

Principality of Monaco

# Multilateral Assessment

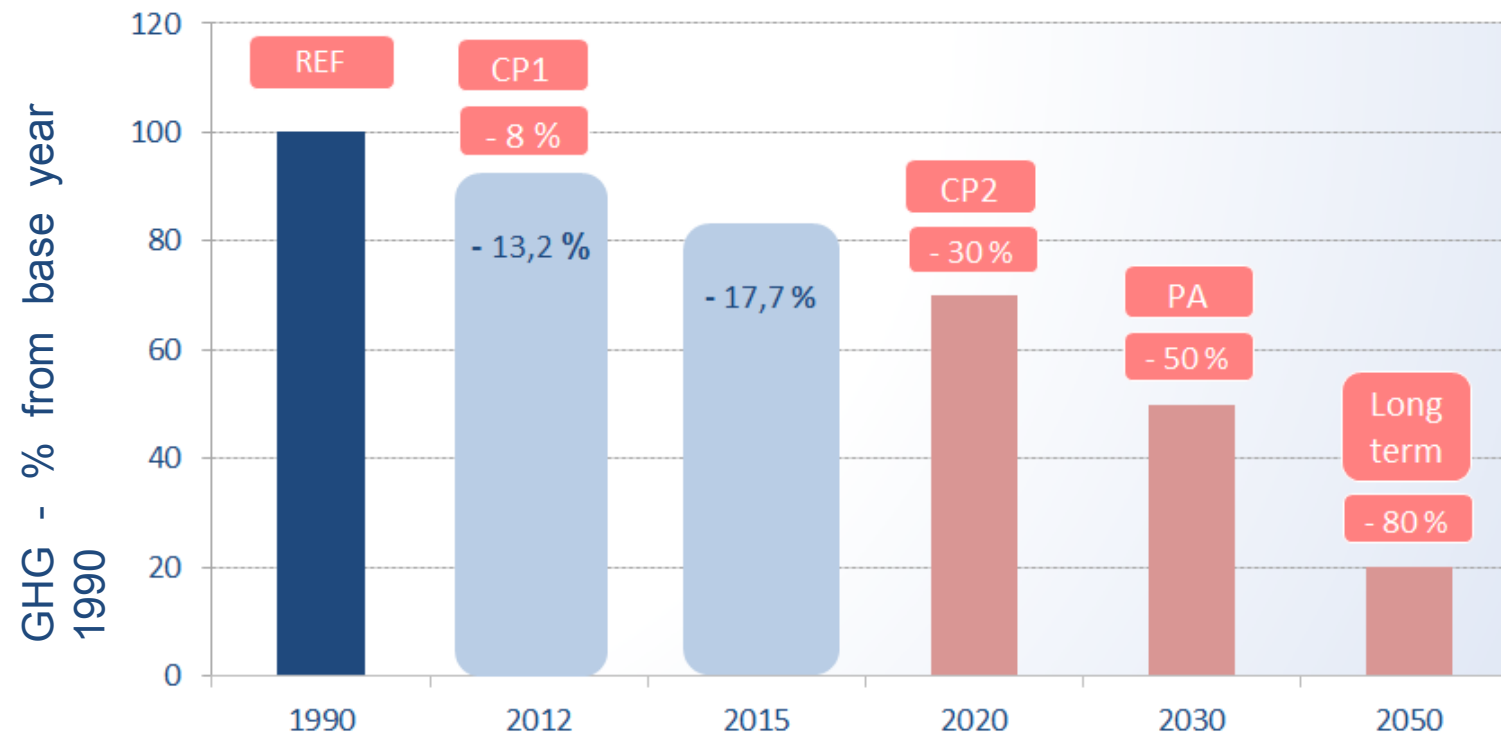
United Nations Framework Convention on Climate Change  
SBI46 - May 2017

# Monaco - National circumstances

- City state of 2 km<sup>2</sup>
- Population of around 37 750 inhabitants in 2016 (18 875 inhabitants/km<sup>2</sup>)
- Economic center : 53 000 employees
- 2015 GDP was 5,64 Billions euros
- Net importer of Energy



