

# EU MS reporting on GHG policies and measures and national systems

9th Energy and Climate Technical Working Group

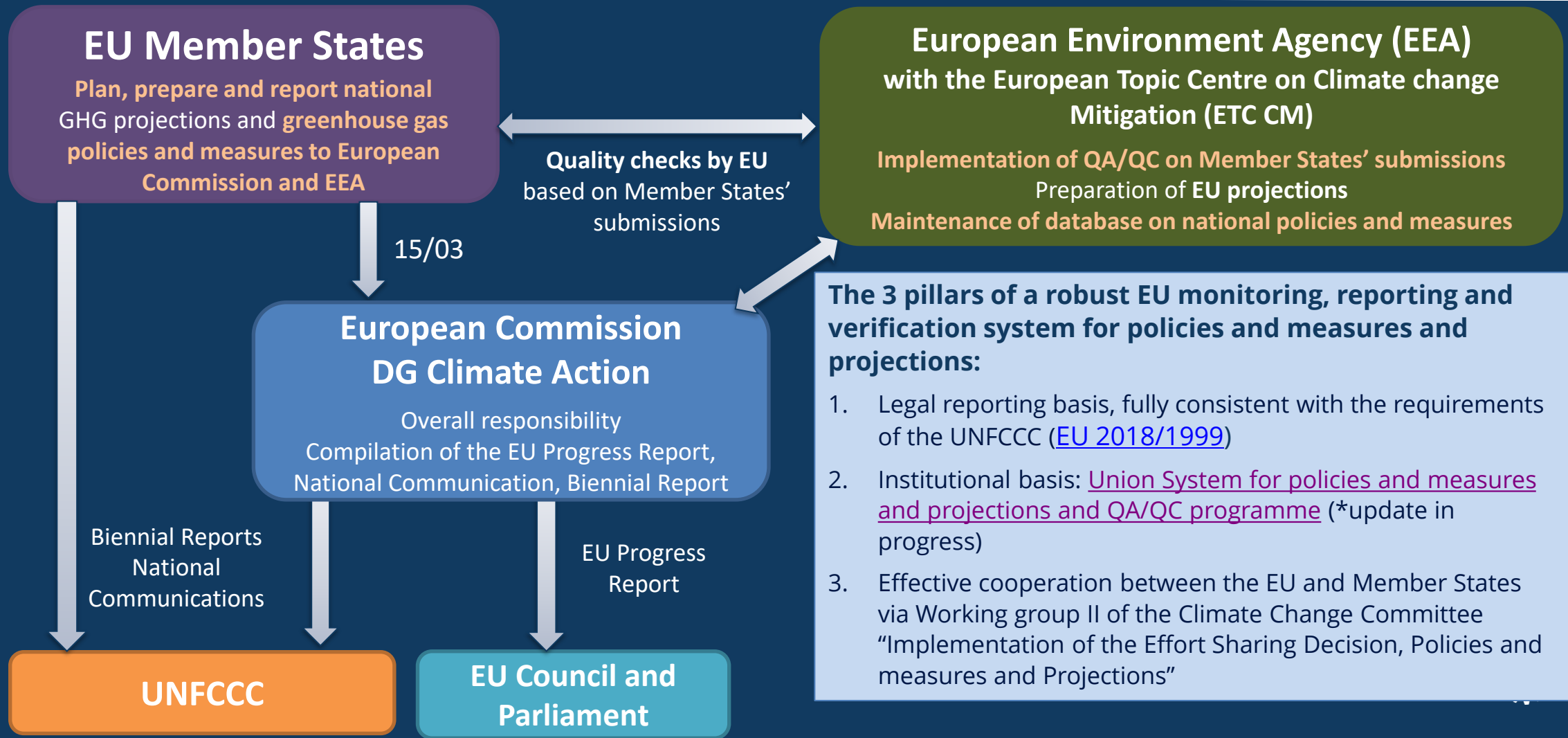
EEA | 07/04/2022 | Webex

# Transparent reporting on GHG policies supports further climate action

- MS shall translate **EU key measures** into national policies
- Under the climate legislation (MMR/Governance), countries have:
  - Communicated information on **more than 2 200 national GHG policies and measures**
  - **Improved the quality** of reported information over time
  - **Learned from each other and build national capacity** on policy reporting and evaluation
- Policy impacts **shall be integrated** in GHG projections
- **Similar challenges for EU MS** (resources, data, governance, inter-ministerial communication, policy effects, etc.)
- Importance of **robust national system**



# Union system - EEA clear responsibilities (QA/QC & dissemination)



# Decision of the Ministerial Council of the Energy Community [D/2021/14/MC\_EnC ] adapted:

- Regulation [\(EU\) 2018/1999](#): Governance of the Energy Union and Climate Action
  - National GHG PaMs (Art 18(1)(a), Annex VI)
  - National systems ( Art 39, Annex VI)
- Implementing Regulation [\(EU\) 2020/1208](#): structure, format and submission process
  - National GHG PaMs (Art 37, Annex XXIV)
  - National systems (Art 36, Annex XXIII)

