

DECARBONISATION:
SUPPORTING
STAKEHOLDERS IN THE
GREEN ENERGY
TRANSITION

13 October 2022



Who are we?

- An organisation of the Government of Malta tasked with **formulating and implementing Government's national policies in the energy and water sectors**, aimed at ensuring security, sustainability and affordability of energy and water in Malta.

**THE
ENERGY
& WATER
AGENCY**



CEO's Office

Energy



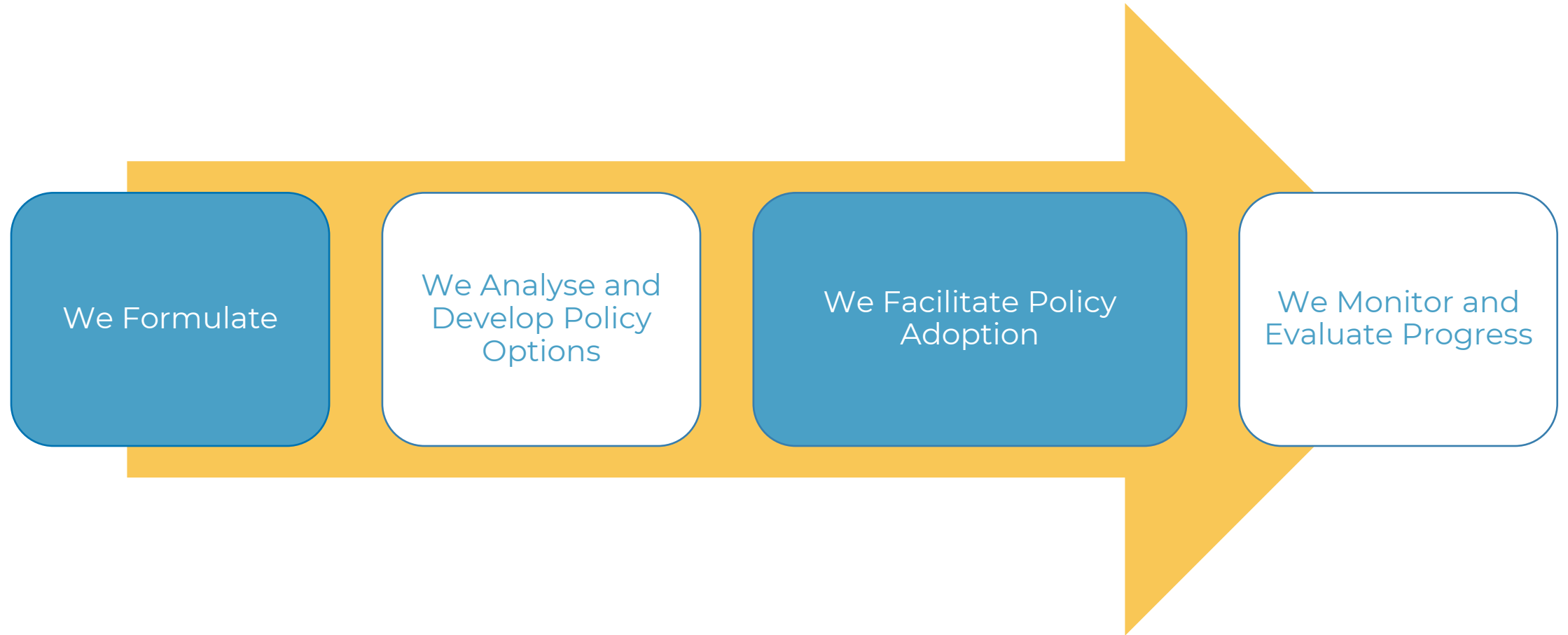
Water

Corporate



Stakeholder
Support

The Agency's Role in Policy Making