# Monaco - Climate commitments



# Monaco - Climate and energy targets

**In addition to its climate commitments, Monaco is also committed to the following energy 2020 targets:**

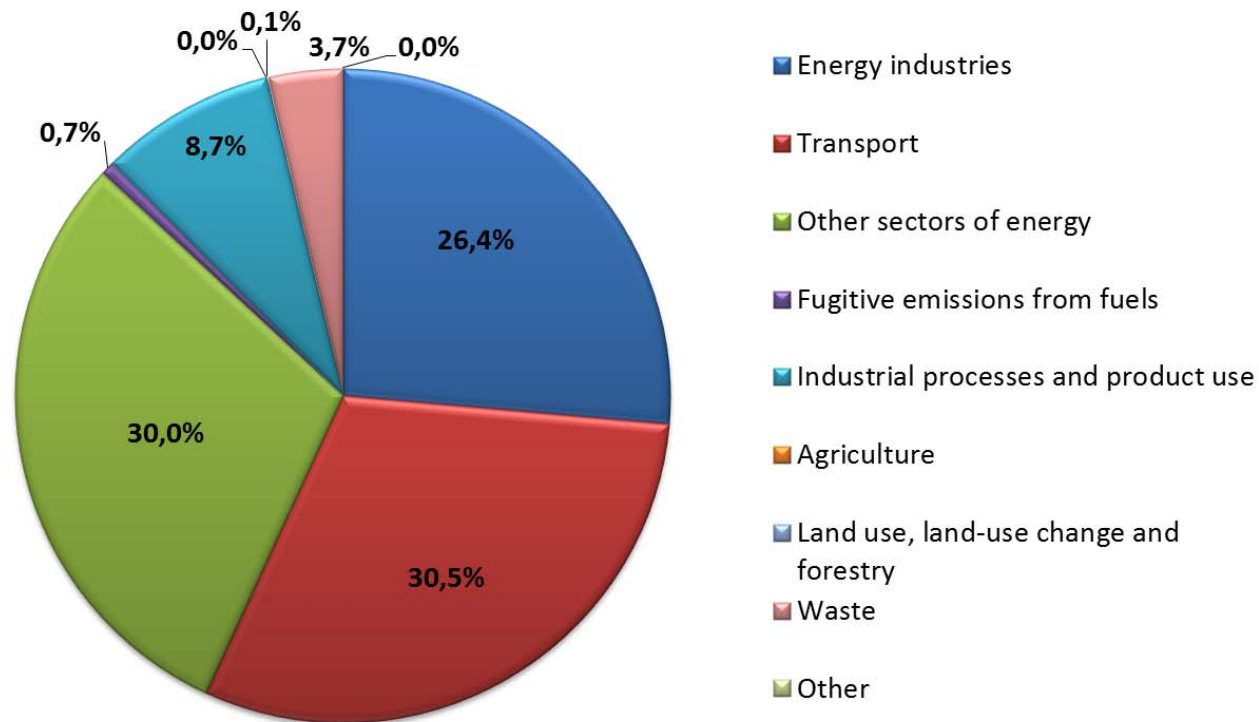
- 20 % increase in energy efficiency in buildings
- Consumption of 20 % of final energy produced from renewable sources

