

Cyprus National Adaptation Strategy and Cyprus' Climate Change Initiative:

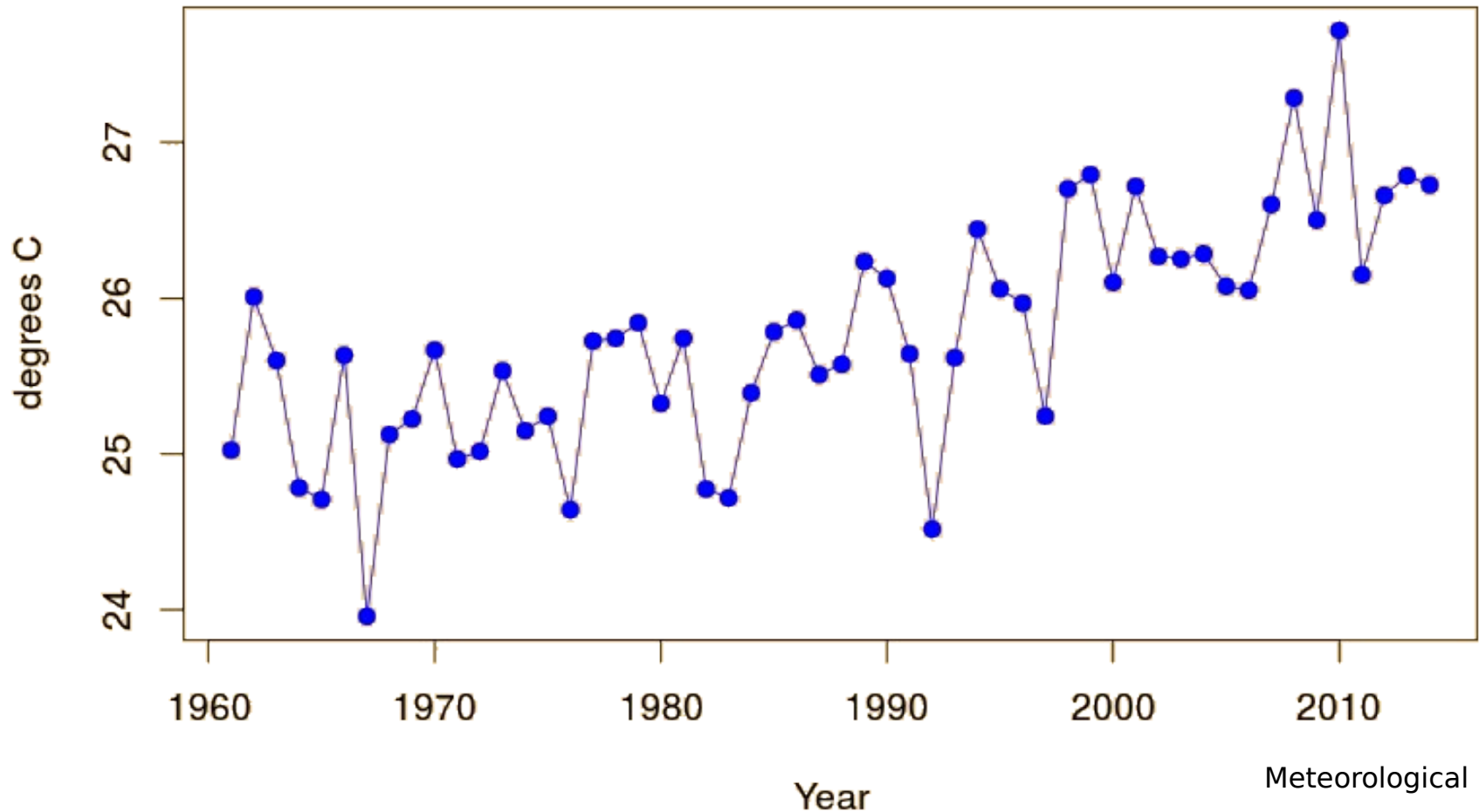
Dr. Theodoulos Mesimeris
Senior Environment Officer