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Energy in Malta

MALTA'S SOCIO-ECONOMIC CONTEXT

Population

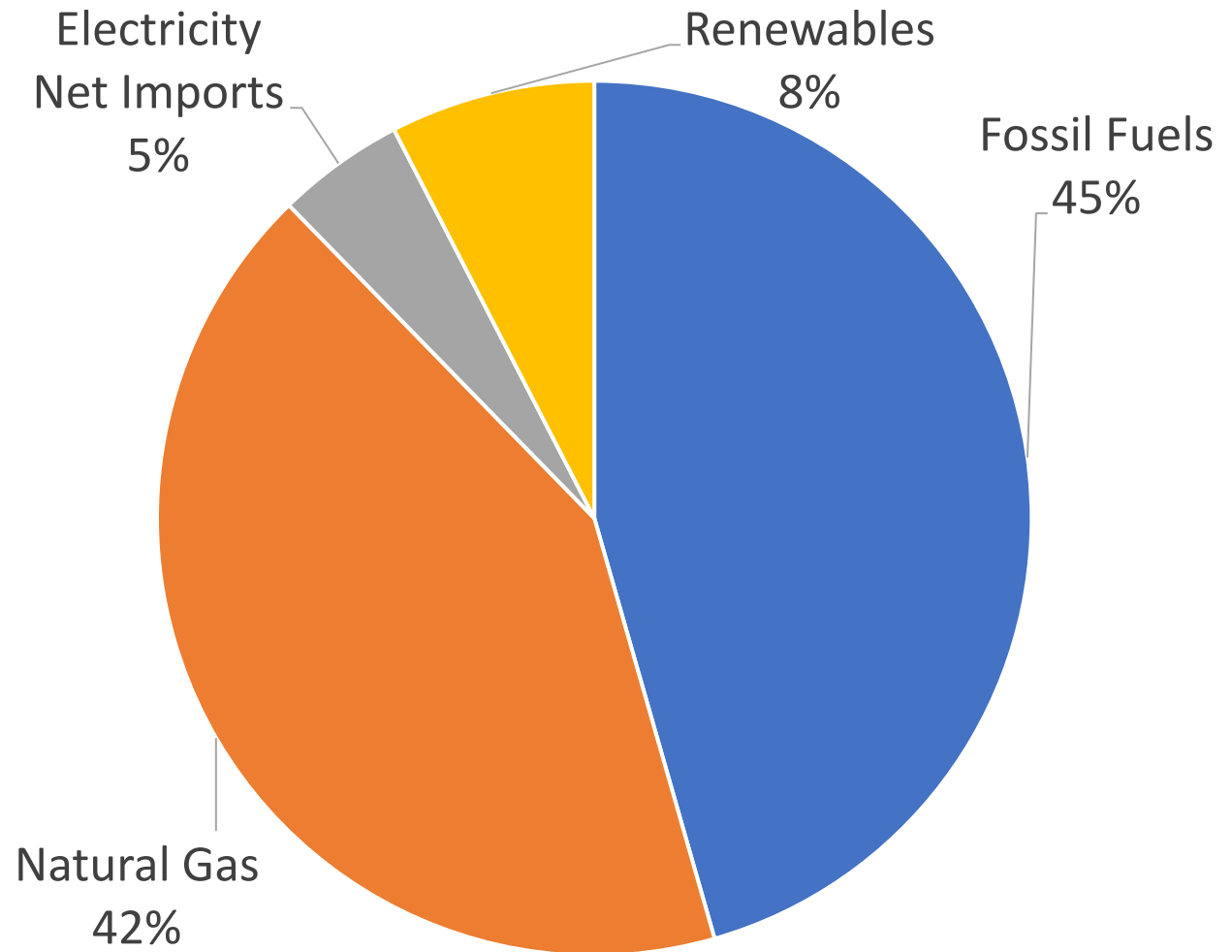
- Around 520k people live in Malta, with an estimated increase of around 10k inhabitants every year since 2011. Malta has the **highest population density in the EU**.

GDP Growth

- Malta has gone through a period of **high annual economic growth**, which peaked in 2017.
- Provisional estimates for 2021 indicate that in volume terms, GDP rose by 9.4%, following a drop of 8.3% in 2020.

