

ABOUT CLIMATE, SDG-S AND THE PARIS AGREEMENT

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CLIMATTERS

NATIONAL UNIVERSITY OF PUBLIC SERVICE
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17 Sustainable Development Goals

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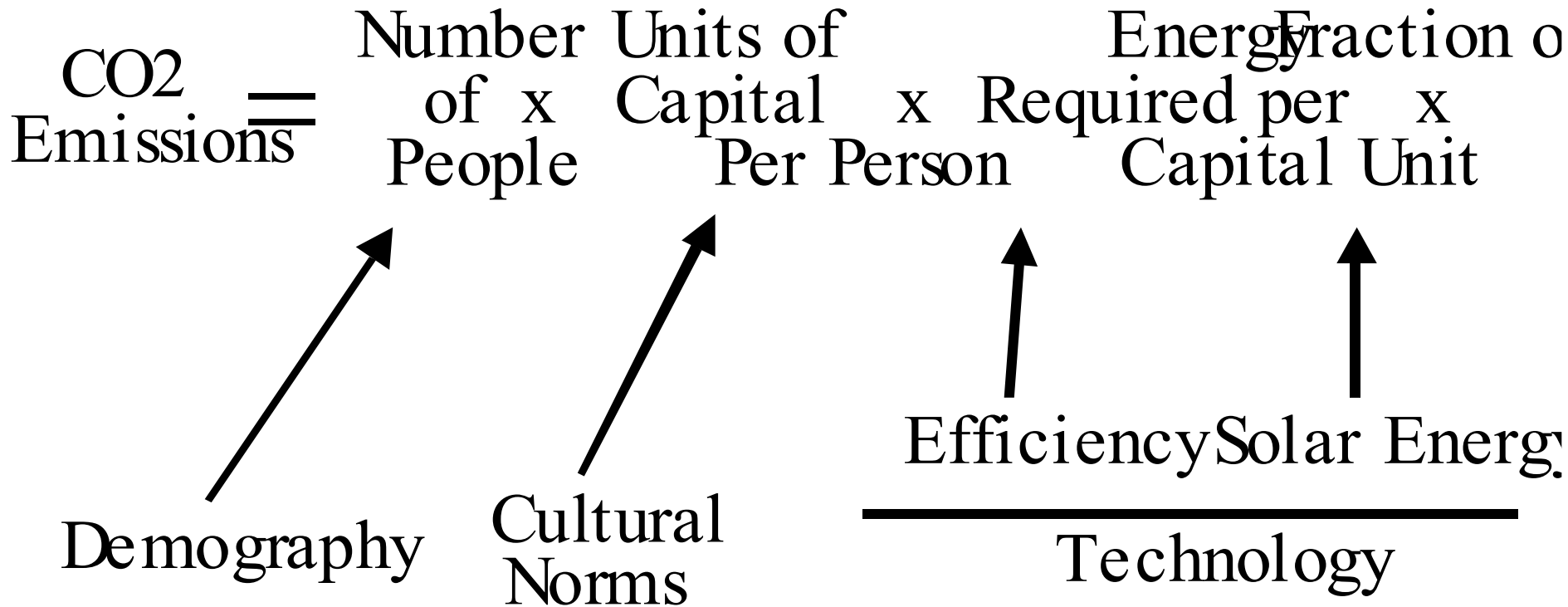
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#GLOBALGOALS



CO₂ emissions are driven by:





MEAs on climate change:

- **UNFCCC:** parties should protect the climate system for the benefit of present and future generations of humankind on the basis of equity and in accordance with their common but differentiated responsibilities and respective capabilities.
- the ultimate objective under the UNFCCC is to stabilize greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system.
- **Rio+20:** significant gap between the aggregate effect of mitigation pledges (...) by 2020 and aggregate emission pathways consistent with (...) holding the increase in global average temperature below 2° C, or 1.5° C above pre-industrial levels.
The global nature of climate change calls for the widest possible cooperation by all countries (in ...) the reduction of global greenhouse gas emissions.

