

# CLIMATE CHANGE MITIGATION & ADAPTATION NATIONAL PLANS

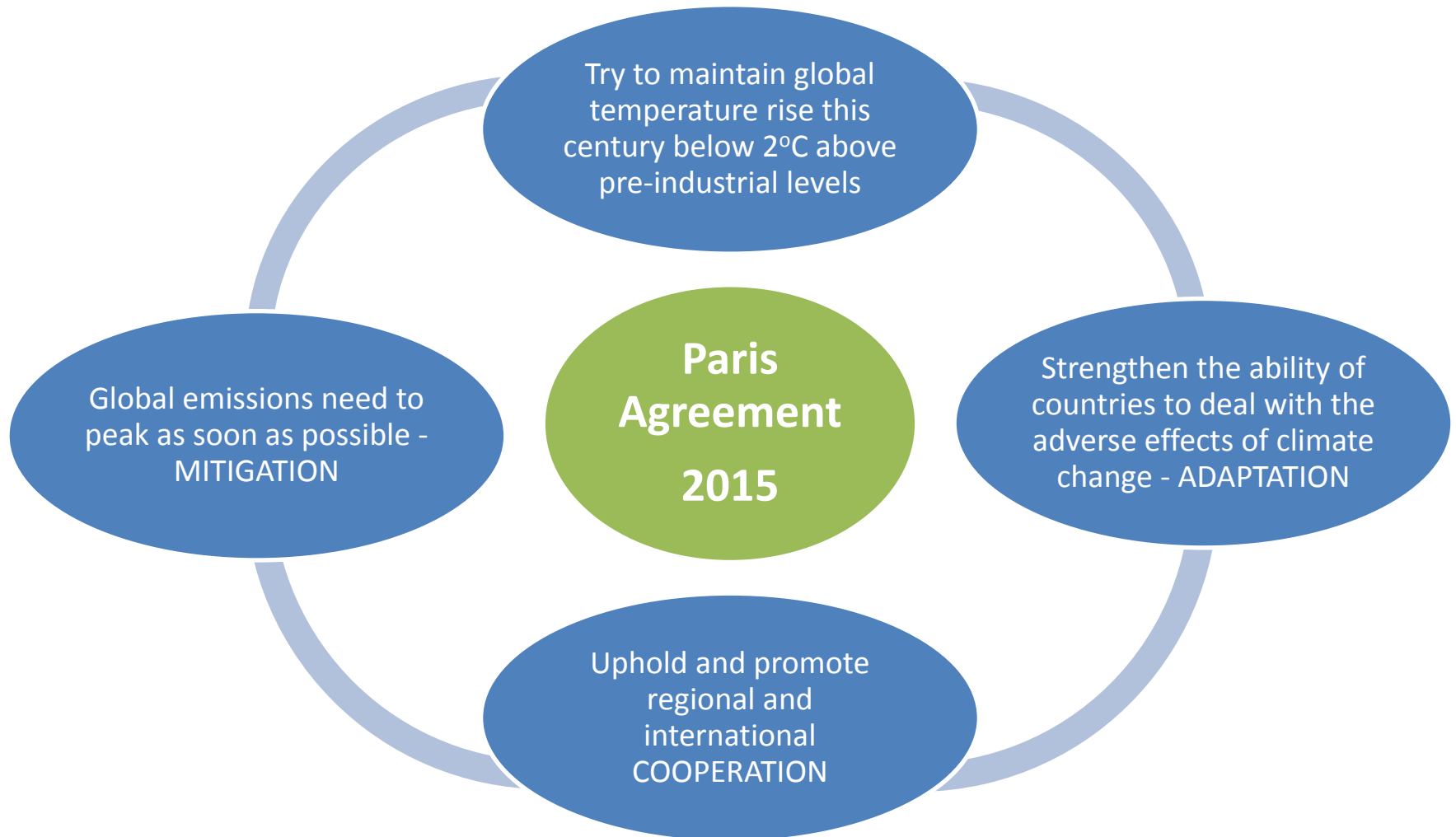
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Ministry of Agriculture, Rural Development and Environment

# The Paris Agreement

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## and Climate Adaptation and Mitigation