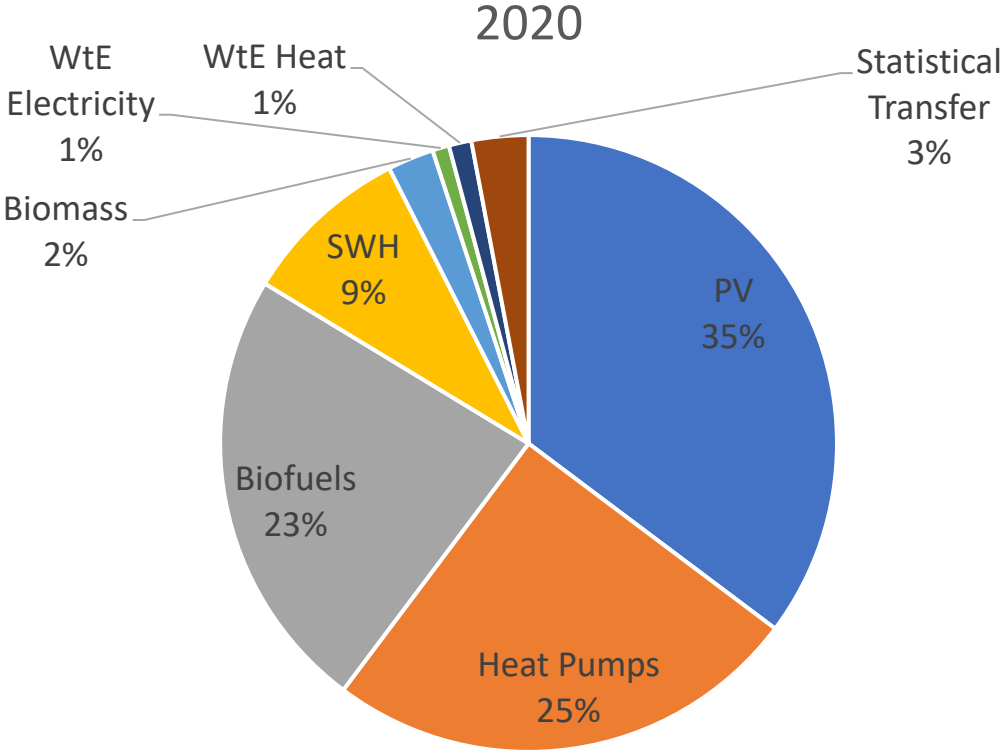
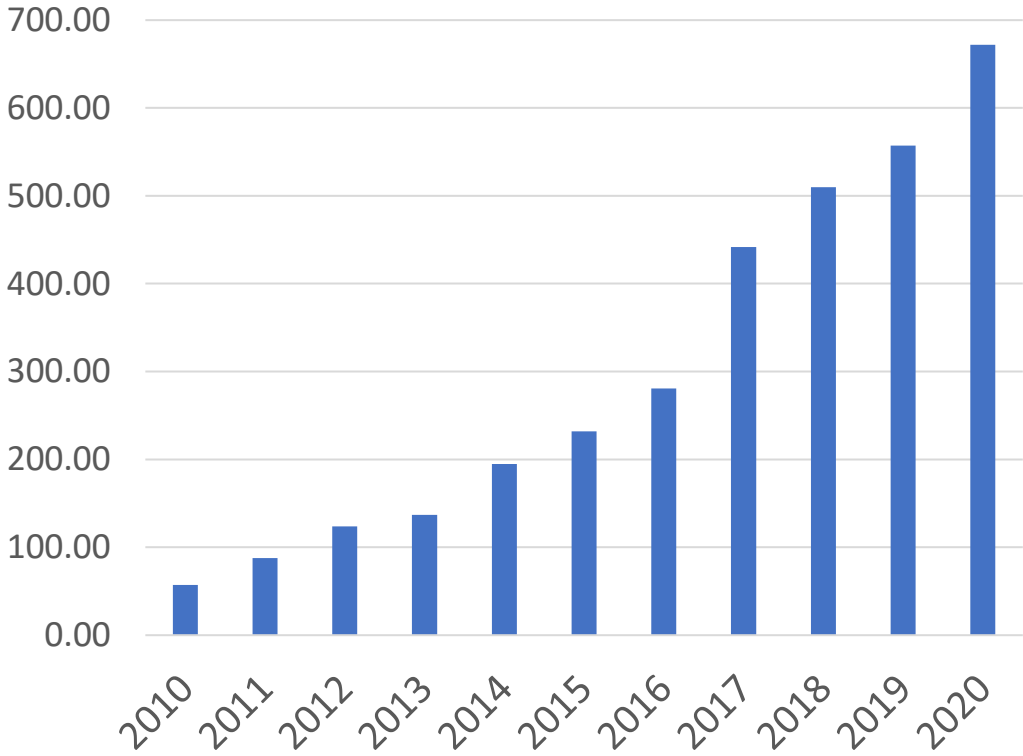