CYPRUS NATIONAL ADAPTATION STRATEGY

Adaptation

Impacts of Climate Change in Cyprus

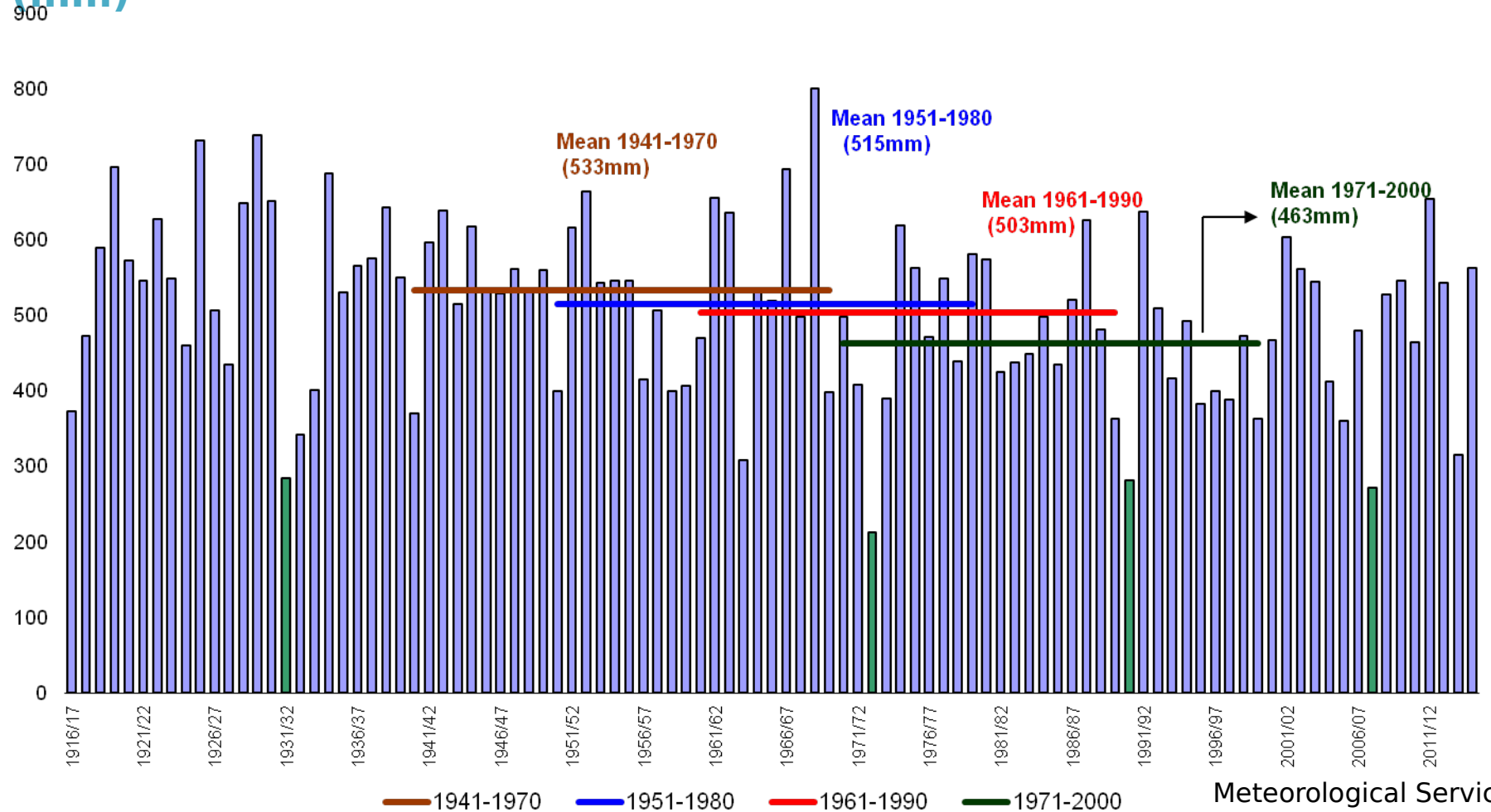
1961-2015 annual temperature -
Nicosia



Adaptation

Impacts of Climate Change in Cyprus

1916-2015 Annual area average precipitation (mm)

