

## NATIONAL AIR STRATEGY FOR 2020 (ENAR2020)

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### ENAR 2020: VISION



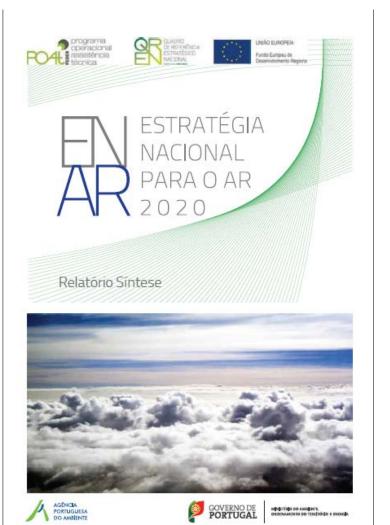


- 1. To achieve compliance on emissions and air quality objectives by 2020;
- 2. To achieve compliance with emission legislation (NEC, MIC,...) by 2020 and 2030;
- 3. Outline the path to achieve WHO's air quality long term objectives;
- 4. Align and enhance synergies between climate change and air quality by implementing measures with co-benefits;



# **ENAR 2020: CONTENTS**

#### Summary Report and Support Documents





Scope and Background

Emissions and Air Quality Scenarios and Projections by 2020



Strategic Action Lines for 2020

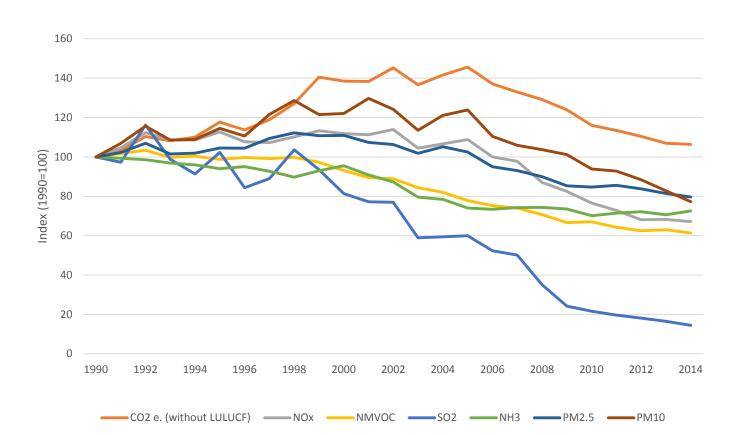


## **ENAR 2020: AIR POLLUTANT TRENDS**



### ENAR 2020: ATMOSPHERIC EMISSION TRENDS

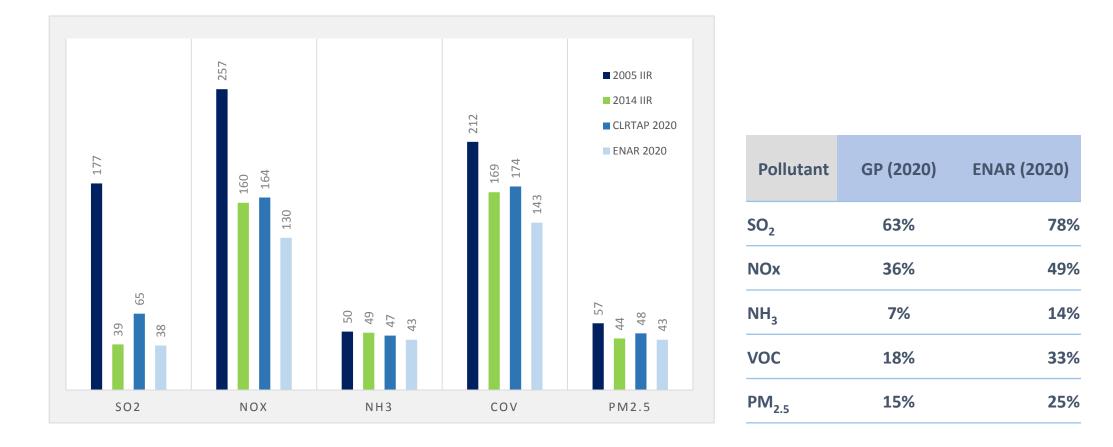
### **EMISSION TRENDS: GHG and Air Pollutants**



Pollutant	∆ 2014-1990	∆ 2014-2005
CO2 e. (without LULUCF)	6%	-27%
NOx	-33%	-38%
COVNM	-39%	-21%
SO <sub>2</sub>	-86%	-76%
NH <sub>3</sub>	-27%	-2%
PM <sub>2.5</sub>	-20%	-22%
PM <sub>10</sub>	-23%	-38%