Where does
Malta's energy
come from?



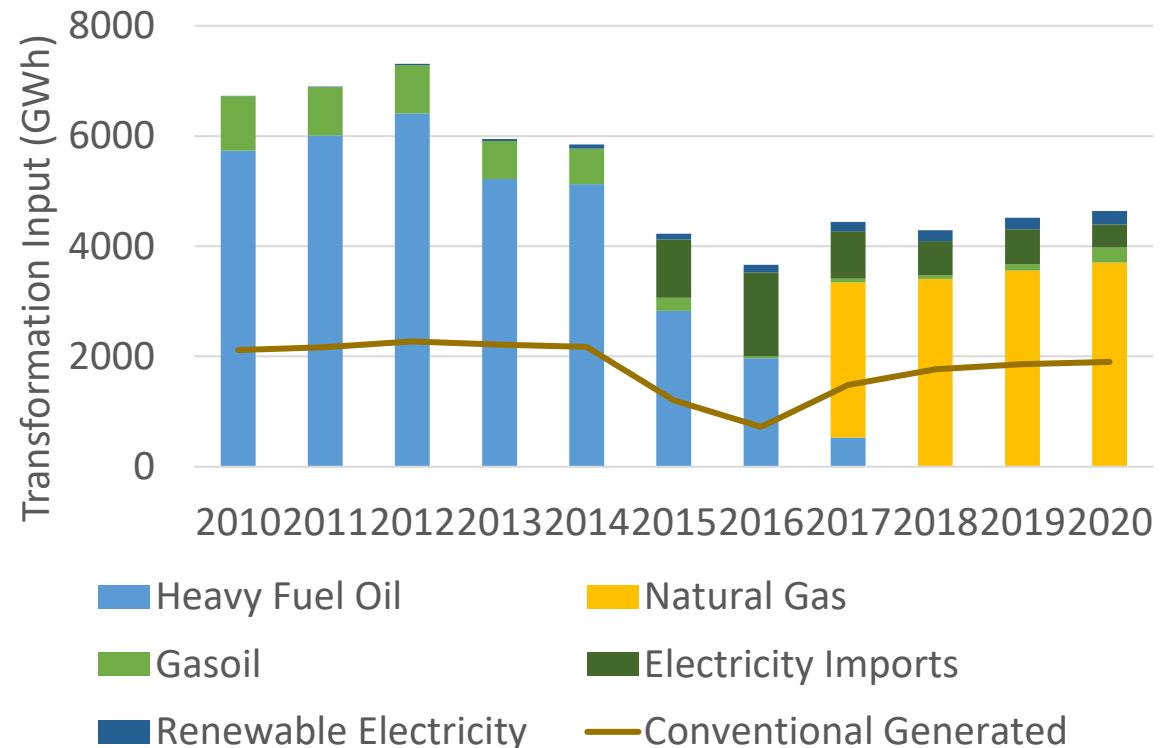
RENEWABLE ENERGY PROGRESS IN MALTA

Total Renewable Energy (GWh)



IMPROVED ENERGY EFFICIENT GENERATION

- Electricity generation was heavily fossil fuel dependent (HFO and Gasoil) in 2010.
- In 2015, Malta commissioned an electricity interconnector between Malta and Sicily.
- In 2017, Malta commissioned a natural gas power plant, enabling a shift towards cleaner fuels.
- Conventional electricity generation improved from 31% in 2010 to 48% in 2020.