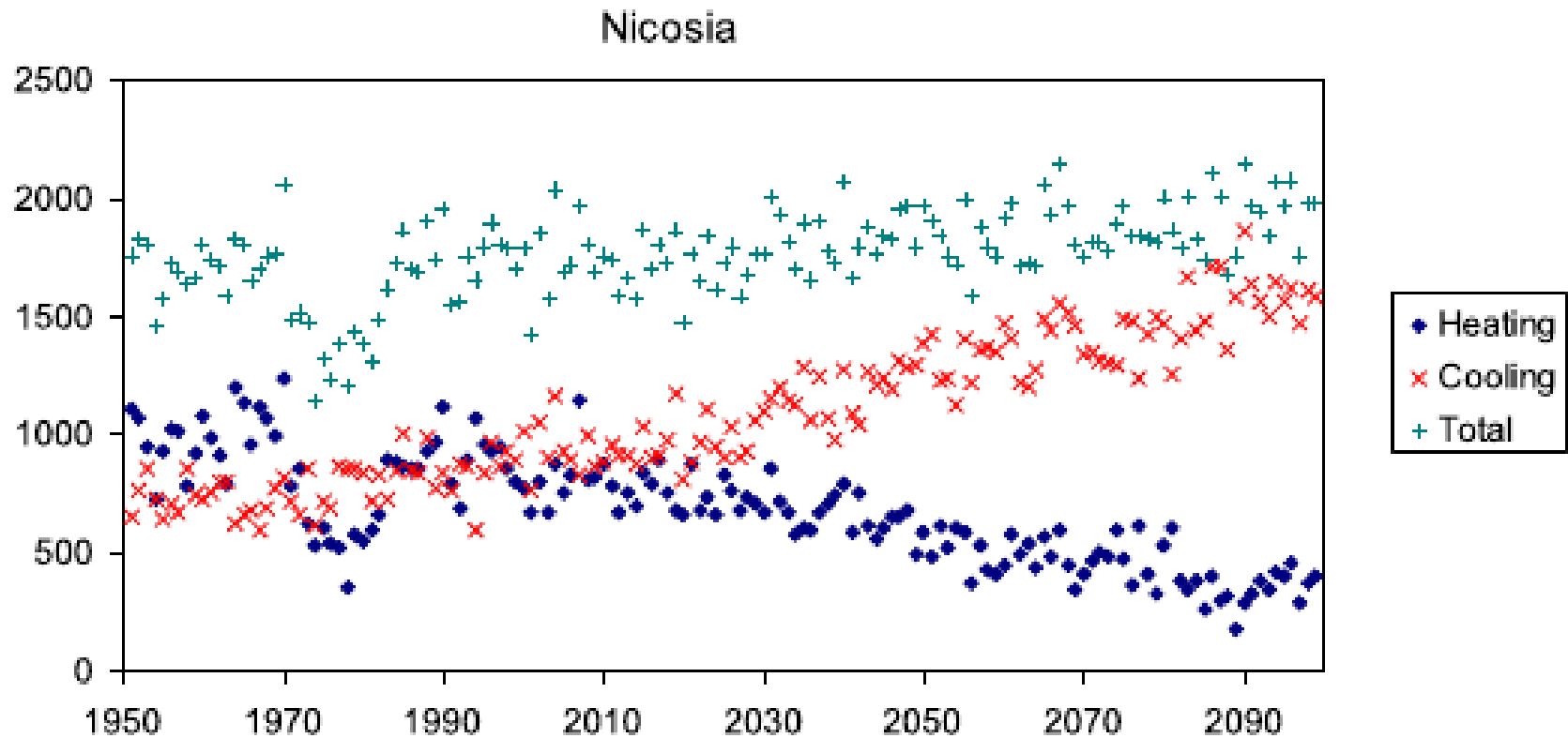


Meteorological Service

Adaptation

Impacts of Climate Change in Cyprus

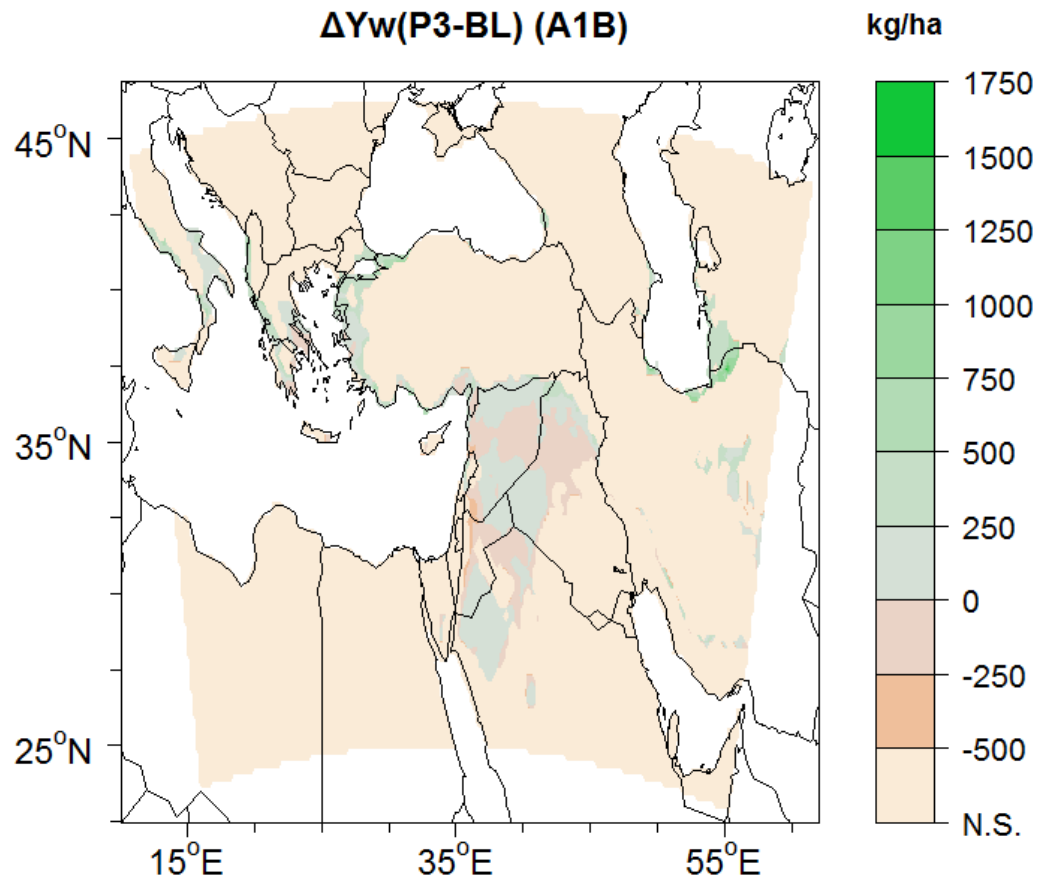
ENERGY: Increase in total power needs



Adaptation

Impacts of Climate Change in Cyprus

AGRICULTURE: Reduction in crop production



istantinidou 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

Public
Health

Energy

Tourism

Infrastructu
re

Cyprus National Adaptation Strategy: Stakeholders' involvement in policy development

The active engagement of stakeholders and experts (relevant ministerial departments, associations, non-governmental organizations, universities, research institutes, etc.) was recognized from the beginning of the NAS development as a key element for the assessment of vulnerability, the identification and evaluation of adaptation measures and most importantly, for the development of the NAS. Stakeholders were involved in several phases of the CYPADAPT project and NAS.

The draft NAS went through two different consultation phases before it was published. The 1st phase presented the draft NAS to the sectoral Steering Committees of the LIFE project for comments. The 2nd phase consisted of a public consultation for a period of 2 months, which sought feedback on the evaluation criteria, the scoring system and the adaptation measures as well as input to the Multi-Criteria Analysis (MCA) tool database.