The Sustainable Development Goals

Goal 1. End poverty in all its forms everywhere

Goal 2. End hunger, achieve food security and improved nutrition, and promote sustainable agriculture

Goal 3. Ensure healthy lives and promote well-being for all at all ages

Goal 4. Ensure inclusive and equitable quality education and promote life-long learning opportunities for all

Goal 5. Achieve gender equality and empower all women and girls

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Goal 7. Ensure access to affordable, reliable, sustainable, and modern energy for all

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Goal 10. Reduce inequality within and among countries

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

Goal 12. Ensure sustainable consumption and production patterns

Goal 13. Take urgent action to combat climate change and its impacts*

** Acknowledging that the UNFCCC is the primary international, inter-governmental forum for negotiating the global response to climate change.*

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

Goal 17. Strengthen the means of implementation and revitalize the global partnership for sustainable development



Goal 13. Take urgent action to combat climate change and its impacts *

**Acknowledging that the UNFCCC is the primary international, intergovernmental forum for negotiating the global response to climate change.*

- 13.1 strengthen resilience and adaptive capacity to climate related hazards and natural disasters in all countries
- 13.2 integrate climate change measures into national policies, strategies, and planning
- 13.3 improve education, awareness raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction, and early warning
- 13.a implement the commitment undertaken by developed country Parties to the UNFCCC to a goal of mobilizing jointly USD100 billion annually by 2020 from all sources to address the needs of developing countries in the context of meaningful mitigation actions and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible
- 13.b Promote mechanisms for raising capacities for effective climate change related planning and management, in LDCs, including focusing on women, youth, local and marginalized communities



Actions – more on the adaptation side

13.1 Strengthen **resilience** and adaptive capacity to climate-related **hazards** and natural **disasters** in all countries

13.2 Integrate climate change measures into **national policies, strategies and planning**

13.3 Improve education, awareness-raising and human and **institutional capacity** on climate change mitigation, adaptation, impact reduction and early warning



Means

13.a Implement the commitment undertaken by developed-country parties to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 from all sources to address the needs of developing countries in the context of ***meaningful mitigation actions*** and transparency on implementation and fully operationalize the Green Climate Fund through its capitalization as soon as possible.

13.b Promote mechanisms for ***raising capacity for effective climate change-related planning and management*** in least developed countries and small island developing States, including focusing on women, youth and local and marginalized communities.

Other targets addressing climate change (I.)

- 1.5 by 2030 build the resilience of the poor and those in vulnerable situations, and reduce their exposure and vulnerability to climate-related extreme events (...)**
- 3.d strengthen the capacity of all countries, particularly developing countries, for early warning, risk reduction, and management of national and global health risks**
- 4.7 by 2030 ensure all learners acquire knowledge and skills needed to promote sustainable development, including among others through education for sustainable development and sustainable lifestyles (...)**
- 7.2 increase substantially the share of renewable energy in the global energy mix by 2030**
- 7.3 double the global rate of improvement in energy efficiency by 2030**
- 7.a by 2030 enhance international cooperation to facilitate access to clean energy research and technologies, including renewable energy, energy efficiency, and advanced and cleaner fossil fuel technologies, and promote investment in (...) clean energy technologies**
- 7.b by 2030 expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, particularly LDCs and SIDS**
- 8.4 improve progressively through 2030 global resource efficiency in consumption and production, and endeavour to decouple economic growth from environmental degradation (...)**
- 9.1, 9.a develop quality, reliable, sustainable and resilient infrastructure (...)**
- 9.4 by 2030 upgrade infrastructure and retrofit industries to make them sustainable, with increased resource use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes (...)**
- 11.b by 2020, increase by x% the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, develop and implement in line with the forthcoming Hyogo Framework holistic disaster risk management at all levels**
- 17.14 enhance policy coherence for sustainable development**

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Other targets addressing climate change (II.)

- 2.4 by 2030 ensure sustainable food production systems and implement resilient agricultural practices that (...) strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters, and progressively improve land and soil quality**
- 2.5, 2.a by 2020 maintain genetic diversity of seeds, cultivated plants, farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at national, regional and international levels (...); increase investment, including through enhanced international cooperation, in (...) plant and livestock gene banks (...)**
- 6.6 by 2020 protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes**
- 12.2 by 2030 achieve sustainable management and efficient use of natural resources**
- 14.2 by 2020, sustainably manage and protect marine and coastal ecosystems (...) including by strengthening their resilience, and take action for their restoration,**
- 14.3 minimize and address (...) ocean acidification**
- 15.1 by 2020 ensure conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, (...)**
- 15.2 by 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests, and increase afforestation and reforestation by x% globally**
- 15.3 by 2020, combat desertification, and restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land-degradation neutral world**
- 15.4 by 2030 ensure the conservation of mountain ecosystems, including their biodiversity, (...)**