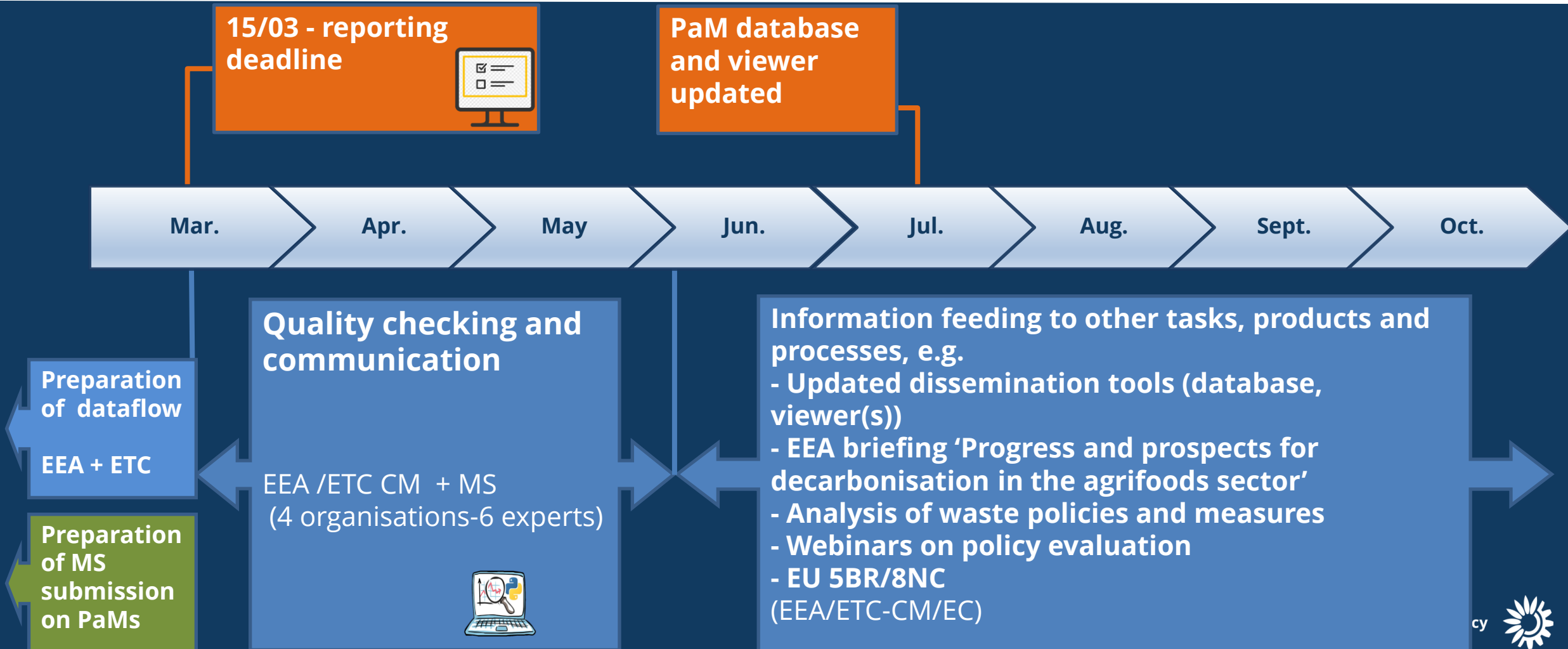


# What shall be reported on GHG policies and measures?

- Detailed information on policies and measures (**PaM webform**)
  - General information: objective, description, type, status, etc; (Table 1)
  - Where available (strongly encouraged)
    - indicators used to monitor and evaluate progress over time; (Table 1)
    - results of ex-ante and ex-post assessments, (Table 2)
    - available estimates of projected and realized costs and benefits of PaMs; (Table 3)
  - all existing references to the assessments of effects or costs
- **Technical report** (Word, pdf) with any additional information, e.g. methods, assumptions, definitions, links between PaMs - projections



# When – 2022 timeline - GHG policies and measures



# PaMs page on the Eionet portal

(<https://www.eionet.europa.eu/reportnet/docs/govreg/policies-and-measures>)

**Eionet Portal** Workspace ▾ Reportnet ▾ Countries ▾ ETCs ▾ About

Home Eionet > Reportnet > docs > GovReg > **GHG Policies and Measures**

## GHG Policies and Measures

**Navigation**

- > TEST
- > PROD
- > GovReg
  - > GHG Policies and Measures**

Reportnet 3 tutorial YouTube channel

EEA catalogue of European environment and climate policy evaluations

Import functionality - supporting documents

Useful for GHG PaM reporting outputs from the contract on policy evaluation and policy implementation