Cyprus National Adaptation Strategy:

Monitoring, Reporting and Evaluation

The Department of Environment (DOE) of MARDE is the approved body by Council of Ministers' Decision, which adopted the NAS and NAP in May 2017, to monitor the implementation of the NAS and NAP. The same Decision also clearly states that the NAS and NAP is reviewed annually.

Data is collected for each adaptation measure and a review is being prepared. The 1st Annual Report that was adopted by the Council of Ministers on 5th December 2018 includes, inter alia, the following:

- New data on the recording of observed and future climate change in Cyprus.
- New data in the assessment of the impacts of Cyprus's climate change, adaptation and vulnerability.
- Activities carried out for the implementation of the NAS and NAP for the period 2017-2018.
- Updated adaptation measures and actions for Cyprus to climate change.

DOE is in constant contact with the implementing bodies to discuss the implementation of the NAP, the modification of the measures, if necessary, and the resources (human and financial) needed.

Mitigation in CYPRUS – Overview

The Paris Agreement

Mitigation | European Union

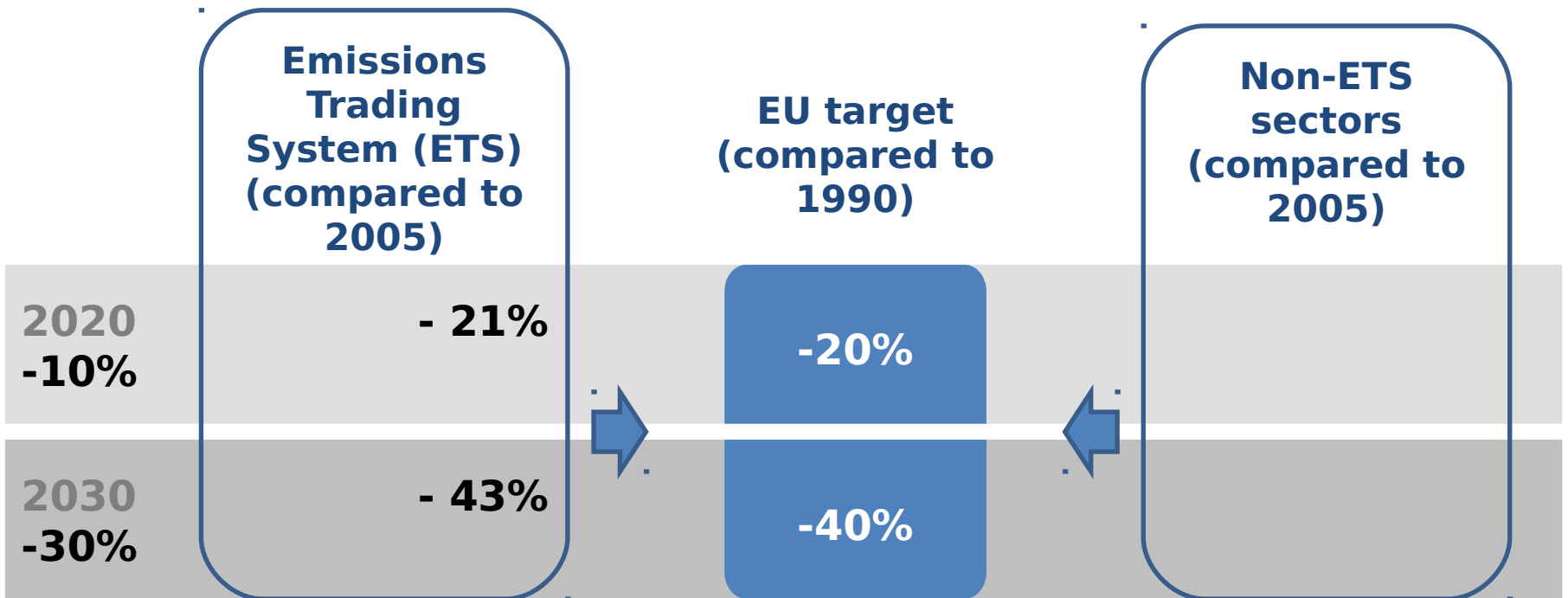
EU has been at the forefront of international efforts towards a global climate deal