**In order to achieve its objectives, Monaco implements an energy and climate actions plan.**

**This plan will be updated to reach the 2030 target and a low carbon strategy plan will be defined in 2017-2018**

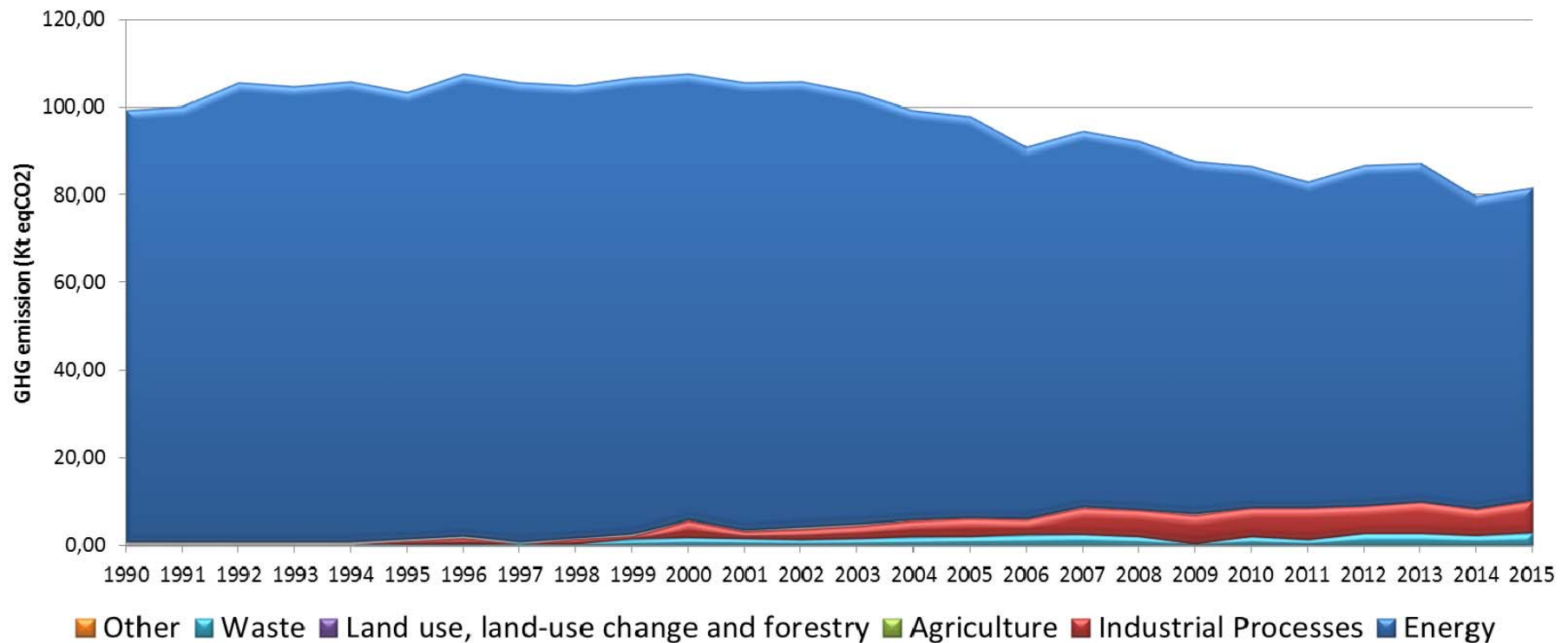
# Monaco - Categories of GHG emissions

- Energy is the main sector of GHG emissions
- The main part of emissions in the industry sector, due to F-Gas use in mobile and stationary air conditioning



# Monaco - Evolution of overall GHG emissions

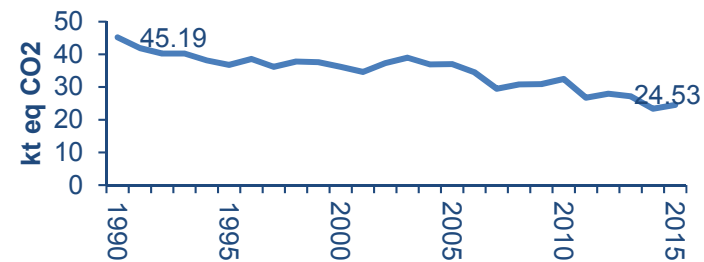
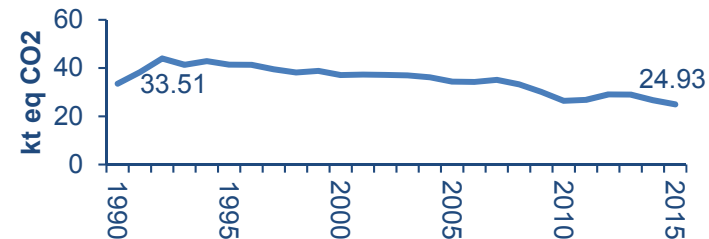
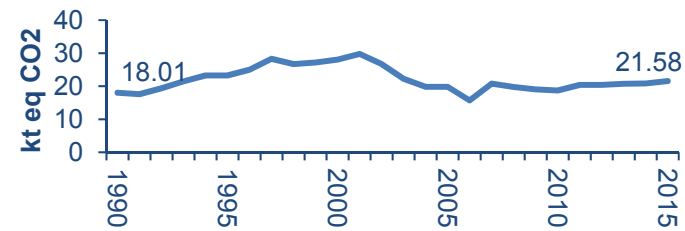
- Emissions peaks observed in 2000
- Gradual decrease of the energy sector emissions since 2000
- Increase of the industrial sector emissions (F-Gas)