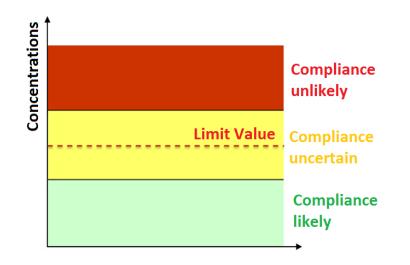
### ENAR 2020: EMISSIONS PROJECTION FOR 2020 - RESULTS



- Projections for 2020 assuming that all Policies & Measures programmed until this date will enter into force
- CLRTAP 2020 (Gothenburg Protocol) Reduction goals to be met by 2020



## **ENAR 2020: AIR QUALITY MODELLING - RESULTS**



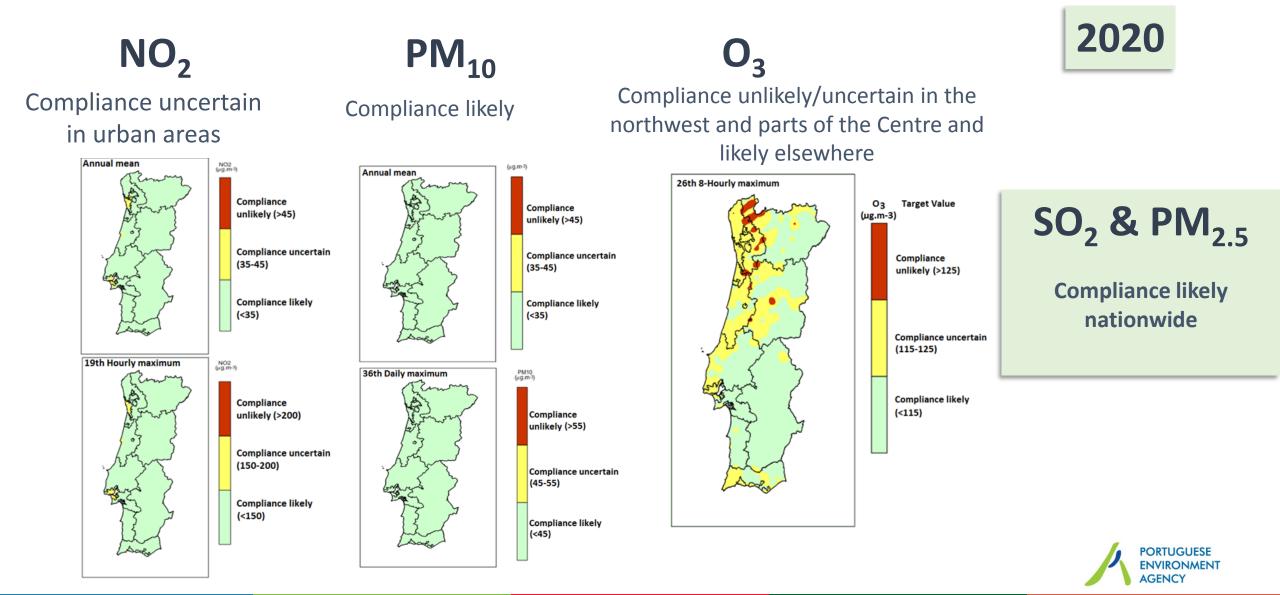
#### modeled results clearly above the limit/target value

modeled results around the limit/target value (± 20%)

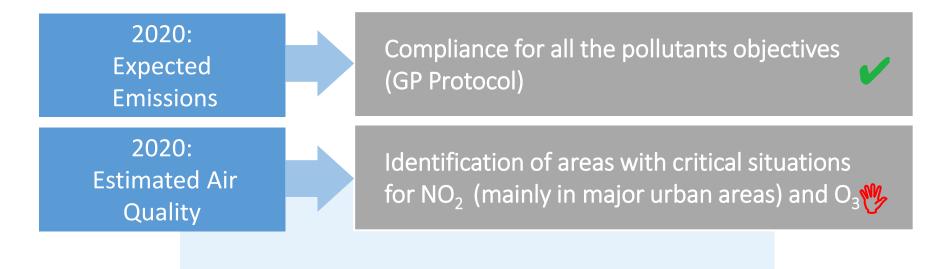
modeled results clearly below the limit/target value