Mitigation

# The Paris Agreement

## Mitigation | European Union

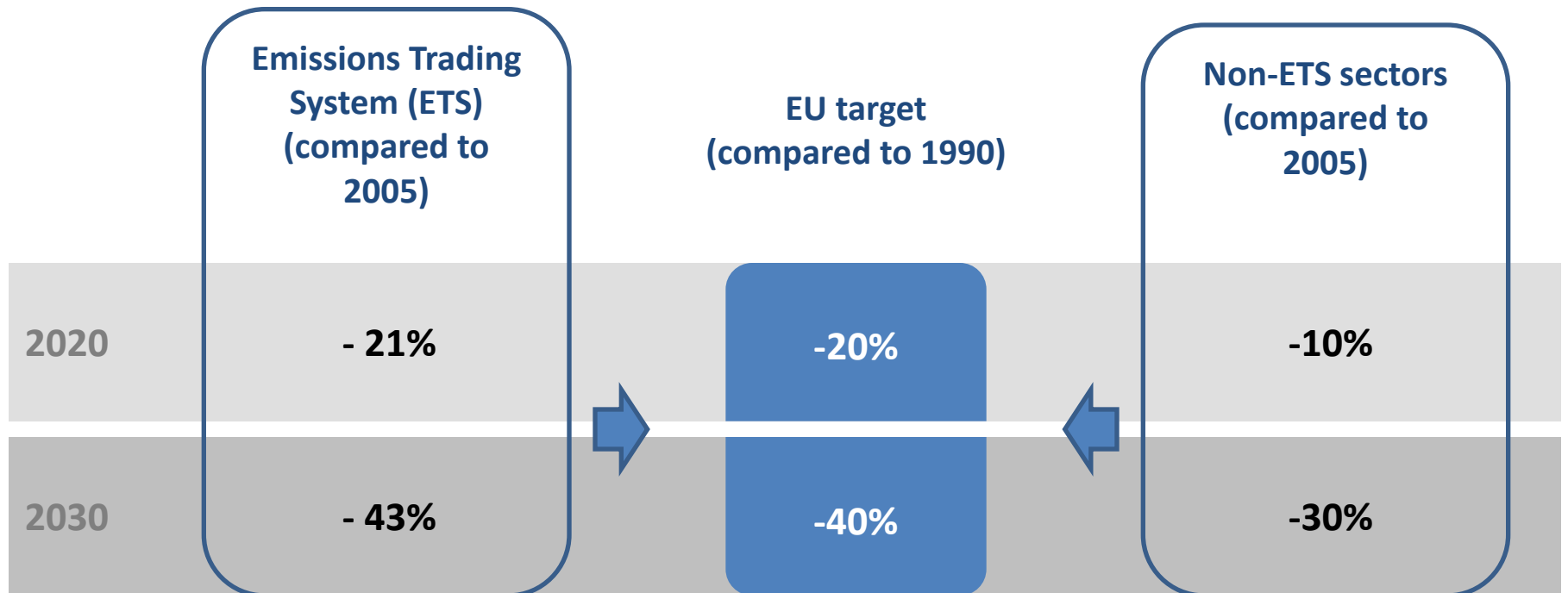
EU has been at the forefront of international efforts towards a global climate deal

EU was the first major economy submitted its intended contribution to the new agreement in 2015