The first major economy to submit its intended contribution to the new agreement in March 2015

Target to reduce emissions by at least 40% by 2030

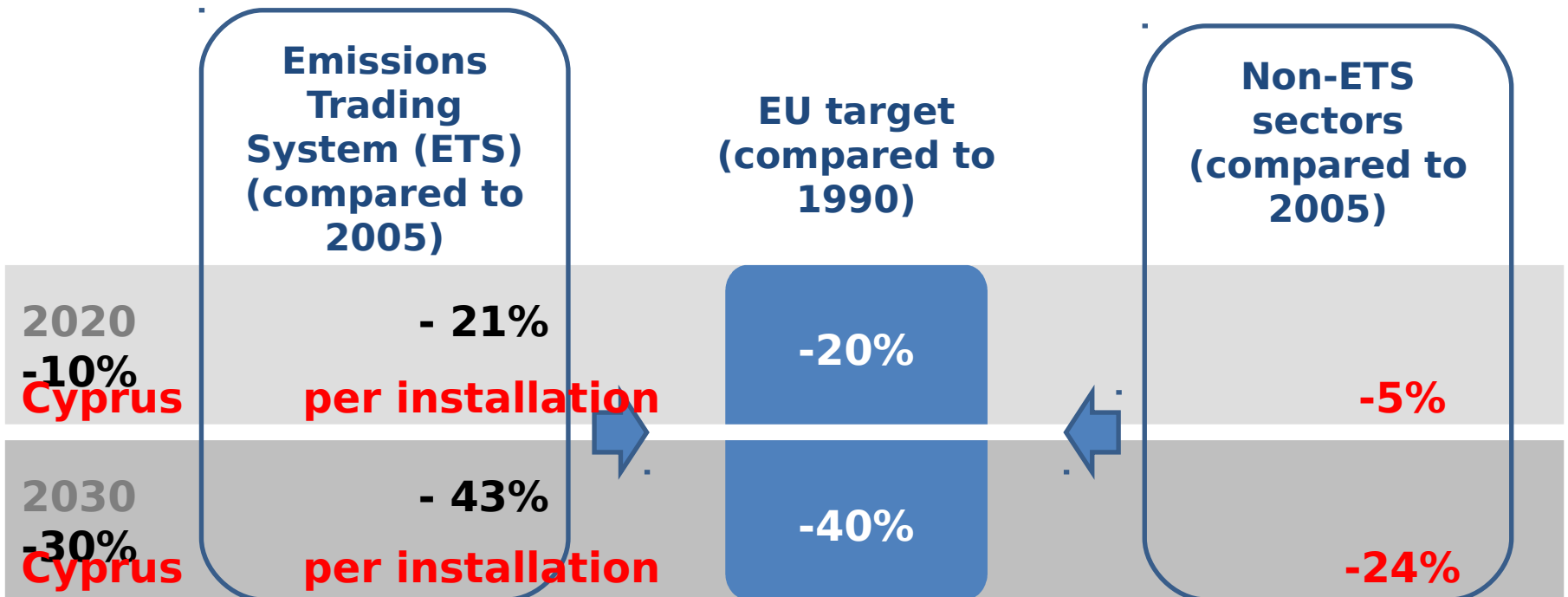
