

LIFE Climate CAKE PL project

Building the system approach to creating and addressing
knowledge for the climate policy implementation

Capacity-building Knowledge to Action Day
2nd PCCB Capacity-Building Hub / COP25 Madrid



December 6, 2019 / 17:30 – 19:00



THE NATIONAL CENTRE FOR EMISSIONS MANAGEMENT

KOBIZE

▶ **KOBIZE** as a part of the Institute of Environmental Protection – National Research Institute (IOŚ - PIB) is responsible for emissions management and administration of the EU ETS in Poland under the supervision of the Ministry of Climate.

▶ **Administration of the EU ETS:**

- ▶ Allocation of free allowances
- ▶ Monitoring and verification
- ▶ Reports related to the system
- ▶ Administration of EU Registry
- ▶ Auctions



▶ **Management of national emissions:**

- ▶ Database with information on the emitters (not only GHG)
- ▶ Reporting under UNFCCC and other conventions
- ▶ Active negotiators within UNFCCC process (COP)
- ▶ Analytical support to climate policy administration

OUTLINE

- ▶ To extend the title:

Building the system and sustainable approach to creating and addressing adequate knowledge to support efficient implementation of the UE climate and energy policies

- ▶ The background
- ▶ The challenge
- ▶ Our response
- ▶ Lessons learned

THE BACKGROUND

▶ Domestic perspective:

- ▶ Significance of the comprehensive and reliable information in decision-making (availability, adequacy, quality)
- ▶ Expectations of stakeholders, especially those involved in climate policy development and implementation
- ▶ Using the current potential of knowledge and experience

▶ European and international perspective:

- ▶ Increasing ambition level and the need to speed up actions
- ▶ Insufficient consideration of country-specific impacts

THE CHALLENGE (1)

▶ The gaps

- ▶ Deficit in adequate knowledge, information and data generation, also due to insufficient availability of tools
- ▶ Insufficient translation of the knowledge into useful information to support decision making
- ▶ Administrative inabilities in making effective policy making
- ▶ Unambitious and/or conservative decisions due to uncertainties

▶ Analytical challenge

- ▶ Deficiency or inadequacy of analytical tools (lack of coherent and comprehensive analytical toolkit for different areas of climate & energy policy)
- ▶ Lack of transparency of modelling tools: models construction and assumptions, models development and data quality information, etc.
- ▶ **Lack of effective communication of modelling results between modellers and policymakers**

▶ **Obligation to apply modelling tools**

▶ **UNFCCC level**

- ▶ „Annex I parties prepare emissions estimates using models assumptions”
Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II, par. 50(a)

▶ **EU level**

- ▶ National Climate & Energy plans and emissions projections „**Those projections and assessments should include descriptions of the models and methodological approaches used, definitions and underlying assumptions**”
Regulation Governance of the Energy Union and Climate Action, art. 16

▶ **Capacity building**

- ▶ The efficient capacity building requires not only the experts employment to meet the challenges, but also involvement of stakeholders in designing analytical objectives and creating channels to address outputs to right persons/levels in decision making process.

OUR RESPONSE

→ LIFE CLIMATE CAKE PL

▶ Important questions

- ▶ How to assure effective use of modelling results for **policy making** in climate & energy area?
- ▶ How to achieve good communication of modelling results between modellers and **policymakers/stakeholders**?
- ▶ Need for a in-depth analysis of the effects of the climate & energy policies and measures at the **country, European and international level**
- ▶ Challenge to develop and implement **effective** and **fair** policies which would stimulate emissions reductions at the country and EU level