EU Target is to reduce its emissions by at least 40% by 2030

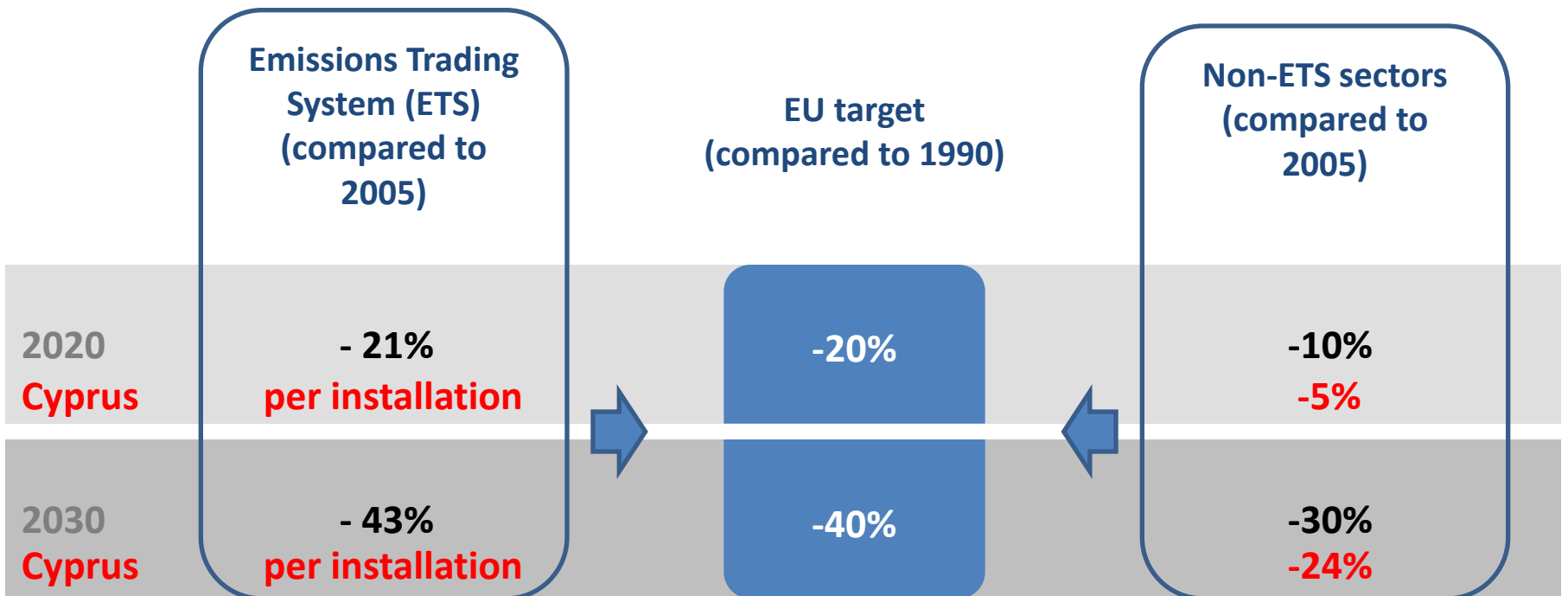
# The Paris Agreement

## Mitigation | European Union



# The Paris Agreement

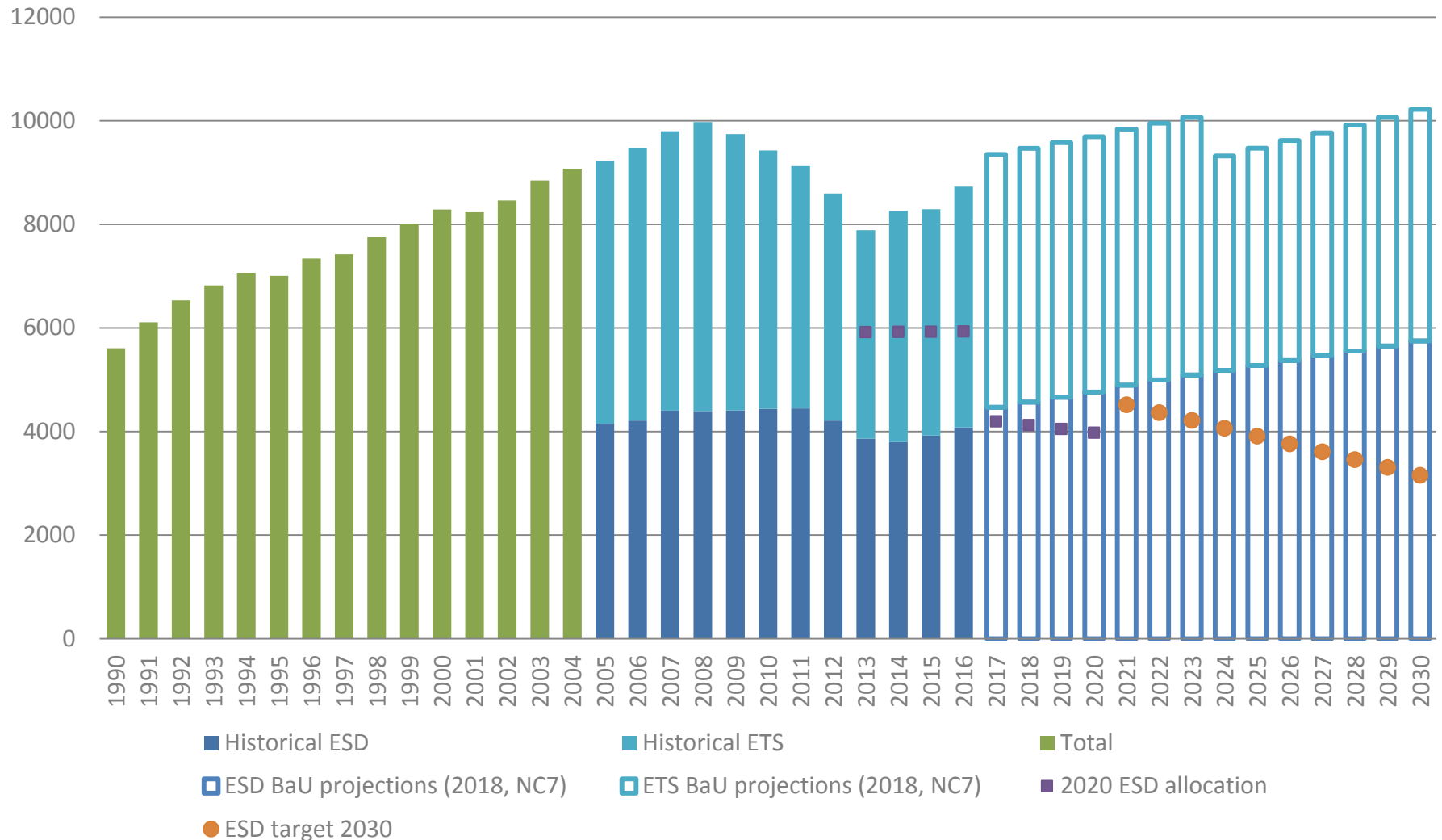
## Mitigation | European Union | National Targets