The Paris Agreement

Mitigation | European Union



The Paris Agreement

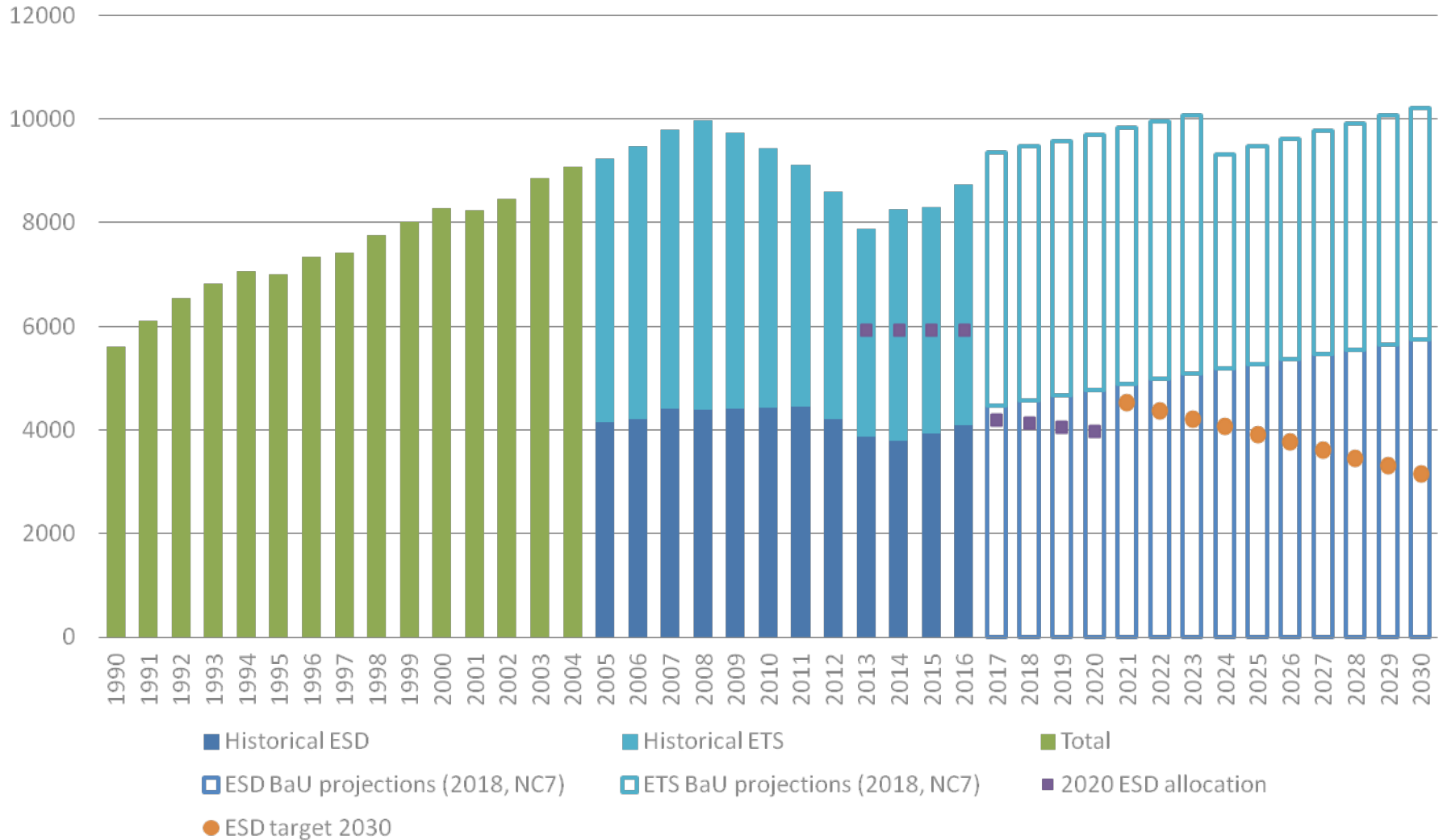
Mitigation | European Union | National Targets