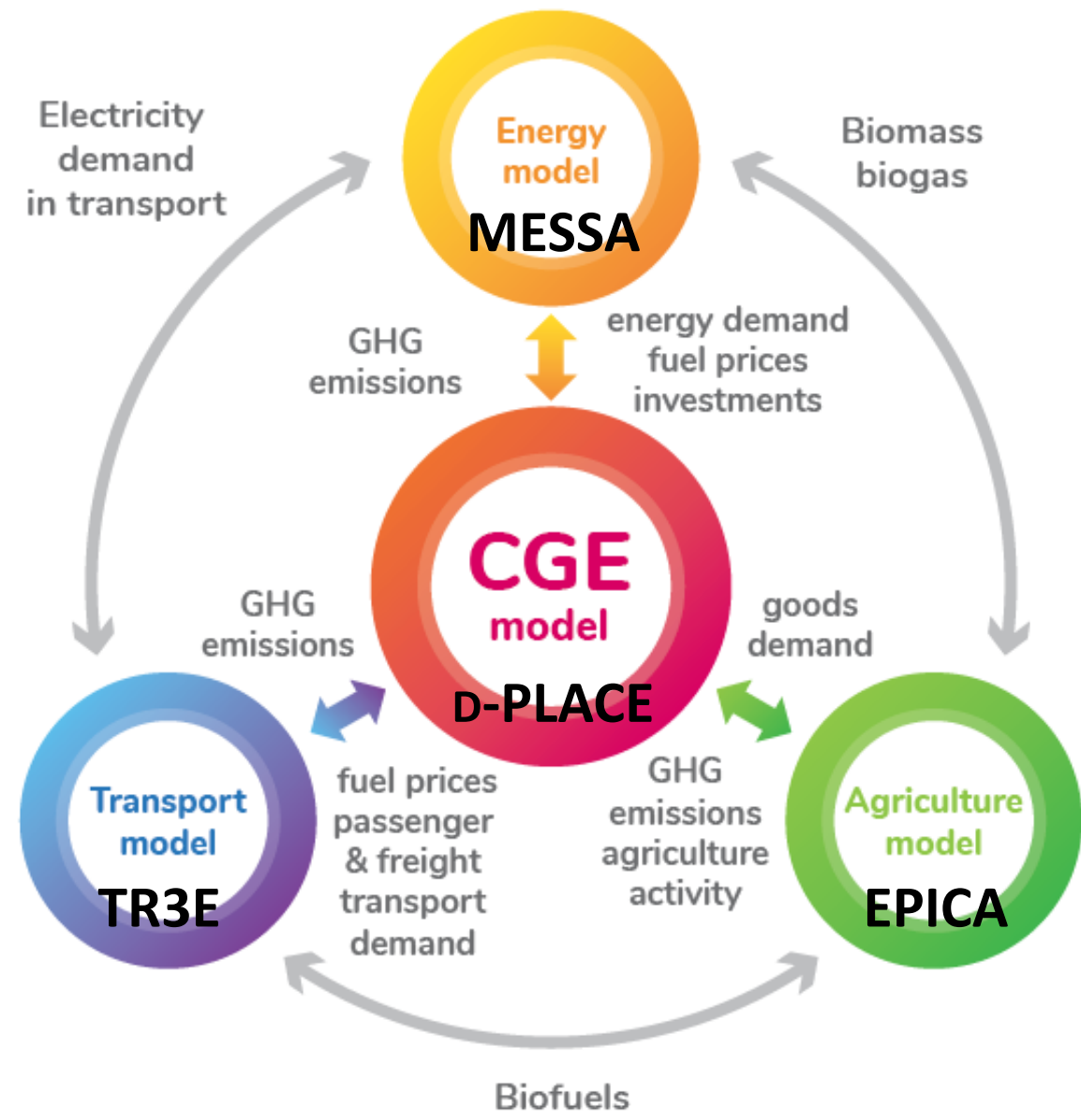
LIFE CLIMATE CAKE PL - BRIEF INFORMATION

- ▶ **NAME:** Building a system of providing and disseminating information supporting the implementation of the EU's climate and energy policy
- ▶ **PROJECT LOCATION:** Warsaw, Poland
- ▶ **PROJECT IMPACT:** EU
- ▶ **PROJECT IMPLEMENTER:** Institute of Environmental Protection / National Research Institute - National Centre for Emissions Management
- ▶ **DURATION:** 01/09/17 – 30/11/20

LIFE CLIMATE CAKE PL – BUILDING THE SYSTEM



LIFE CLIMATE CAKE PL – BUILDING THE TOOLS





THE RISK OF
CONTEXT OF
GREENHOUSE
TARGET

SCENARIO
ENERGY
AND THE

CO₂ EMISSIONS REDUCTION POTENTIAL
IN TRANSPORT SECTOR IN POLAND AND
THE EU UNTIL 2050

LESSONS LEARNED / FEEDBACK (1)

- ▶ **Mr. Michał Kurtyka**, Minister of Climate, Poland:
 - ▶ There is no uniform recipe for the climate neutrality for everyone and the scale of the challenge is more difficult for low-income Member States. The LIFE Climate CAKE PL works and outputs are of high significance for the substantive discussion on climate neutrality.

