Long terms strategy

- To give better visibility in the Enr Web site
- To contribute to the interaction between WGs
- **To Submit a new proposal for the 2021 September H2020 program**
 - Inclusion of Balkans countries in EU accession, Integration of Multiple Benefits approach, Energy Efficiency indicators and policies for IT, New data sources for indicators based on smart meters; Indicators and synergetic policies for decarbonisation in industry
- **To be reference for DGEN (including JRC) for energy efficiency monitoring.** These monitoring tools can be part of the EED platform.
- To transfer this knowledge to Eurostat.

Conclusion : and the winner is : The ODYSSEE-MURE Combined score board



The overall energy efficiency score is obtained as an average of the three scores obtained for "energy efficiency level", "energy efficiency progress" and "energy efficiency policies" (i.e. one third weighting).

ADEME



AGENCE DE LA
TRANSITION
ÉCOLOGIQUE

**Next meeting : Zagreb June 2021 (EIHP) with
Balkans countries in EU accession**

Thank you for your attention

For more information

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www.odyssee-mure.eu