## ENAR 2020: AIR QUALITY MODELLING 2020- RESULTS



### **ENAR 2020: PROJECTIONS – OBJECTIVES ATTAINED?**



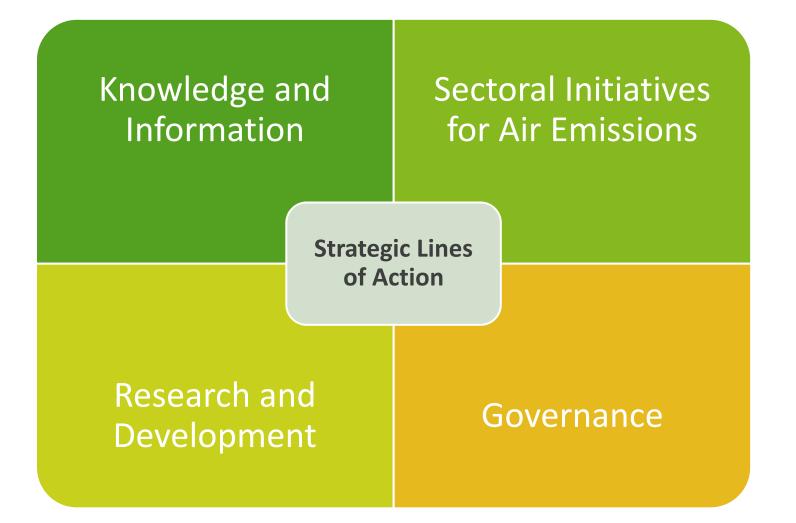
Trend of air quality improvement

Policies & Measures implemented are not enough

Measures to insure air quality objectives compliance are needed



## **ENAR 2020: STRATEGIC LINES OF ACTION**

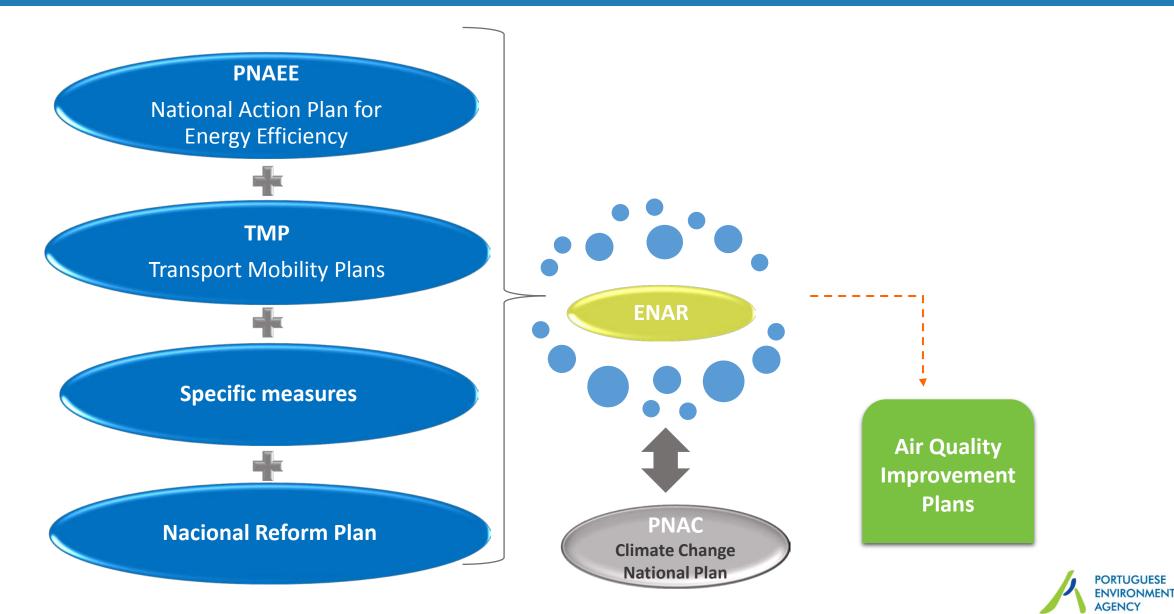




### **ENAR 2020: STRATEGIC LINES OF ACTION - MEASURES**

Strategic vectors		Measures	
Knowledge and Information	C&I1. C&I2.	Improvement of information quality on atmospheric emissions and ambient air quality Optimization of air quality monitoring network	
Sectoral Initiative for atmospheric Emissions	ISEA1. ISEA2. ISEA3.	Increase energy efficiency as a way to reduce emissions of air pollutants Promotion of improved efficiency utilization of natural resources and raw materials Improvement of emissions control of atmospheric pollutants from industrial plants	Industry
	ISEA4. ISEA5. ISEA6. ISEA7. ISEA8.	Sustainable Management of Urban Mobility and Passenger Transport Active management of behaviors in professional fleets (transport of passengers or goods) Promotion of high environmental performance vehicle Sustainable management of freight transport Increase in the technical operational capacity of the Inspection & Maintenance (I & M) of motor vehicles	
	ISEA9.	Reinforcement of measures to minimize ammonia emissions in the agricultural sector	Agricultu re
	ISEA10.	Promotion of the adoption of efficient air conditioning solutions	Resid./ Com.