# The Paris Agreement

## Mitigation | Projections & National Targets

using BaU projections





# Mitigation

## Current National Policies & Measures

### Energy

- Natural Gas
- RES in electricity, heating & cooling
- EE in industry, new buildings
- Buildings energy upgrade
- Residential solar panels replacement
- Promotion of biomass and alternative fuels in industry

### Transport

- Biofuels
- Infrastructure
- New technologies and other measures
- RES

### Industry

- Proper F-gases Recovery

### Agriculture

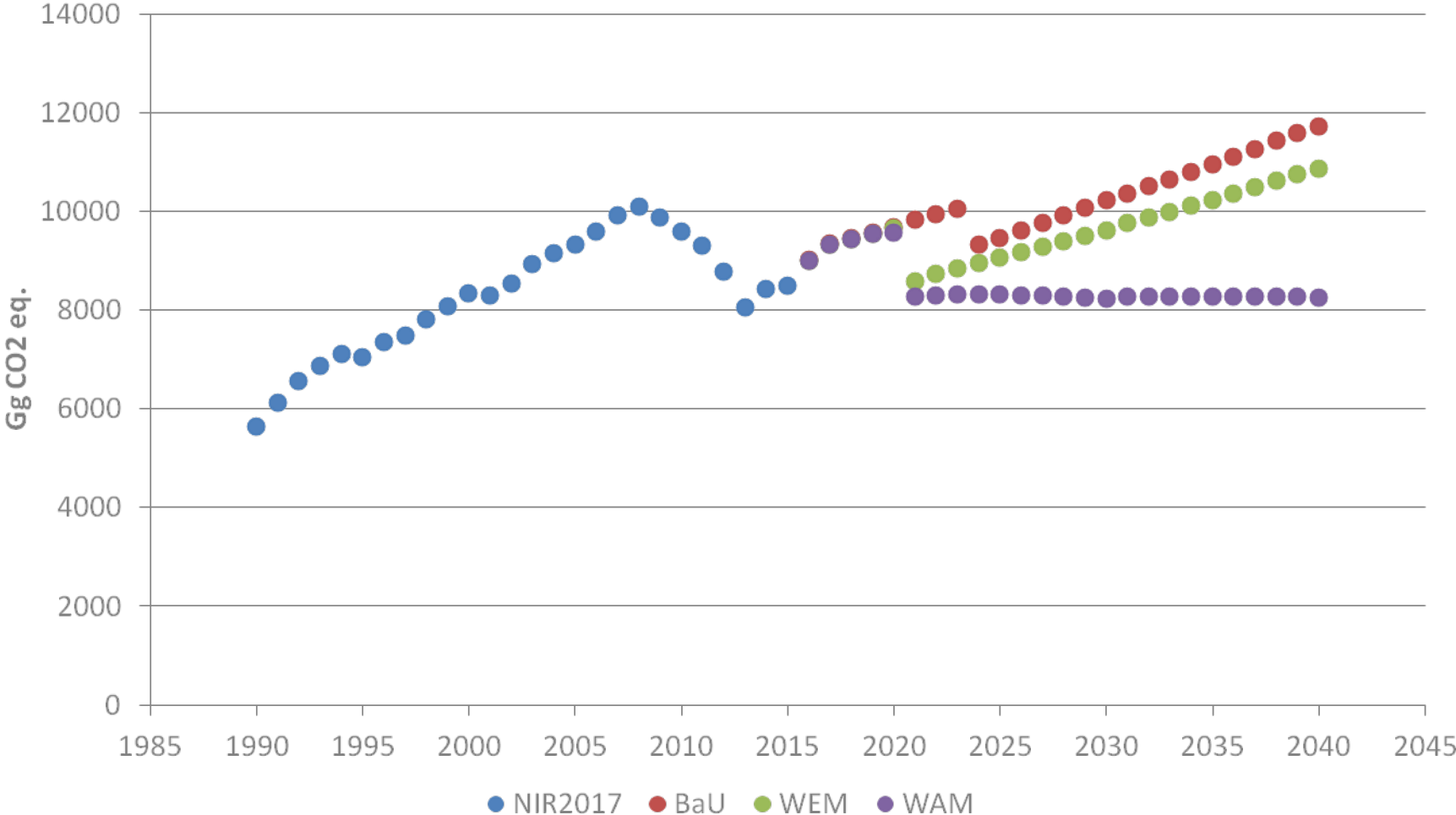
- Promotion of anaerobic digestion for treatment of animal waste