WHAT GUIDES MALTA'S GREEN ENERGY TRANSITION?

- The National Energy Efficiency Action Plan for 2020
 - published in 2014 and 2017
- The National Renewable Energy Action Plan for 2020
 - published in 2017
- The National Energy and Climate Plan 2021-2030
 - published in 2019
- The National Strategy for R&I in Energy and Water 2021-2030
 - Published in 2020

The Agency led the development of the above strategies and plans. These plans delineate energy policy in the Maltese Islands.

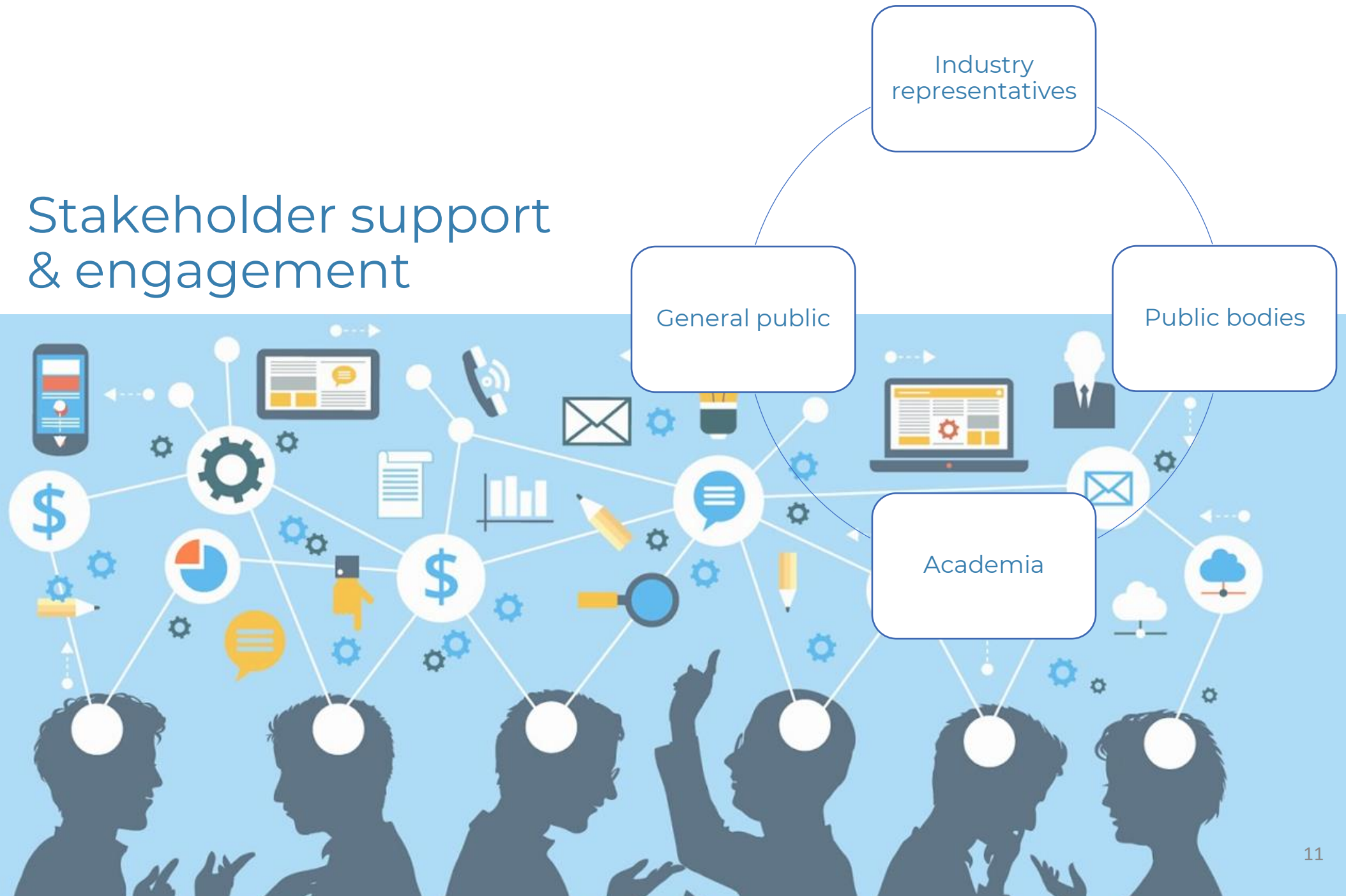
- **The Agency is currently in the process of updating Malta's NECP.**