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**Thus in the original set of SDG-s,
there are altogether
5 + 24 targets
tackling climate change,
directly
or through systems links**

The General Assembly,

Recalling the outcome document of the United Nations Conference on Sustainable Development, entitled “The future we want”, contained in resolution 66/288 of 11 September 2012, which, *inter alia*, resolved to establish an inclusive and transparent intergovernmental process on sustainable development goals open to all stakeholders, with a view to developing global sustainable development goals to be agreed by the General Assembly,

Acknowledges the conclusion of the work of the Open Working Group on sustainable development goals, and *welcomes* its report issued as document A/68/970¹,

***Decides* that the proposal of the Open Working Group on Sustainable Development Goals contained in the report shall be the main basis for integrating sustainable development goals into the post-2015 development agenda, while recognizing that other inputs will also be considered in the intergovernmental negotiation process at the 69th session.**

(New York, 2014. IX. 10.)



Goal 13. Take urgent action to combat climate change and its impacts *

**Acknowledging that the UNFCCC is the primary international, intergovernmental forum for negotiating the global response to climate change.*

- * The asterisk means that this goal is incomplete, and will be finalised by the results of the UNFCCC Conference of the Parties in Paris, December 2015!*



**In the original set of SDG-s, there were altogether
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directly, or through systems links.**

**Can we say that the Paris COP has
added targets, completing SDG 13,
as originally intended by the
UN GA?**



„Targets” from the Paris Agreement:

Actions (I.)

PA 1. Hold the increase in the global average temperature well under 2°C above pre-industrial levels and pursue efforts to limit the temperature increase to 1.5°C

PA 2. Aim to reach global peaking of GHG emissions as soon as possible, and undertake rapid reductions thereafter in accordance with best available science, so as to achieve a balance between anthropogenic emissions by sources and removals by sinks of GHGs in the second half of this century, on the basis of equity, and in the context of sustainable development and eradicating poverty.

PA 3. Increase the ability to adapt to the adverse impacts of climate change, foster climate resilience, and reduce vulnerability, following a country-driven, gender-sensitive, participatory and fully transparent approach, based on and guided by the best available science.



„Targets” from the Paris Agreement:

Actions (II.)

PA 4. Avert, minimise, and address loss and damage associated with the adverse effects of climate change, enhancing understanding, action and support, including through the Warsaw International Mechanism.

PA 5. Co-operate in taking measures to enhance climate change education, training, capacity building, public awareness, public participation, public access to information

PA 6. Set up the expert-based committee established under the Paris Agreement to serve as a mechanism to facilitate the implementation of and compliance with the provisions of the Agreement in a transparent, non-adversarial and non-punitive manner.



„Targets” from the Paris Agreement: *Means of Implementation*

PA i. Make finance flows consistent with a pathway towards low GHG emissions and climate resilient development.

PA. ii. Developed country Parties shall provide financial resources to assist developing country Parties with respect to both mitigation and adaptation; other Parties are encouraged to provide such support voluntarily.

PA iii. Prepare and communicate clearly and transparently nationally determined contributions, and pursue domestic mitigation measures to achieve the objectives of such contributions.

PA iv. Parties may choose to pursue voluntary cooperation in the implementation of their NDCs to allow for higher ambition in mitigation actions.

A crucial question for the implementation of both the SDGs and the PA will be:

Shall we regard the PA as

(A) the last blocks completing the SDG system, and implemented together

or

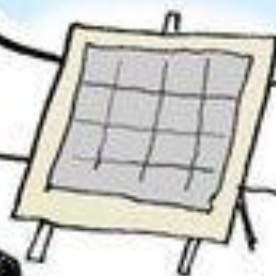
(B) a new accord under UN FCCC?



CLIMATE SUMMIT

WHAT IF IT'S
A BIG HOAX AND
WE CREATE A BETTER
WORLD FOR NOTHING?

- ENERGY INDEPENDENCE
- PRESERVE RAINFORESTS
- SUSTAINABILITY
- GREEN JOBS
- LIVABLE CITIES
- RENEWABLES
- CLEAN WATER, AIR
- HEALTHY CHILDREN
- ETC. ETC.



12/19 USA TODAY

JOEL PITT