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

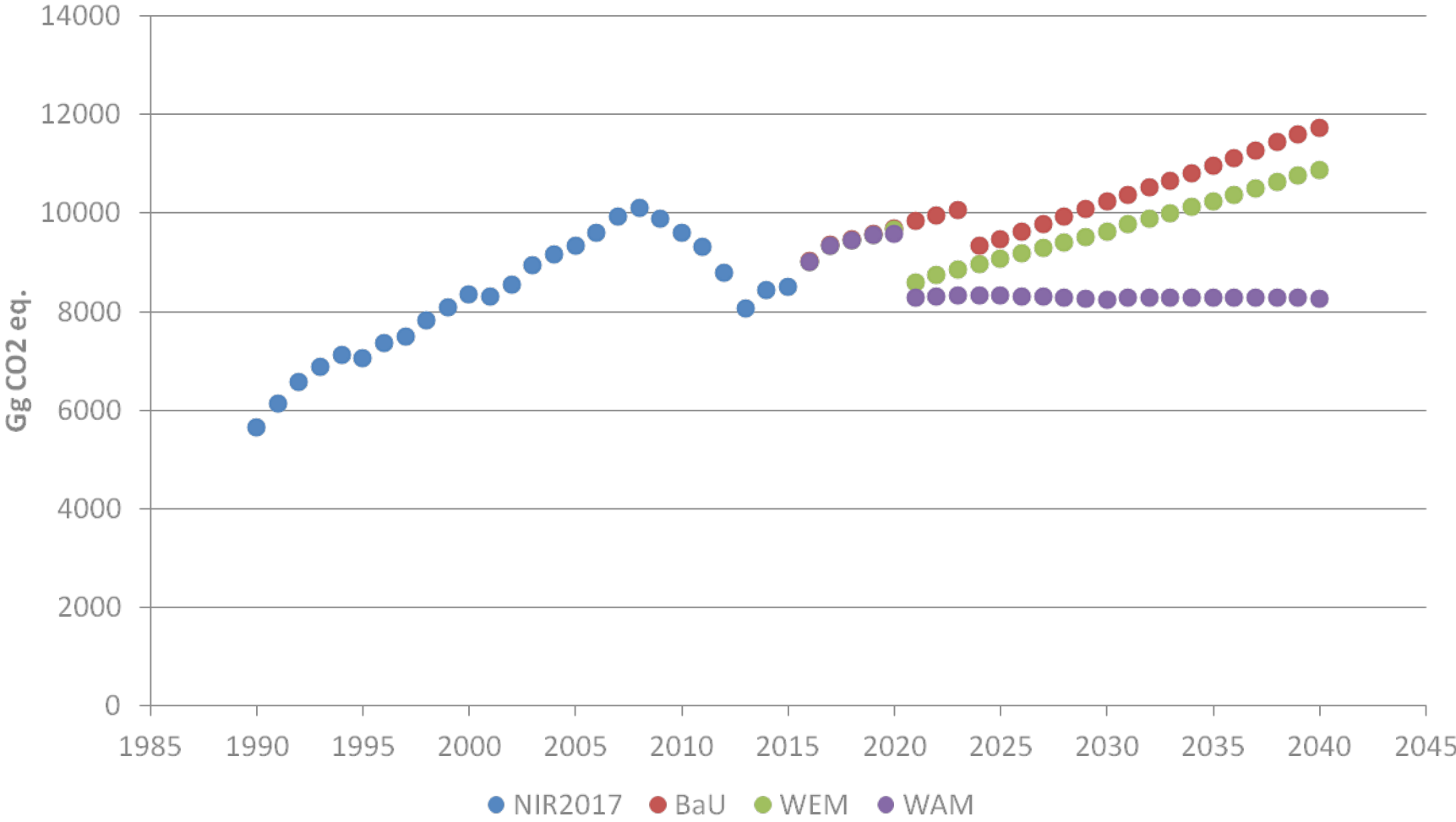
- Promotion of anaerobic digestion for treatment of animal

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

Cyprus' Climate Change Initiative

The Cyprus Climate Change Initiative: Overview

The Eastern Mediterranean and Middle East (EMME) region is:

- highly vulnerable to the impact of climate change
- is classified as one of the global “hotspots”.

All countries of the Eastern Mediterranean and Middle East region expressed their concern about the impact of climate change on the region.

The Cyprus Climate Change Initiative: Overview

Towards this end, and following the International Conference on “Climate Change in the Mediterranean and the Middle East” organized in May 2018, the President of the Republic of Cyprus, Mr. Nicos Anastasiades, expressed his vision for Cyprus:

- to undertake an international initiative
- assume a coordinating role in the efforts of the Eastern Mediterranean and Middle East region to ameliorate climate change and its impacts.

H.E President Anastasiades communicated this to all European Countries, to the EU Parliament, all the leaders of the EU Mediterranean Countries and most of the Governments of the EMME Region.

The Cyprus Climate Change Initiative: Overview

On 27th March 2019, Cyprus' Council of Ministers formally approved the Cyprus Climate Change Initiative (CCI) as a Strategic Plan of the Cyprus Government which will assume a coordinating role in the efforts of countries from the Eastern Mediterranean and Middle East region to tackle the impact of climate change, in accordance with the Paris Agreement.

Aim: The Cyprus Climate Change Initiative aims at the development of an action plan to address the specific needs and challenges countries are facing in the EMME region in relation to the greenhouse effect and the adaptation to climate change.