### Waste

- Sorting
- Landfilling
- Composting
- Anaerobic digestion
- Biogas recovery

# Mitigation

## Projections



# Mitigation

## National Plan 2021-2030

New Regulation on governance currently in final steps of negotiations at EU level

Requires Member States to setup the necessary national system in order to prepare and implement a national plan that includes all climate change and energy planning

**The only goal of the National Plan is to design a strategy to reach the national 2030 emission reduction target**

The Plan should cover the five dimensions of the Energy Union:

1. Security, solidarity and trust

2. A fully-integrated internal energy market

3. Energy Efficiency

4. Climate action – decarbonising the economy

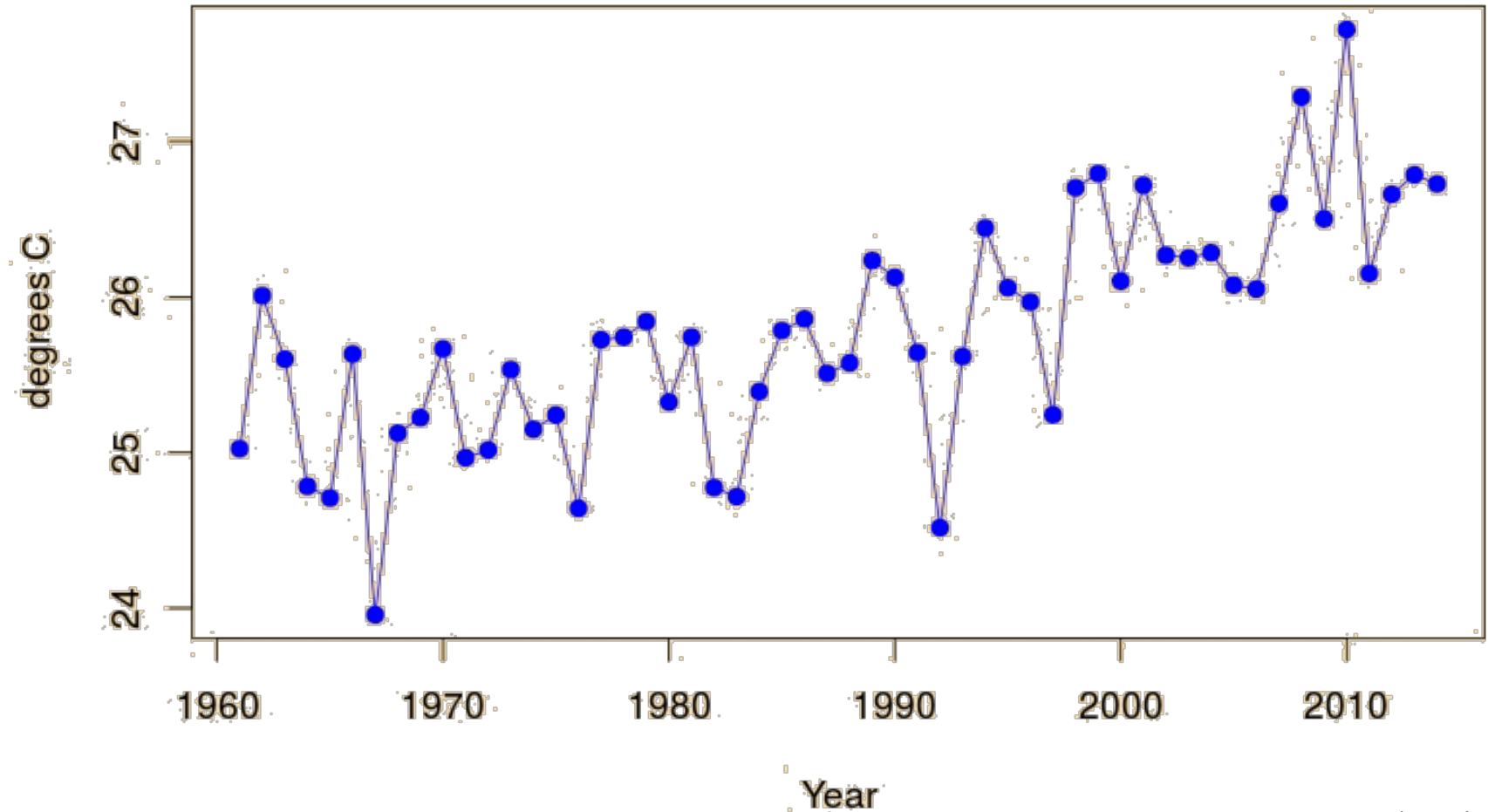
5. Research, innovation and competitiveness