Projections

National systems for policies and measures and projections

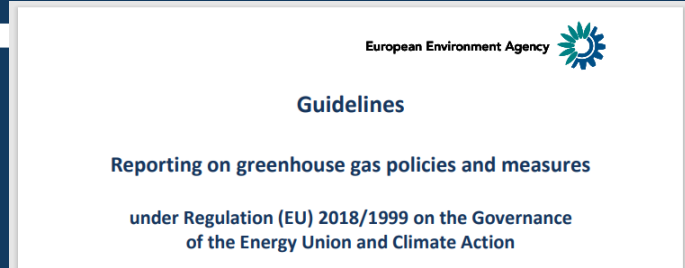
- 2021 Reporting guidelines - GHG PaMs - Governance Regulation Article 18 v3.0**
- Guidance document for ex-post evaluation of climate policies in Effort Sharing sectors\_ summary presentation**
- Guidance document for ex-post evaluation of climate policies in Effort Sharing sectors**
- Methodologies for Cost-Benefit Analysis**  
prepared by the EEA and ETC/CME in 2019
- Overview of policy evaluation guidelines**  
prepared by the EEA and ETC/CME in 2018
- Presentation to WG2 - Preparation for 2021 reporting - December 2020**
- Presentation to WG2 - Preparation for reporting under the Governance Regulation due 15 March 2021 - March 2021**
- Presentation - Training session on GHG policies and measures- 8 February 2021**
- GHG PaMs - Supporting docs for Import functionality**


Guidelines document



# Guidelines document and YouTube channel

([https://www.youtube.com/playlist?list=PL1\\_QSyumTz7BDCar7q2ZmvKvc-15Q5RVr](https://www.youtube.com/playlist?list=PL1_QSyumTz7BDCar7q2ZmvKvc-15Q5RVr))



European Environment Agency 

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# How – via Reportnet 3, Reporting window for GHG policies and measures

Reportnet 3.0 > Dataflows > Dataflow

## National greenhouse gas policies and measures

Dataflow

Dataflow help | Data | Attachments | Reference data | Confirmation receipt (NEW) | Release to data collection

Reporters:  
1-2 Lead +  
X supporting

Information on national  
GHG policies and measures  
to be provided via the  
Webform (or Excel upload)

Technical report in  
pdf/word to be  
uploaded here



# GHG PaM webform – 3 tables as in the Implementing Regulation

Webform for reporting on greenhouse gas policies and measures under the Governance Regulation (EU2018/1999)

Single: 1

+ Add

Group:

+ Add






Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change
 		1			Single			 Edit table	 Edit table	 Edit table



Table 1



Table 2



Table 3



# PaM webform at a glance (1/3)

Table 1: Sectors, gases and type of policy instrument

PaM Id \* ⓘ

1

Name of PaM or group of PaMs \* ⓘ

Implementation of the emission trade system in xxxxx

Name of PaM or group of PaMs in national language

Is this a single PaM or a group of PaMs? \*

Single

Short description \*

This Pam is the implementation of the ETS in xxxxx, the objective is to reduce greenhouse gas emissions. National implementation is carried out with national act of ...

Geographical coverage \*

Detailed information on policy to be provided



# PaM webform at a glance (2/3)

Table 1: Sectors, ; Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change

PaM Id: 1

Name of PaM or g: Implementation of

Name of PaM or g: Policy impacting EU ETS, LULUCF and/or ESD/ESR emissions \* ⓘ

EU ETS

Is this a single PaM: Single

Short description: This Pam is the imp:

Geographical cover:

**Ex-ante assessment \***

GHG emissions reductions for year 2030 (kt CO<sub>2</sub>-equivalent per year)

EU ETS	ESR	LULUCF ⓘ	Total ⓘ
250			

GHG emissions reductions for year 2035 (kt CO<sub>2</sub>-equivalent per year)

EU ETS	ESR	LULUCF ⓘ	Total ⓘ
300			

Effects of policy to be provided, if available



# PaM webform at a glance (3/3)

The screenshot displays the PaM webform interface, showing three tables. Table 3 is the main focus, titled "Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change".

Table 3 details:

- PaM Id: 1
- Name of PaM or group of PaMs: Implementation of the emission trade system in xxxxx
- Policy impacting EU: EU ETS
- Year(s) for which cost has been calculated: 2030
- Price reference year: 2016
- Cost: Gross costs in EUR per tonne CO2eq reduced/sequestered \* (empty field)
- Absolute gross costs per year in EUR: 12750000
- Benefit: Benefits in EUR per tonne CO2eq reduced/sequestered \* (empty field)
- Absolute benefit per year in EUR: -501587000

An orange box highlights the "Cost and benefits of policy to be provided, if available" section, with arrows pointing to the "Cost" and "Benefit" fields.

