



Ministry of Environment and  
Physical Planning

# **National Climate change activities towards Climate Summit in Paris**

\*The Republic of Macedonia has started preparation for the COP 21 (Paris 2015) a couple of years ago when the projects addressing climate change mitigation, were scoped in way so as to create an adequate knowledge through complex energy modeling and scenario analyses.

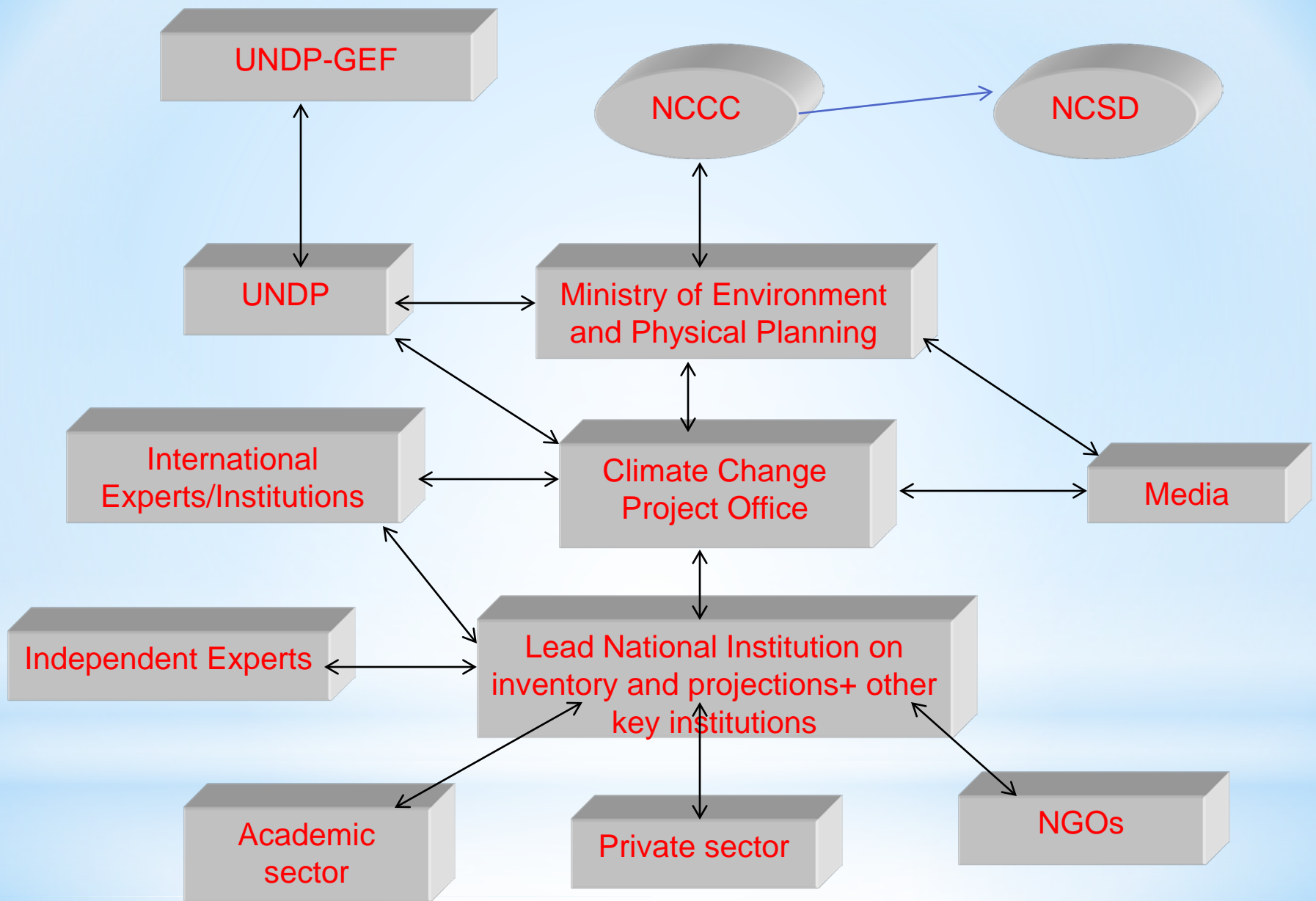
**\* Preparatory activities for  
Climate Summit, Paris 2015**

- \* I, II and III National Communication on Climate Change (2003, 2008, 2013)
- \* First biannual update report (FBUR), January 2015
- \* National strategy on adaptation on health sector to climate change
- \* National vision for Sustainable Development in the context of Rio+20 and EU accession

## \* Strategic documents

- \* Strategy for Energy Development in the Republic of Macedonia until 2030,
- \* Strategy for Exploitation of Renewable Energy Sources in the Republic of Macedonia until 2020,
- \* Strategy for Promotion of Energy Efficiency in the Republic of Macedonia until 2020, including the related action plans for their implementation.