LESSONS LEARNED / FEEDBACK (2)

- ▶ **Mr. Artur Runge-Metzger**, Director, DG Climate Action, European Commission, on the LIFE Climate CAKE PL:
 - ▶ It is important to build own analytical tools and opportunities, while facing individual challenges. Transformation towards climate neutrality requires investment, but at the same time brings positive elements to the economy. Transformation must be fair.

LESSONS LEARNED / FEEDBACK (3)

- ▶ **Mr. Sławomir Mazurek**, Undersecretary of State, Ministry of Climate, Poland:
 - ▶ LIFE Climate CAKE PL applies an approach combining the construction of analytical tools with deep involvement of public administration as the main recipient of the analytical outputs. The project objectives support the implementation of the EU climate policy, in particular the EU's climate policy framework 2030 and long-term strategy until 2050.

Thank you!

CAKE Team

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Centre for Climate and Energy Affairs

LIFE Climate
@climate_cake

„System dostarczania informacji w celu wsparcia wdrażania polityki klimatyczno-energetycznej (GIC/PL/000031)

Warsaw, Poland
climatecake.pl
Joined November
79 Photos and videos

LIFE Climate CAKE PL @climate_cake · 9 paź 2018

LIFE Climate CAKE PL @climate_cake · 21 gru 2018

The Steering Committee meeting was held on the 20 th Dec. in #KOBIZE- in

LIFE Climate CAKE PL podał/a dalej

PlanUp.eu @_Plan_Up · 19 mar

#PlanUp_PL: Thank you to @climate_cake for introducing to us their CGE model. More info about the strategic implementation of #energy and #climate policies on their website climatecake.pl

Przetłumacz tweeta

Wykorzystanie danych do modeli analitycznych. Uspokojenie zaskakujących i ekspertów zaangażowanych.

Narzędzia analityczne CAKE - model CGE oraz modele sektorowe. Wykorzystanie narzędzi CAKE do wygenerowania informacji potrzebnych grupie docelowej.

Skuteczna i efektywna polityka klimatyczna

Wspieranie polityki w zakresie wygenerowania informacji potrzebnych grupie docelowej.

Szkolenia i warsztaty. Publikacja raportów CAKE. Aktywny udział grupy docelowej.