# A comprehensive database on national policies and measures

- Keeps track of actions at national level
- Facilitates sharing of good practices
- Provides overview
- Complements other sources

Search term

Country	ID of policy or measure	Name of policy or measure	Single policy or measure, or group of measures	Policies or measures included in the group	Type of policy instrument	Status of implementation	Policy impacting EU ETS, ESD or LULUCF emissions	Sector(s) affected	Objective(s)	Total GHG emissions reductions in 2020 (kt CO <sub>2</sub> eq/y)	Total GHG emissions reductions in 2030 (kt CO <sub>2</sub> eq/y)	Entities responsible for implementing the policy
Austria	1	<a href="#">EU Emission Trading Scheme (ETS)</a>	Single	Single PaM	Economic; Regulatory	Implemented	EU ETS	Cross-cutting	Cross-cutting: Framework policy; Cross-cutting: Multi-sectoral policy			Government: Ministry of Agriculture, Forestry, Environment
Austria	2	<a href="#">Domestic Environmental Support Scheme</a>	Single	Single PaM	Economic	Implemented	EU ETS; ESD	Cross-cutting	Cross-cutting: Framework policy; Cross-cutting: Multi-sectoral policy	300	300	Government: Ministry of Agriculture, Forestry, Environment
Austria	3	<a href="#">Austrian Climate and Energy Fund (KLI, EN)</a>	Single	Single PaM	Economic; Research	Implemented	EU ETS; ESD	Cross-cutting	Cross-cutting: Framework policy; Cross-cutting: Multi-sectoral policy			Government: Ministry of Agriculture, Forestry, Environment
Austria	4	<a href="#">Increase the share of renewable energy in energy supply and</a>	Single	Single PaM	Economic; Regulatory	Implemented	EU ETS; ESD	Energy supply	Energy supply: Efficiency improvements of energy production	42		Government: Ministry of Science, Research and Economy
Austria	5	<a href="#">Increase energy efficiency in energy and manufacturing</a>	Single	Single PaM	Economic; Planning	Implemented	EU ETS; ESD	Energy consumption	Energy consumption: Efficiency improvements of buildings; Energy			Government: Ministry of Science, Research and Economy; Regional
Austria	6	<a href="#">Increase the share of clean energy sources in road transport</a>	Single	Single PaM	Economic; Information	Implemented	ESD	Transport	Transport: Low carbon fuels/electric cars			Government: Ministry of Finance; Government: Ministry of
Austria	7	<a href="#">Increase fuel efficiency in road transport</a>	Single	Single PaM	Economic; Fiscal	Implemented	ESD	Transport	Transport: Improved behaviour; Transport: Efficiency improvements			Government: Ministry of Finance; Government: Ministry of
Austria	8	<a href="#">Increase the share of public transport modes</a>	Single	Single PaM	Economic; Information	Implemented	ESD	Transport	Transport: Modal shift to public transport or non-motorized			Government: Ministry of Transport, Innovation and
Austria	9	<a href="#">Increased energy efficiency in buildings</a>	Single	Single PaM	Economic; Information	Implemented	ESD	Energy consumption	Energy consumption: Efficiency improvements of buildings	438	607	Government: Ministry of Agriculture, Forestry, Environment
Austria	10	<a href="#">Increased share of renewable energy for space heating</a>	Single	Single PaM	Economic; Information	Implemented	ESD	Energy consumption	Energy consumption: Efficiency improvements of buildings; Energy	593	1319	Government: Ministry of Agriculture, Forestry, Environment