Adaptation

# Adaptation

## Impacts of Climate Change in Cyprus

1961-2015 annual temperature - Nicosia

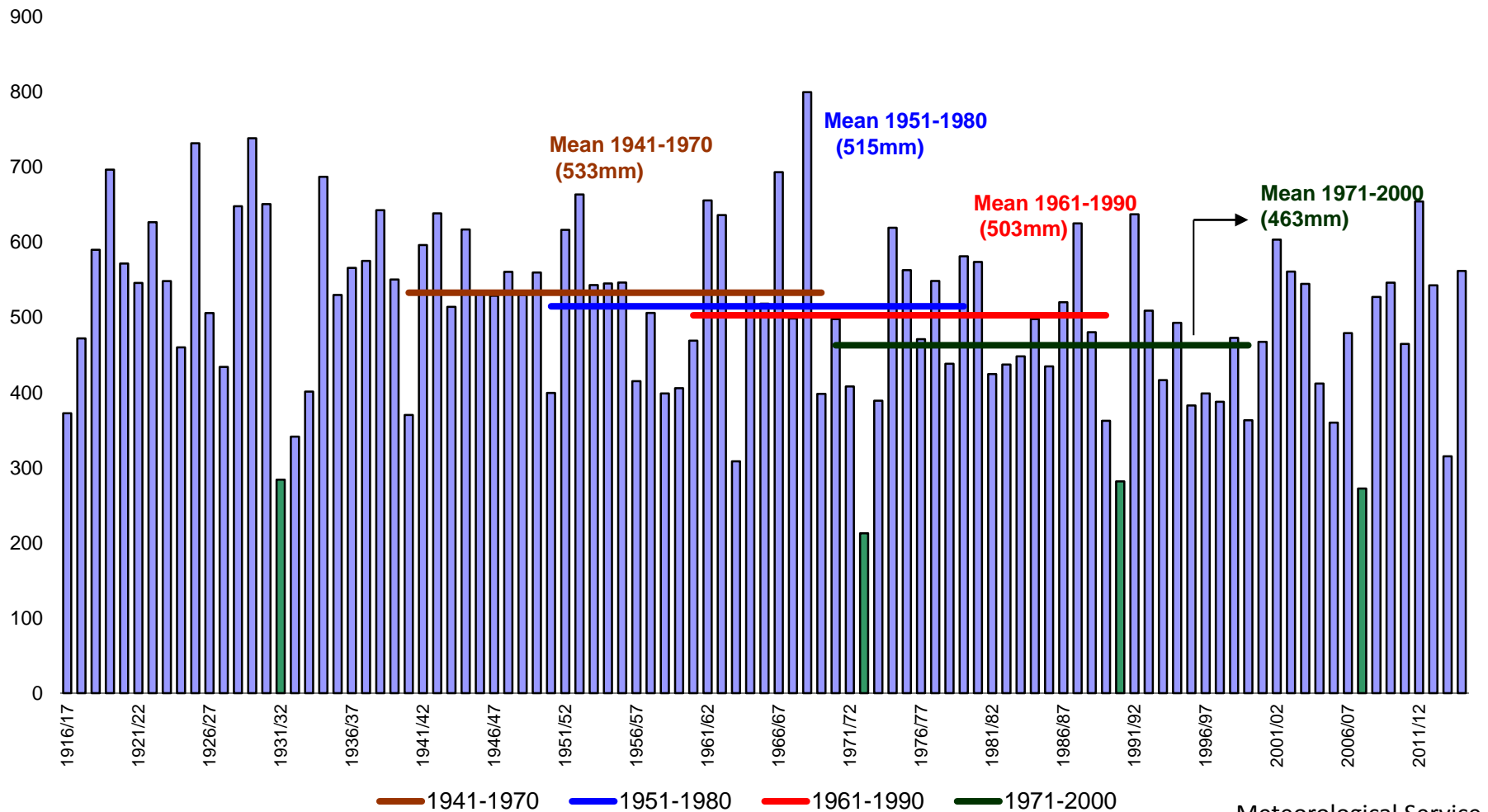


Meteorological Service

# Adaptation

## Impacts of Climate Change in Cyprus

### 1916-2015 Annual area average precipitation (mm)

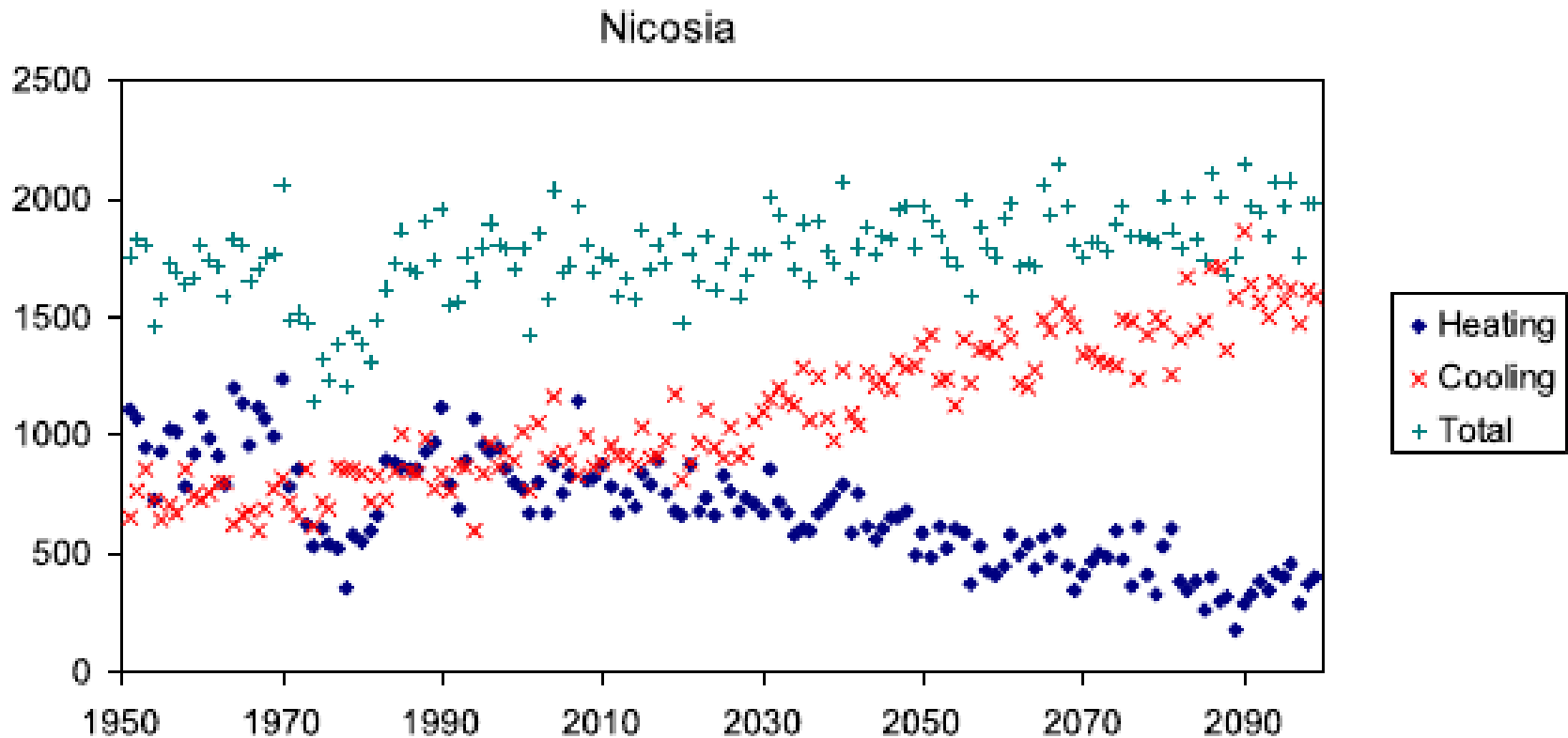


Meteorological Service

# Adaptation

## Impacts of Climate Change in Cyprus

**ENERGY:** Increase in total power needs

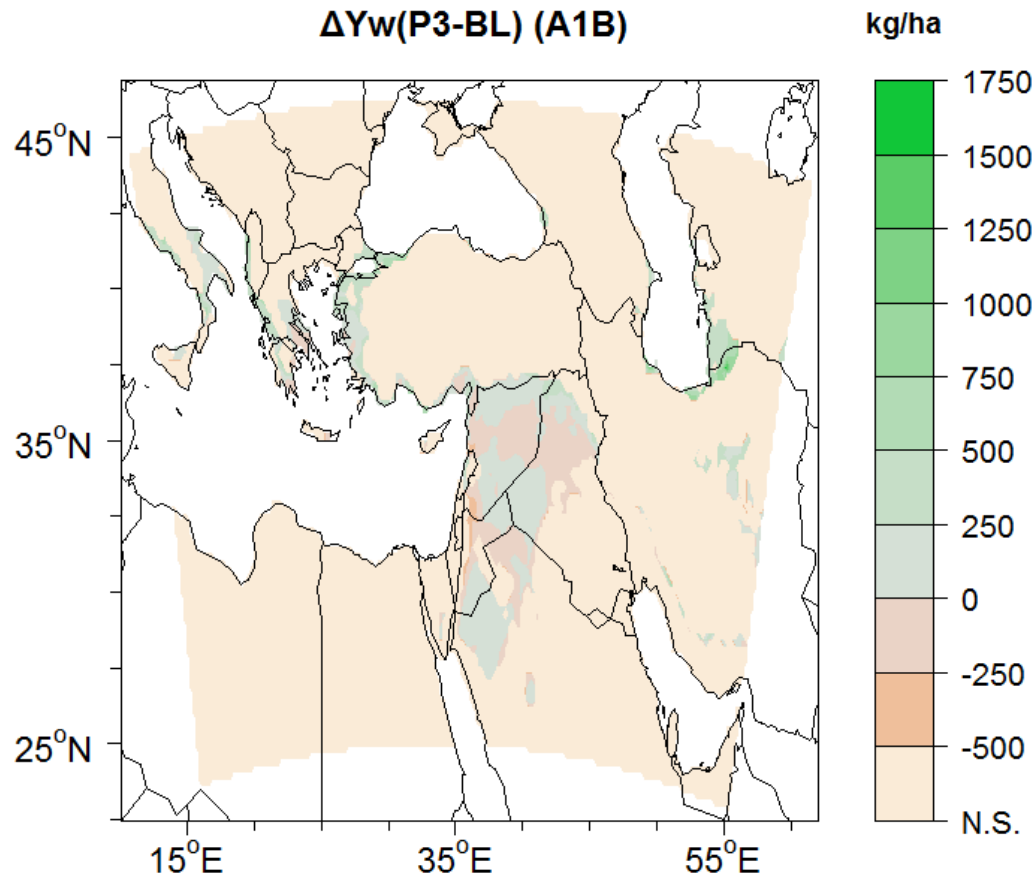


Zachariades and Hadjinicolaou, Energy, 2014

# Adaptation

## Impacts of Climate Change in Cyprus

### AGRICULTURE: Reduction in crop production



Constantinidou et al., 2016



# Adaptation National Plan

**2011-2014**

CYPADAPT (LIFE project ):  
Development of a national  
strategy for adaptation to  
climate change adverse  
impacts in Cyprus

**2015**

Climate Risk assessment

**May 2017**

Cyprus' Council of Ministers  