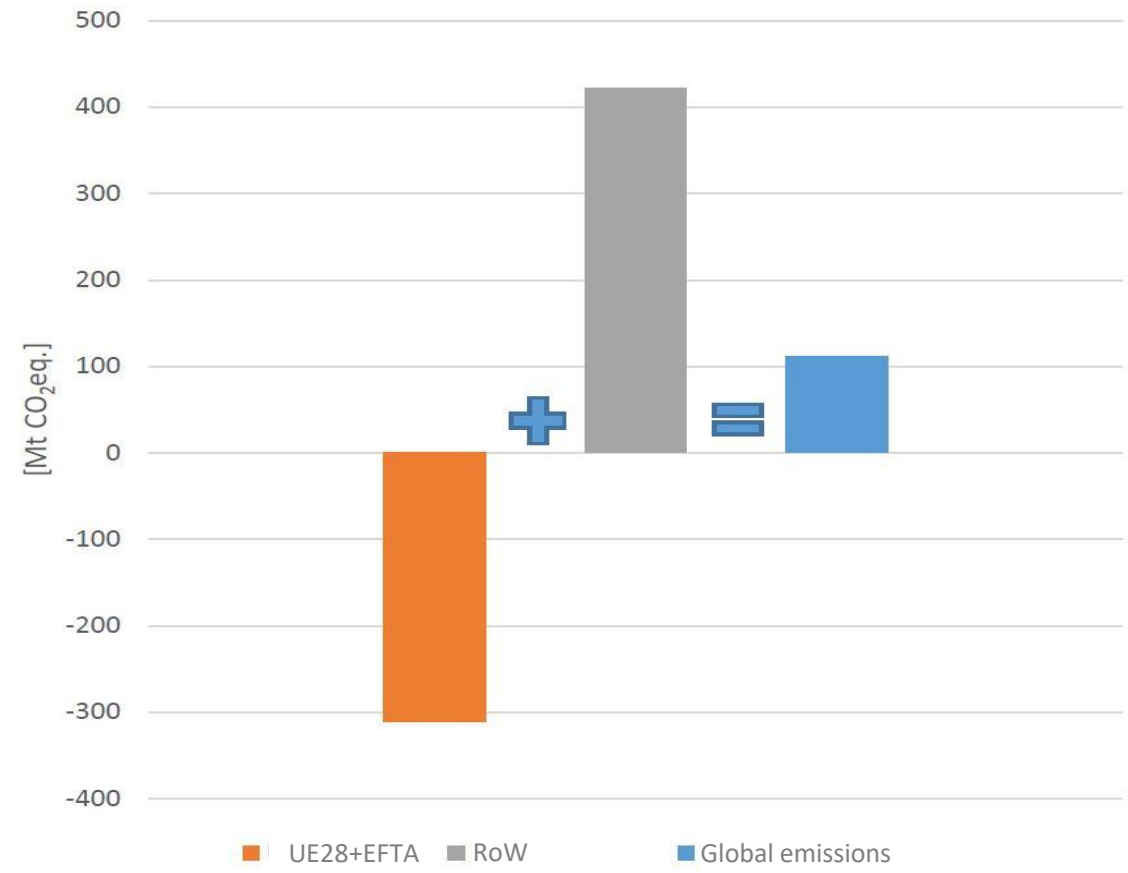
1 retweet, 5 likes

! cze 2018

ector modelling the possibilities concerning transport model

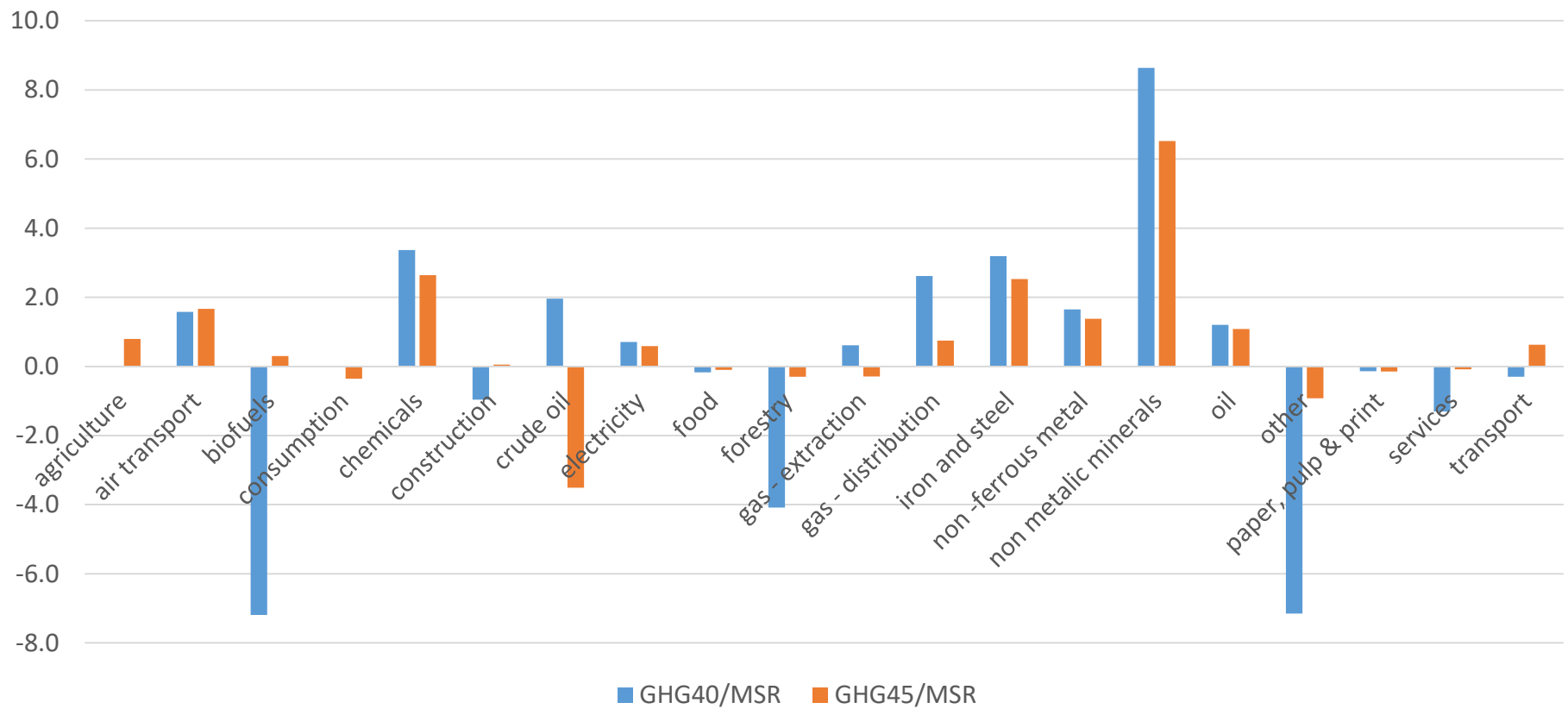
PL #LIFEprogramme KOBIZE #modelling

EXAMPLE: CARBON LEAKAGE – EU/REST OF THE WORLD



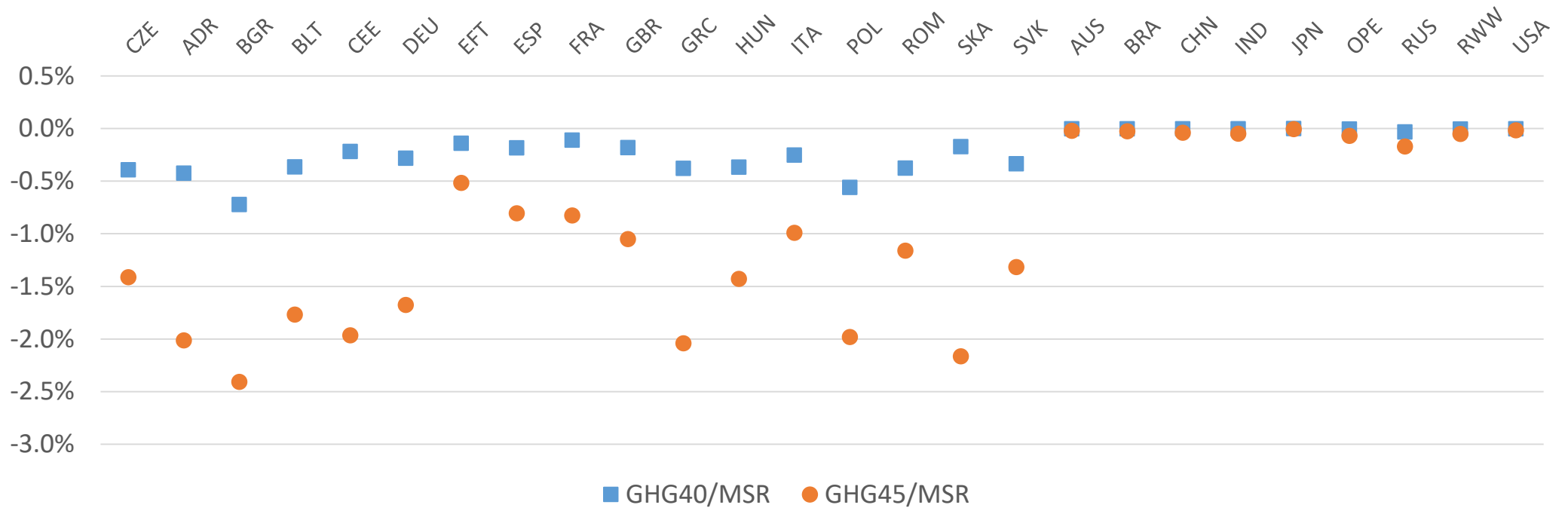
- ▶ Increasing the reduction target in the EU from 40% to 45% and introducing MSR, assuming the non-implementation of NDCs by the rest of the world and no allocation of free allowances in the EU ETS

EXAMPLE: CARBON LEAKAGE - SECTORAL IMPACT



- ▶ Assuming no-technical progress, the highest leakage rates are observed in the energy-intensive industrial sectors, such as non-metallic minerals, iron and steel and chemicals.
- ▶ The leakage rates are similar in scenarios taking into the account MSR and MSR + more stringent GHG emission reduction target.

EXAMPLE: CARBON LEAKAGE – IMPACT ON GDP (2030)



- ▶ Bulgaria, Poland and Adriatic countries are suffered the most.
- ▶ Change in GDP due to the adoption of MSR and more stringent climate policy target is equals to **1.5 %**.