Filter by

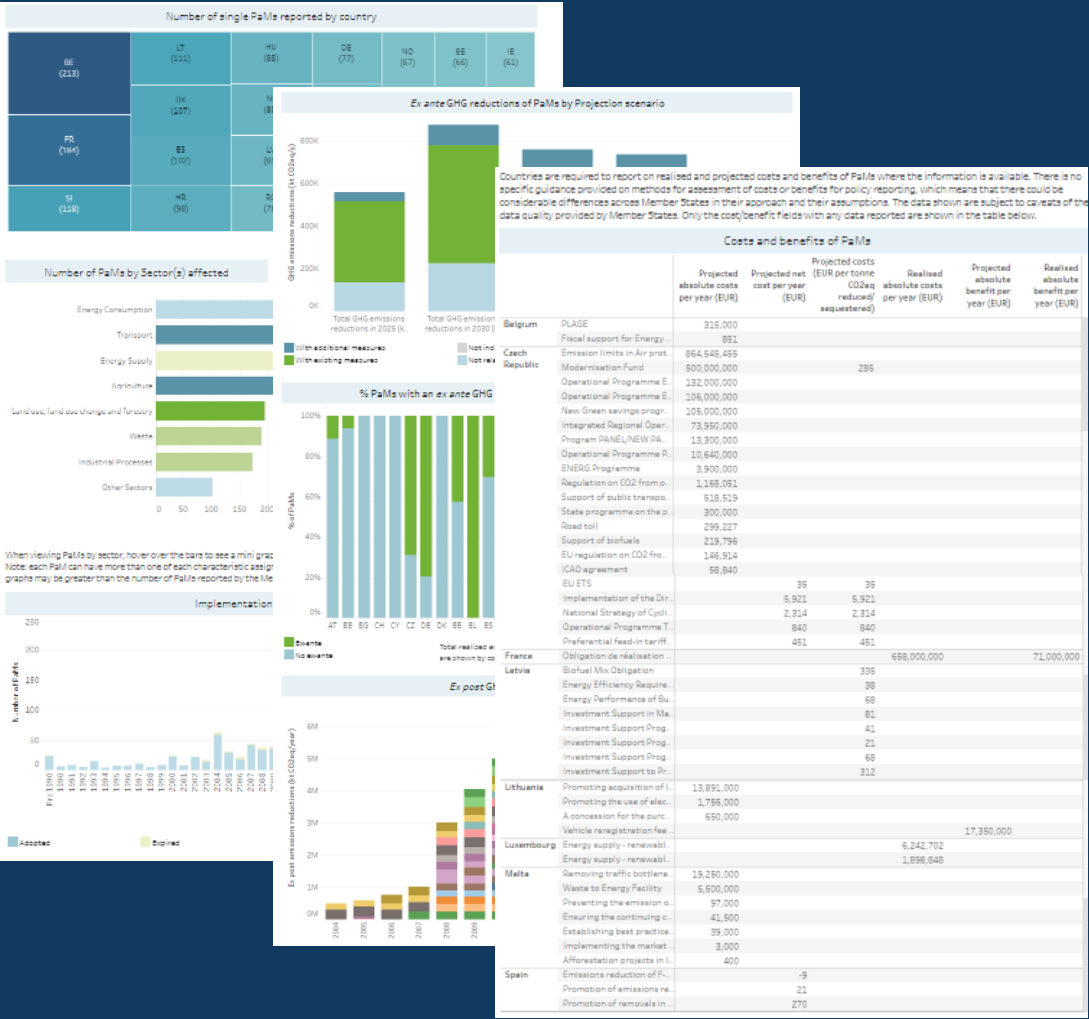
- Country
- Single policy or measure, or group of measures
- GHG(s) affected
- Sector(s) affected
- Objective(s)
- Type of policy instrument
- Status of implementation
- Entities responsible for implementing the policy (type)
- Implementation period start
- Is the policy or measure related to a Union policy?
- Union policy which resulted in the implementation of th...
- Projection scenario in which the policy or measure is inclu...
- Policy impacting EU ETS, ESD or LULUCF emissions
- Total GHG emissions reductions in 2020 (kt CO<sub>2</sub>eq/y)
- Total GHG emissions reductions in 2030 (kt CO<sub>2</sub>eq/y)

Download search results (CSV) Results 1 - 10 of 2046 next >

<http://pam.apps.eea.europa.eu/>



# Interactive viewers allows to explore PaM information (EEA website, CE website)



## Greenhouse gas policies and measures

How many and what kind of policies and measures (PaMs) did the European countries introduce to reduce greenhouse gas emissions and to achieve climate change and energy targets? European countries report the main characteristics of the GHG PaMs, such as policy instrument type, status, year etc. Where available, quantitative information on the GHG post), as well as the projected and realised costs and benefits, and recently reported national GHG PaMs that are quality ch

### Number of introduced policies and measures

Since 2015, the number of national policies and measures report increasing. The number of new policies at the planning stage is in of national policies and measures reported by a country is not ne ambition. Select a country on the map or use the dropdown to fil



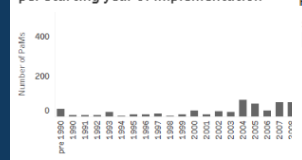
In all countries, 2 214 policies and measures were reported.

These give a total GHG emissions reduction of:

**2025**  
423 492 (kt CO2 eq/y)

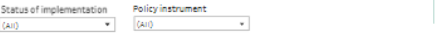
**2030**  
651 210 (kt CO2 eq/y)

### Number of policies and measures reported per starting year of implementation

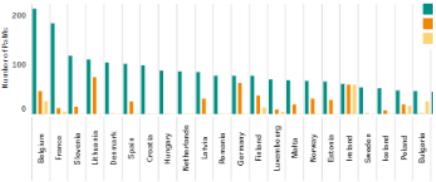


### Reported expected and achieved effects

Explore the GHG savings of PaMs where available, for both expected (ex-ante) and achieved (ex-post) are available. What is expected and what has been achieved already?