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Initiatives

Stakeholder support & engagement



EDUCATION



GHAJN is the National Water Conservation and Awareness Centre. All **educational activities** held at the centre are based on principles of Sustainable Development.

The Agency also offers **free online sustainability courses** targeted towards employees from the corporate sector, tackling energy, water and waste solutions.

Household & Micro SME Visits

recognised as
a **Good Practice**
by Interreg Europe



Interreg
Europe



Co-funded by
the European Union



- The Agency provides an ongoing service in **households** through home visits carried out **free of charge**.
- The service has recently been extended to **micro-SMEs** who can also apply to get feedback on their consumption.
- The aim of these visits is to **share knowledge** with residents/business owners on how to lower their energy and water bills through the implementation of small everyday changes with regards to energy efficiency and water conservation.
- An extension of this programme targets **vulnerable households** where we replace old and inefficient appliances and share useful tips on how to save energy and water as a household.

ENERGY EFFICIENCY INVESTMENT SCHEME

- The Energy and Water Agency has teamed up with Malta Enterprise in order to improve the Investment Aid scheme for Energy Efficiency Projects with the aim of supporting further enterprises in projects related to energy efficiency.
- The aid awarded through this scheme shall be in the form of a cash grant or a tax credit (which can be utilised against tax payable by the beneficiary) or a combination of both.



PROMOTION OF ENERGY AUDITS IN SMEs

SMEs are an essential element in the country that sustains the green energy transition. They are at the core of targeted policy which drives towards increased energy efficiency.

Energy Auditing is considered an essential step for an enterprise in becoming more efficient.

The Agency manages a scheme that promotes Energy Audits within SMEs.





The project aims to improve effective policies for SMEs to undergo energy audits and implement cost-effective, recommended energy-saving measures through identifying the barriers for unlocking energy efficiency measures, mobilising private stakeholders, and proposing effective solutions to realise both energy and non-energy benefits.



The WE MAKE project aims to improve engagement in the business community. The goal is to have more constructive conversations on energy and water conservation to encourage more businesses to implement energy and water efficiency-related projects.



This is a pilot project focusing on small and medium retail establishments that sell food and beverages. The project aims to support corner shops, convenience stores and mini/super-markets to identify and carry out improvements that will lead to more sustainable operations. This will be achieved through the analysis of consumption data.

Support Scheme for Research and Innovation Projects in the Fields of Energy and Water

- The Agency runs a Research and Innovation in Energy and Water Grant Scheme.
- This is one of the actions taken under the R&I Strategy for Energy and Water.
- The third call of the scheme closed earlier this year.

Water efficient
agricultural systems

Enhancing industrial
drainage water
quality to improve
water use efficiency

Industrial heat
recovery and/or
spatial cooling
systems

PV and battery
storage integration



MICIE

Mediterranean Island Cleantech
Innovation Ecosystem



Funded by
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AIM

To strengthen the contribution of R&I in achieving the climate & energy targets of Cyprus and Malta, as defined in their National Energy & Climate Plans.

STUDY

Study what innovators countries have done

Identify and map all relevant stakeholders and actors

To devise the methodology/tools for the co-creation process

STAKEHOLDER
ENGAGEMENT

Identify a series of actors and stakeholders

Co-design an accepted vision of the future and set a list of possible pathways to reach this desired aim.

ACTION PLAN

Create an “action plan template” including a step-by-step guide on how other regions can also create their own ecosystems

A detailed action plan for Cyprus and Malta.



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