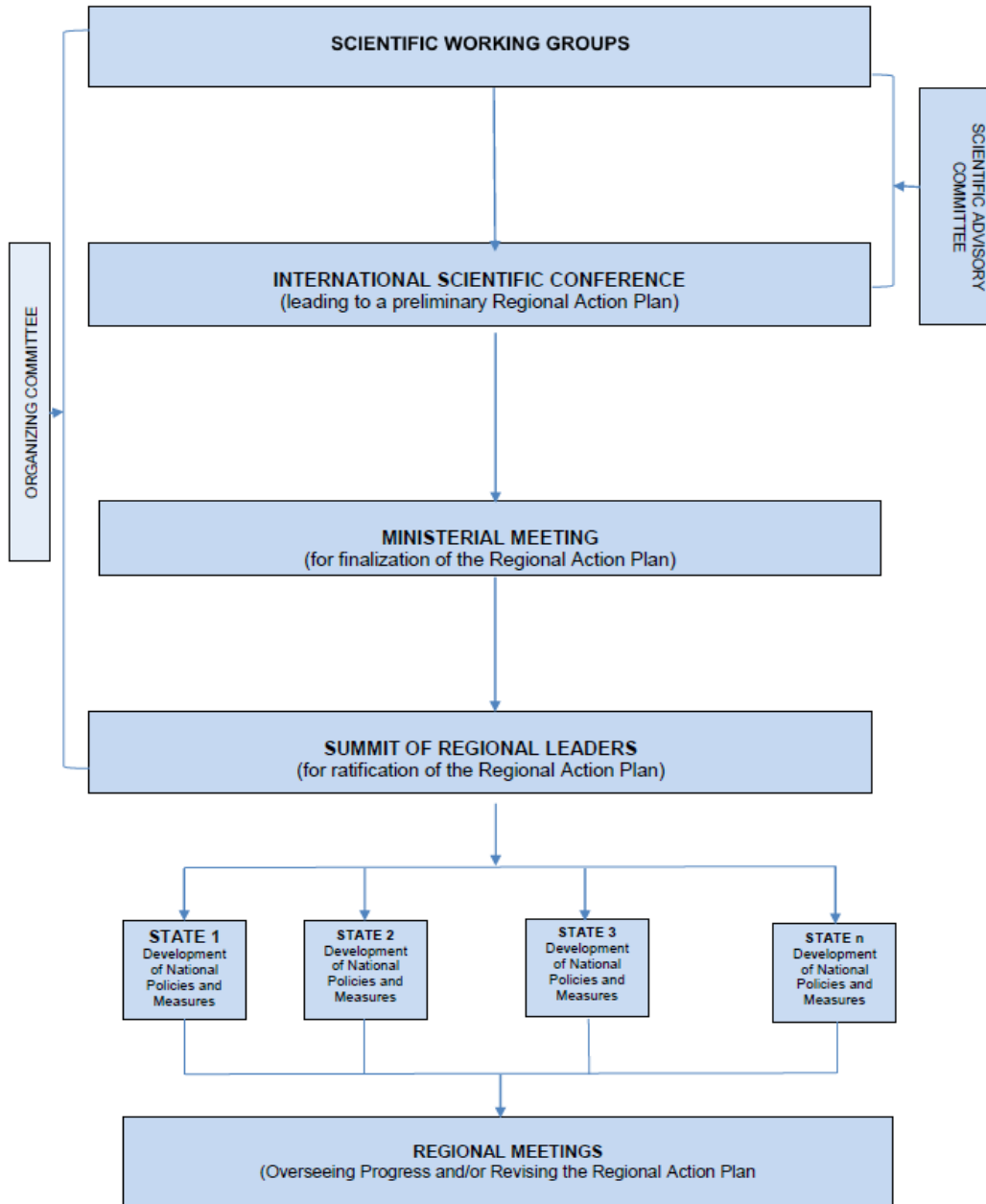
The Cyprus Climate Change Initiative: Action Plan

- This initiative will be fed by multi- and cross-disciplinary research on societal challenges requiring regional and local solutions. It will develop an inclusive “dialogue forum”- a **platform** where national and regional stakeholders can discuss science-based practical solutions to challenges related to climate change.
- This initiative can feed the Eastern Mediterranean and Middle East region with environmental observations and predictions that are critically limited but required to assess the extent of warming and drying conditions. It will also support national policies for meeting CO2 emission pledges to the Paris Agreement.

The Cyprus Climate Change Initiative: Action Plan

- This platform will be carried out through a series of **workshops** by groups of scientists, who will be selected based on their expertise and excellence and will be coordinated by The Cyprus Institute.
- These workshops will provide a set of reports and recommendations that will form the basis for the **Draft Regional Action Plan** for tackling climate change.
- It is envisaged that the Regional Action Plan will be finalized through **Ministerial Meeting** and ratified in **Summit of Regional Leaders** .
- On the basis of the adopted Regional Action Plan the countries of the Eastern Mediterranean and Middle East can develop their own national climate action plans.

THE CYPRUS CLIMATE CHANGE INITIATIVE



The Cyprus Climate Change Initiative: TIMETABLE

TENTATIVE TIMETABLE (Meeting Dates & Milestones)

For the implementation of this initiative, a preliminary road map has been drafted with the following milestones:

N.	Date	Meeting
1.	June 2019 – June 2020	Thematic task forces & Scientific Workshops - “Climate Change Impacts, mitigation and Adaptation in the EMME region.”
2.	June 30 – July 1, 2019	Abu Dhabi Climate Meeting for the UN Climate Action Unit
3.	September 23, 2019	NYC UN 2019 Climate Summit; Presentation of the Initiative
4.	Dec. 2019	Organizational Meeting of CCI: Policy and Scientific Leaders finalize target and deliverables of CCI.
5.	June 2020	Scientific Climate Conference (Cyprus)
6.	November 2020	Ministerial Meeting for advancing policy agenda
7.	Early 2021	Summit of Regional Leaders on coordination of Climate Change

Thank you

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