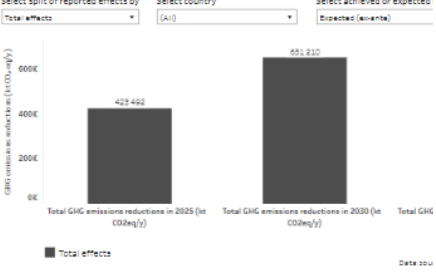
### Number of policies and measures with reported expected (ex-ante) or achieved (ex-post) emission savings



### Select to see the % of PaMs with reported expected (ex-ante) or achieved (ex-post) effects:



### Reported expected (ex-ante) or achieved (ex-post) effects of policies



### Policies and measures in detail

What type of policies, affecting which sectors have been primarily reported? Were the European Union policies driving the development of national policies? Explore these and other main characteristics of introduced national GHG policies and measures. You can filter the information by the status of implementation of a policy instrument. Clicking on a selected characteristic e.g. sector will filter the rest of figures. Click your selection again to reset the filter. In the filter below you can choose the other characteristics such as: type of implementing entity, single or grouped policies, finish date of the implementation period, etc. to view the number of PaMs.

Click on the country codes to filter the visualisations below. To return to all countries, click here: [All countries](#)

AT BE BG CH CY CZ DE DK EE ES FI FR GR HR HU IE IS IT LT LU LV MT NL NO PL PT RO SE SI SK

### Policies and measures by sector in all European countries



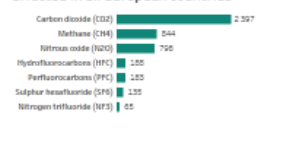
### Policies and measures by policy instrument in all European countries



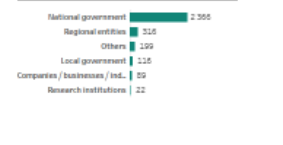
### Is the policy or measure related to Union policy?



### Policies and measures by GHG affected in all European countries



### Select characteristic



# MS shall **operate and seek to continuously improve** national systems for PaMs and projections

- Description of both parts: **projections** and **policies and measures**
- To ensure **TTACCC** \* of reported information
- Clarifies and formalize **roles and responsibilities** of different actors
- Relevant for national **policy making & policy evaluation**
- Required information is structured
  - First year-> **a full description and all elements**
  - After that-> **only changes**

\* Timeliness, transparency, accuracy, consistency, comparability, completeness





# What shall be reported on national systems

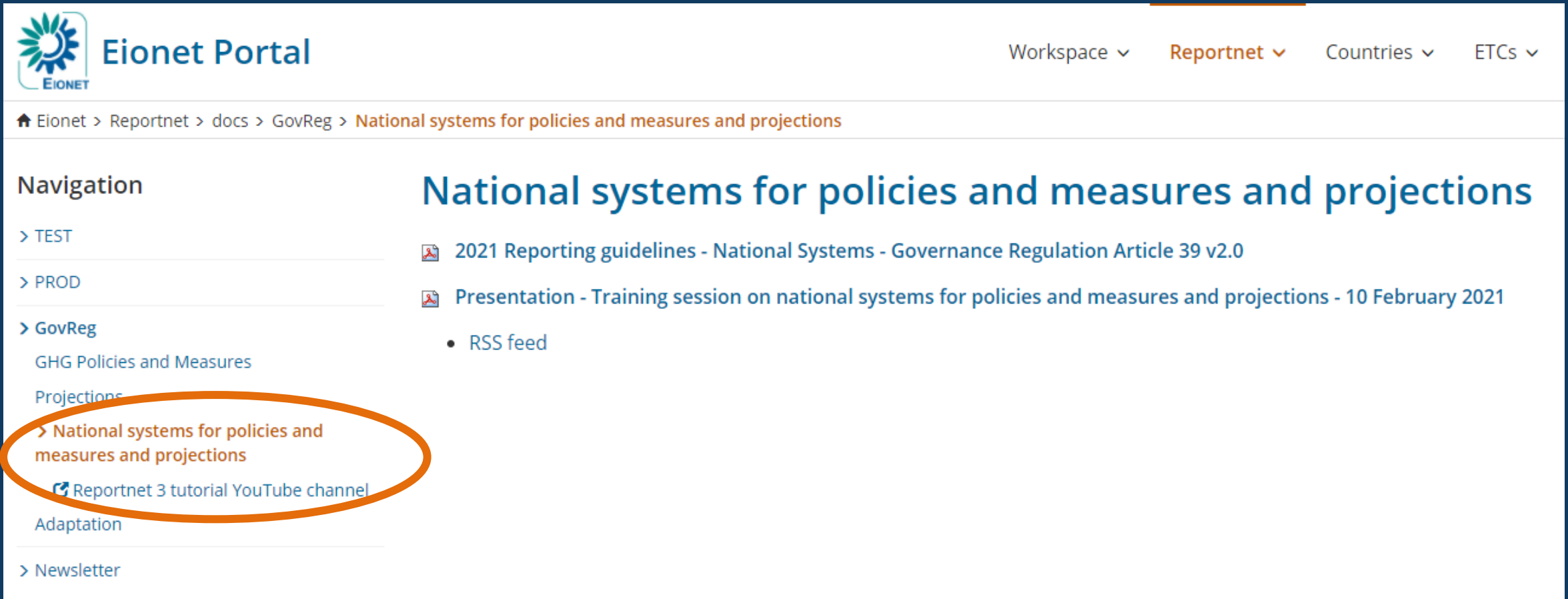
Both parts: projections but also policies and measures to be addressed