**\* Strategic documents**



# The process and key players





Three parallel processes are implemented in the country:

- \* Technical/analytical,
- \* Political, and
- \* Consultative

\* Preparatory work for Climate Summit, Paris 2015

Two approaches:

- \*Top-down

- \*Bottom-up

**\*Analytical/technical  
work**



# Results from top-down approach

		Ambition level		
		Low	Medium	High
EU	Cumulative emissions (kt)	302,613	269,871	234,929
	Cumulative total system costs (2012M€)	51,725	52,243	52,487
	Incremental specific reduction cost (€/t)	2.70	4.53	4.85
QELRC	Cumulative emissions (kt)	345,878	320,961	285,950
	Cumulative total system costs (2012M€)	51,338	51,521	52,092
	Incremental specific reduction cost (€/t)	0.99	1.86	4.17
BAUdev	Cumulative emissions (kt)	347,519	340,113	300,290
	Cumulative total system costs (2012M€)	51,550	51,809	52,945
	Incremental specific reduction costs (€/t)	2.35	3.82	8.64

## Colour code:

	good	acceptable	poor
Cumulative emissions (kt)	<300,000	300,000 - 325,000	>325,000
Cumulative total system costs (2012M€)	<51,600	51,600 - 52,000	>52,000
Incremental Specific reduction costs (€/t)	<2.00	2.00 -4.00	>4.00

# Results from bottom-up approach

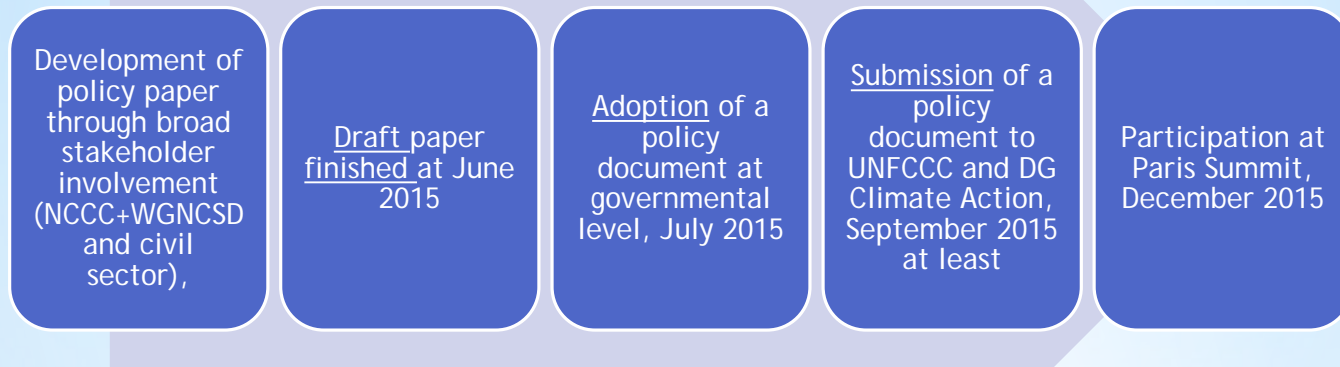
	WOM	WEM	WAM
CO <sub>2</sub> emissions in 2020 (kt)	11,561	9,269	8,694
CO <sub>2</sub> emissions in 2030 (kt)	17,891	12,124	11,214
Cumulative CO <sub>2</sub> emissions by 2020 (kt)	90,033	80,007	79,348
Cumulative CO <sub>2</sub> emissions by 2030 (kt)	212,634	173,301	165,032
Reduction compared to WOM (CO <sub>2</sub> emissions in 2020)		20%	25%
Reduction compared to WOM (CO <sub>2</sub> emissions in 2030)		32%	37%
Reduction compared to WOM (cumulative CO <sub>2</sub> emissions by 2020)		11%	12%
Reduction compared to WOM (cumulative CO <sub>2</sub> emissions by 2030)		18%	22%

- \* Re-analysis of previously reviewed measures together with stakeholders and confirming/updating of the relevant assumptions
- \* Inclusion of other measures and sectors with mitigation potential
- \* Vulnerability assessment in terms of the base year, and selection of the most appropriate option

**\* Current work on  
INDCs**

- \* Determining the year by which the emissions would rise, and then begin to decline (Peaking year)
- \* Analysis of the ambition level of actions for climate change mitigation in regards to the 2030 EU Energy and Climate package, taking into consideration the EU membership candidacy of the Republic of Macedonia

**\* Current work on  
INDCs**



\* Further activities on  
INDCs

IPA TAIB	IPA TAIB 2009	IPA TAIB 2011	IPA TAIB 2012
status	Assistance of preparation of Environment and Climate Strategy 2014-2020 - DONE	Preparation of the ToR through Service Contract – ONGOING	Low on Climate Action and Long-term strategy PLANNED to be developed
amount	100.964,00 eur	100.000,00 eur	1.116.480,00 eur

# \*Activities under IPA



- \* The 2015 Contract has to be ambitious, legally binding, multilateral, based on the rules for global participation and relying on scientific information. The 2015 Agreement should also respect in full the principles of the Convention.
- \* The commitments to mitigate the effects of climate change that will be proposed by the Parties for incorporation in the 2015 Agreement should be transparent, measurable, comparable, verifiable and ambitious, which means that it is vital for these commitments to be clear by nature

## \* Expectations from Paris Conference

# Thank you for your attention!

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