Governance	G1. G2.	Ensure effective governance and ensure the integration of air quality objectives in the various sectoral areas Optimization of operational processes in Public Administration in order to increase the knowledge and effectiveness of information systems, evaluation and monitoring.	
Reaserch & Development	I&D1. I&D2. I&D3. I&D4.	Evaluation of emissions from sectors with insufficient, disjointed and / or inconclusive information Development of tools to enable integrated assessment in the field of air quality Quantification of the effects of air pollution on human health in Portugal Assessment of the effects of air pollution on ecosystems in Portugal	IGUESE DNMENT CY

## **ENAR 2020: ARTICULATION OF POLICIES AND PLANNING**



## **ENAR 2020: FOLLOW-UP AND MONITORING**

- Interministerial Commission for Air and Climate Change
- System of Policies and Measures (SPeM) relevant entities mentioned in RCM nº 45/2016
- Technical Air Quality Group (GTAR) National and Regional authorities, Universities, National Reference Laboratory
- Reporting instruments
  - ✓ National System for the Inventory of Emissions by Sources and Removals by Atmospheric Pollutant Sinks (SNIERPA) (Emissions)
  - ✓ Annual Quality Assessment Air (EU Decision Exchange of information)
  - ✓ Evaluation of policies CLRTAP

> Air Strategy: Ministerial Council Resolution nº 46/2016, 26th August

dre.pt/application/file/75212779

> SP&M: Ministerial Council Resolution nº 45/2016, 26th August

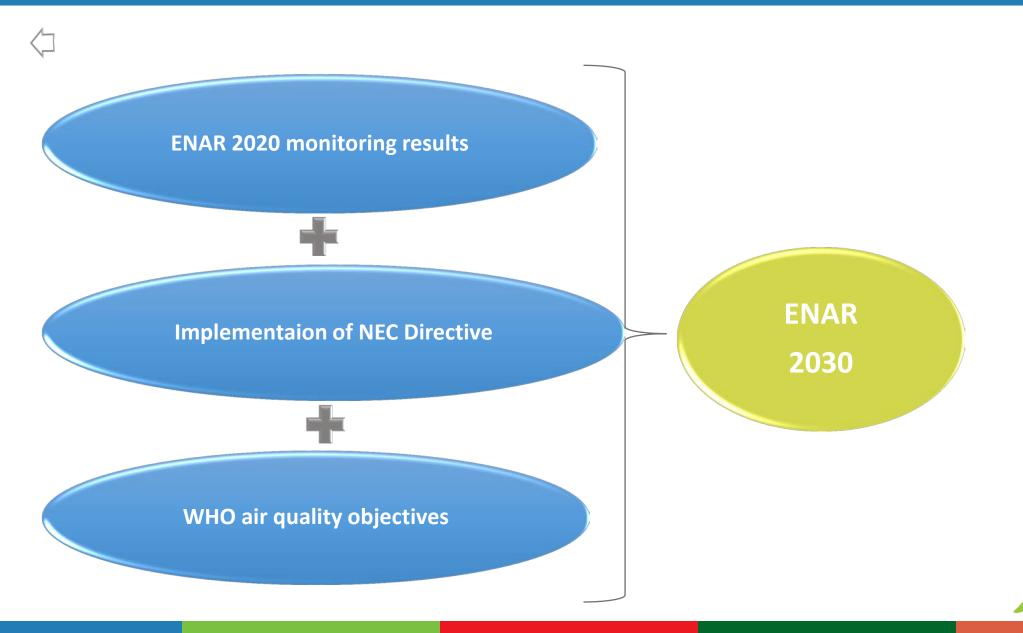
dre.pt/application/file/75212778

> All Documents: Portuguese Environment Agency

www.apambiente.pt/index.php?ref=16&subref=82&sub2ref=1174



## ENAR 2020: REVISION IN 2019



PORTUGUESE ENVIRONMENT AGENCY