- Entities with overall responsibility;
- Institutional, procedural, legal and administrative arrangements for preparation of the reports;
- Description of the information collection process;
- Alignment with the national inventory system;
- Links to arrangements on integrated national energy and climate reports;
- QAQC activities;
- Process for selecting methods and assumptions;
- Approval of the national system;
- Stakeholder engagement.

List of  
elements  
to cover



# National Systems page on the Eionet portal, incl. link to YouTube channel





 **Eionet Portal**

Workspace ▾ Reportnet ▾ Countries ▾ ETCs ▾

🏠 Eionet > Reportnet > docs > GovReg > National systems for policies and measures and projections


## National systems for policies and measures and projections

 [2021 Reporting guidelines - National Systems - Governance Regulation Article 39 v2.0](#)

 [Presentation - Training session on national systems for policies and measures and projections - 10 February 2021](#)

- [RSS feed](#)

**Navigation**

- > TEST
- > PROD
- > GovReg
  - GHG Policies and Measures
  - Projections
    - > **National systems for policies and measures and projections**
    -  [Reportnet 3 tutorial YouTube channel](#)
  - Adaptation
- > Newsletter



# How: Webform at the Reportnet 3 platform

The screenshot shows the 'National systems' webform in the Reportnet 3.0 platform. The breadcrumb navigation at the top reads 'Reportnet 3.0 > Dataflows > Dataflow > Dataset'. The user is logged in as 'GovReg Reporter'. The form title is 'National systems Released' with the subtitle 'National systems for policies and measures and projections -'. Below the title are buttons for 'Import dataset data', 'Export dataset data', and 'Delete dataset data'. On the right, there are buttons for 'Validate', 'Show validations', 'QC Rules', 'Dashboards', 'Manage copies', and 'Refresh'. A toggle switch at the bottom right allows switching between 'Tabular data' and 'Webform'. The main form section is titled 'National System for policies and measures and projections'. It contains a text input field for 'Name and contact information for the entities with overall responsibility for the National System for policies and measures and projections\*', which is currently filled with 'Ministry of Environmental Protection and Regional Development'. Below this is an upload section with the text 'If necessary, you can upload here an additional document (max. 2 MB)' and an 'Attach file' button. At the bottom, there is another text input field for 'Institutional arrangements in place for preparation of reports on policies and measures and of projections as well as for reporting on them, including an organogram\*'. Two orange callout boxes with arrows point to the 'Attach file' button and the first text input field.

Reportnet 3.0 > Dataflows > Dataflow > Dataset

GovReg Reporter

**National systems** *Released*  
National systems for policies and measures and projections -

Import dataset data Export dataset data Delete dataset data

Validate Show validations QC Rules Dashboards Manage copies Refresh

Tabular data Webform

**National System for policies and measures and projections**

Name and contact information for the entities with overall responsibility for the National System for policies and measures and projections\*

Ministry of Environmental Protection and Regional Development

If necessary, you can upload here an additional document (max. 2 MB)

Attach file

Institutional arrangements in place for preparation of reports on policies and measures and of projections as well as for reporting on them, including an organogram\*

Provide text  
(max ca 3  
pages)

Attach file, if  
relevant



# Reported information on national systems:

(<https://climate-energy.eea.europa.eu/topics/climate-change-mitigation/national-systems/data>)

## National systems for policies and measures and projections



A national system for policies and measures and projections represents the institutional, legal and procedural arrangements in place for reporting on greenhouse gas (GHG) policies and measures and GHG projections. A stable national system with clear arrangements is critical for developing and regularly updating national GHG projections and for evaluating policy instruments aiming to reduce GHG emissions.

This dashboard shows national information on 12 elements of national systems, including responsible entity, institutional, legal, procedural and administrative arrangements in place, description of the data collection process and the process to ensure the data quality. Multiple elements and countries can be selected. First, click on the country code(s), second, using the drop down menu select the element(s) you want to see. At the bottom, you can download PDF(s) for each country.