decides to adopt the National  
Strategy and National Action  
Plan of Cyprus on Adaptation  
to Climate Change

# Adaptation National Plan

The implementation of the Strategy aims at enhancing Cyprus' capacity to adapt to observed and projected climate change and aims to effectively prevent and address the negative impacts of climate change.

The Strategy is accompanied by the National Action Plan which consists of 57 actions in 10 sectors

Biannual revision of the strategy and the action plan is foreseen

- Water
- Soil
- Coastal areas
- Biodiversity
- Agriculture
- Forests
- Health
- Energy
- Tourism
- Infrastructure

## Conclusions

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## Climate change mitigation & adaptation national plans

- Despite the ambitious target to be undertaken by Cyprus to reduce greenhouse gas emissions, we are optimistic that by developing and implementing the appropriate policies and measures, will achieve its goal. Simultaneously Cyprus will decrease its dependency on fossil fuels imports, will enhance its competitiveness, create new jobs and transit to a low carbon economy.
- The adoption of Adaptation actions is expected to positively contribute to the promotion of sustainable, green and blue growth, rational resource management, improved production efficiency and infrastructure protection. It is also expected to contribute to the growth of the economy with new opportunities for both the market, investments in innovative technologies and products resistant to climate change as well as employment in many sectors and stimulation of small and medium-sized enterprises and substantially contribute to the protection and improvement of public health, well-being and quality of life for our citizens, as well as protecting our cultural heritage.

# THANK YOU

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