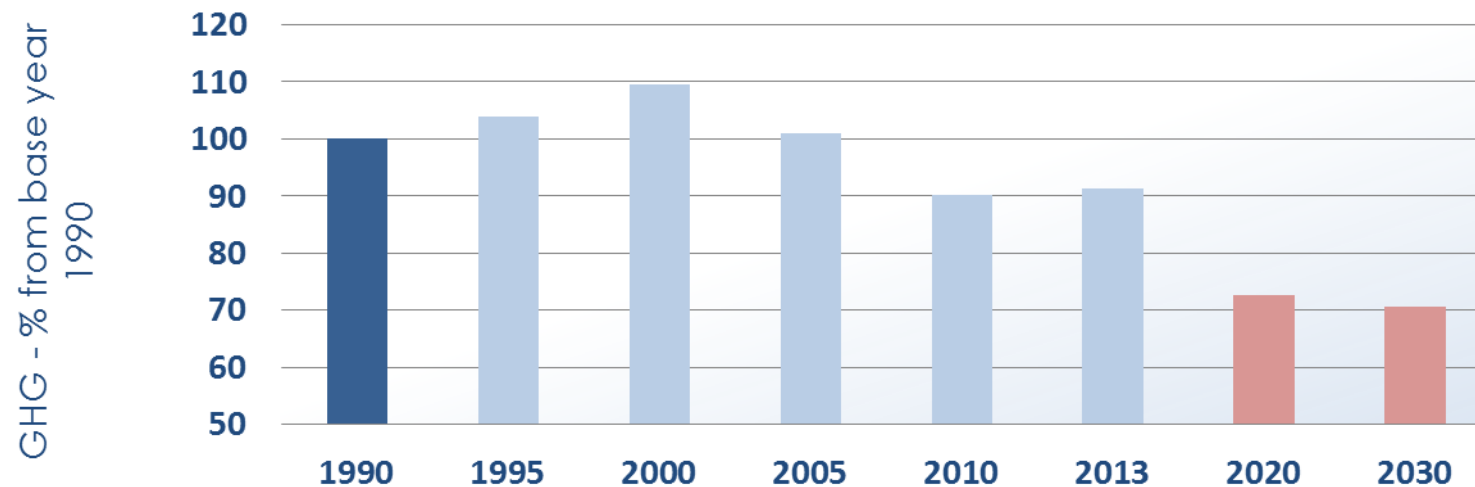
# Monaco – Results in emissions reductions

## Monaco Policies and Measures that deliver the main results in GHG emissions reduction

- Limitation of waste amount in energy production from the waste to energy facility
- Urban renewal and banning of domestic fuel boilers in new buildings
- Clean mobility policy



# Monaco – GHG projections



- According to BR2 projections, meeting the target of -30% in 2020 and -50% in 2030 will not be ensured, according to WM scenario
- Additional measures have been planned recently – Projected effects will be provided in NC7.
- Monaco intends to achieve its emissions reduction target by implementing domestic measures - The use of market mechanism is not excluded for compliance.



# Monaco - Additional measures

**Additional measures are implemented in order to achieve QEWERT and NDC GHG mitigation targets**

## **Waste Management**

- Wastes disposal plan to establish a framework on waste management by 2030  
(Prevention of waste production - Wastes sorting and plastic recycling)
- Wastes regulation (General regulation, specific regulation on plastic bag)
- Reduction of incinerated waste
- Renewal of the waste treatment facility focused on environment impact and in integration of new technologies

## **Transport**

- Promotion of clean vehicles - Soft mobility
- Development of public transport infrastructures  
(logistics hub, multipurpose commuter parking, specific lanes transportation)
- Enforcement of interoperability

# Monaco - Additional measures

**Additional measures are implemented in order to achieve QEWERT and NDC GHG mitigation targets**

## **Energy transition in buildings**

- Prohibition on using domestic fuel in buildings by 2022
- Extension and development of district heating-cooling networks
- Enforcement of energy performance regulation for new constructions and renovations
- Subsidy for high efficiency double-glazed windows
- Obligation to achieve energy audit in apartments and buildings
- Energy efficiency program based on NIALM analysis for major consumers
- Development of solar energy (feed-in tariffs, solar electricity potential map)

## **Industry**

- Regulation on fluorinated gas

# Monaco - Additional measures

**Within the Paris Agreement momentum - Development and reinforcement of capacity for implementation**

## **Energy Transition Department**

- Establishment of a dedicated Department to develop financial incentive mechanisms and investments on renewable energy issue

## **Air Energy Climate Plan update**

- Planning of actions and assessment of the effects of energy transition in the building sector and in economic activities – 2030 – including energy strategy plan for decarbonation, renewables enforcement and adaptation

## **Quality management**

- Quality management and certification system of the national actions plan

# Monaco - Multilateral Assessment

Thank you for your attention