Click on country code(s) to show in table:

BG CH CY CZ DK EE ES FI FR GR HR HU IE IS IT LT LU LV MT NL NO PL PT RO SE SI SK

Austria



Belgium



Select element(s) of national system:

Name and contact information for the entities with overall responsibility for the National System

- (All)
- Name and contact information for the entities with overall responsibility for the National System
- Institutional arrangements in place for preparation and submitting of reports on policies and measures and projections
- Legal arrangements in place for preparation of reports on policies and measures and of projections
- Procedural and administrative arrangements and timescales in place for the preparation of reports on policies and measures and of projections, to ensure the timeliness, transpa...
- Information collection process
- Alignment with the national inventory system
- Links to arrangements on integrated national energy and climate reports pursuant to Art. 17 of Regulation (EU) 2018/1999
- Quality assurance and quality control activities for reporting of policies and measures and projections
- Process for selecting assumptions, methodologies and models for making projections of anthropogenic greenhouse gas emissions
- Procedures for the official consideration and approval of the Member States national system for policies and measures and projections
- Relevant institutional administrative and procedural arrangements for domestic implementation of the EU's nationally determined contribution
- Stakeholder engagement undertaken in relation to the preparation of policies and measures and projections

## PDF

Click to download full description of national system(s)

<a href="#">Austria</a>	<a href="#">Belgium</a>	<a href="#">Bulgaria</a>
<a href="#">Croatia</a>	<a href="#">Cyprus</a>	<a href="#">Czechia</a>
<a href="#">Denmark</a>	<a href="#">Estonia</a>	<a href="#">Finland</a>
<a href="#">France</a>	<a href="#">Germany</a>	<a href="#">Greece</a>
<a href="#">Hungary</a>	<a href="#">Iceland</a>	<a href="#">Italy</a>
<a href="#">Ireland</a>	<a href="#">Latvia</a>	<a href="#">Lithuania</a>
<a href="#">Luxembourg</a>	<a href="#">Malta</a>	<a href="#">Netherlands</a>
<a href="#">Norway</a>	<a href="#">Poland</a>	<a href="#">Portugal</a>
<a href="#">Romania</a>	<a href="#">Slovakia</a>	<a href="#">Slovenia</a>
<a href="#">Spain</a>	<a href="#">Sweden</a>	<a href="#">Switzerland</a>



- Transparent reporting on GHG policies and measures supports further climate action
- Similar challenges for EU MS (resources, data, governance, inter-ministerial communication, policy effects, etc.)
- Importance of robust national system
- Supporting materials available
- Support to reporting under other obligations (UNFCCC)



# Thank you !

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- **European Environment Agency**  
(<http://www.eea.europa.eu/>)

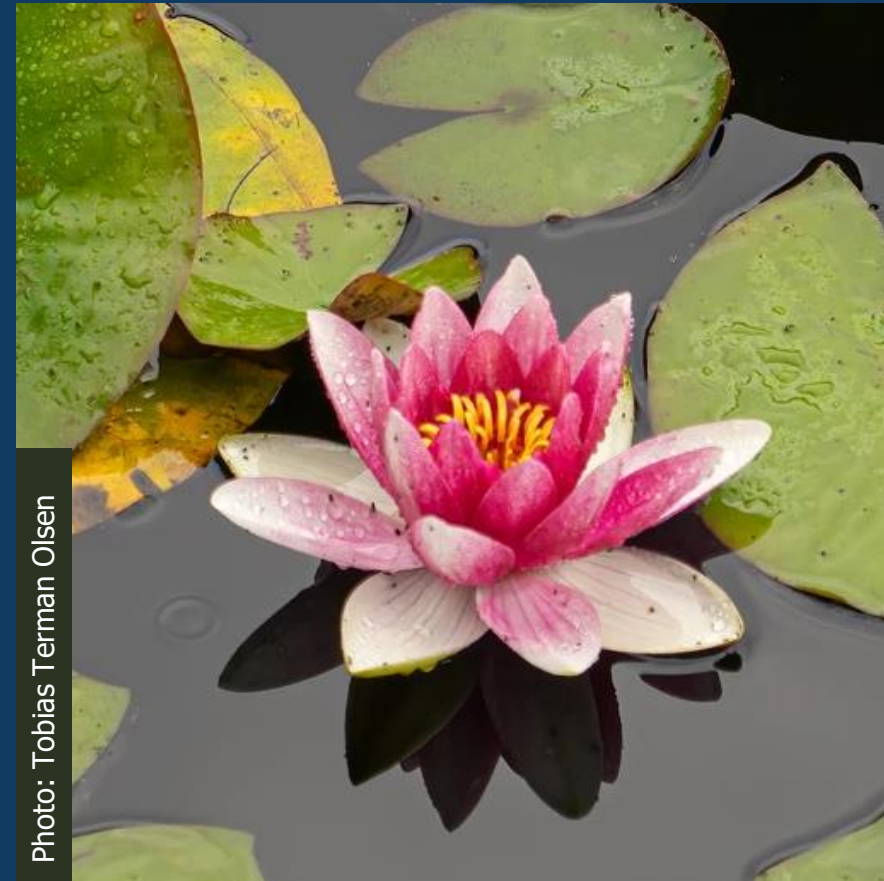


Photo: Tobias Terman Olsen