

Long-term global goal on climate change mitigation: UNFCCC negotiation towards Paris

パリに向けたUNFCCC交渉：気候変動 に関する緩和長期目標

WMO Tokyo workshop for weather presenters
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UNFCCC Negotiations

1992	UNFCCC adoption
1994	UNFCCC in force
1997 COP3	Kyoto Protocol
2005	Kyoto Protocol in force
2009 COP15	Copenhagen Accord
2010 COP16	Cancun Agreement
2011 COP17	Durban Platform
2012 COP18	Doha
2013 COP19	Warsaw
2014 COP20	Lima



Ad Hoc Working Group on Durban Platform for Enhanced Action (ADP)



ADP

IGES
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WS1. Post-2020 climate regime:
“Protocol, another legal instrument,
or outcome with legal force”

WS2. Pre-2020 ambition:
Increase GHG mitigation ambition pre-
2020

UNFCCC Negotiations 2015

Feb.	Geneva negotiation text
June 1-12	negotiation
July 24	ADP Co-chairs' tool
Aug.31-Sep.4	negotiation
Oct.5	Revised text
Oct.19-23	negotiation
Nov.30- Dec. 11	Paris Agreement "Protocol, another legal instrument, or outcome with legal force"

Ultimate Objective of UNFCCC

...**stabilization of GHG concentrations in the atmosphere** at a level that would prevent dangerous anthropogenic interference with the climate system.

Such a level should be achieved within a time-frame sufficient to:

- **allow ecosystems to adapt naturally to climate change,**
- **ensure that food production is not threatened** and
- **enable economic development to proceed in a sustainable manner.**

Long-term global goal

**Matter of survival
Below 1.5°C or 1°C !
(Small islands,
African Group)**

**Not practical
below 2°C
(Developed
Countries etc.)**

VS

**➔ Limit the GHG emission so as to hold
the global average temperature
increase to **below**
2°C compared to pre-industrial level.**

Review of the LTGG

1. Adequacy of the long-term global goal (LTGG)

**2°C enough?
1.5°C ?**

Are we on track?

2. Progress towards the LTGG, including consideration of commitments under UNFCCC.

Is 2°C adequate?

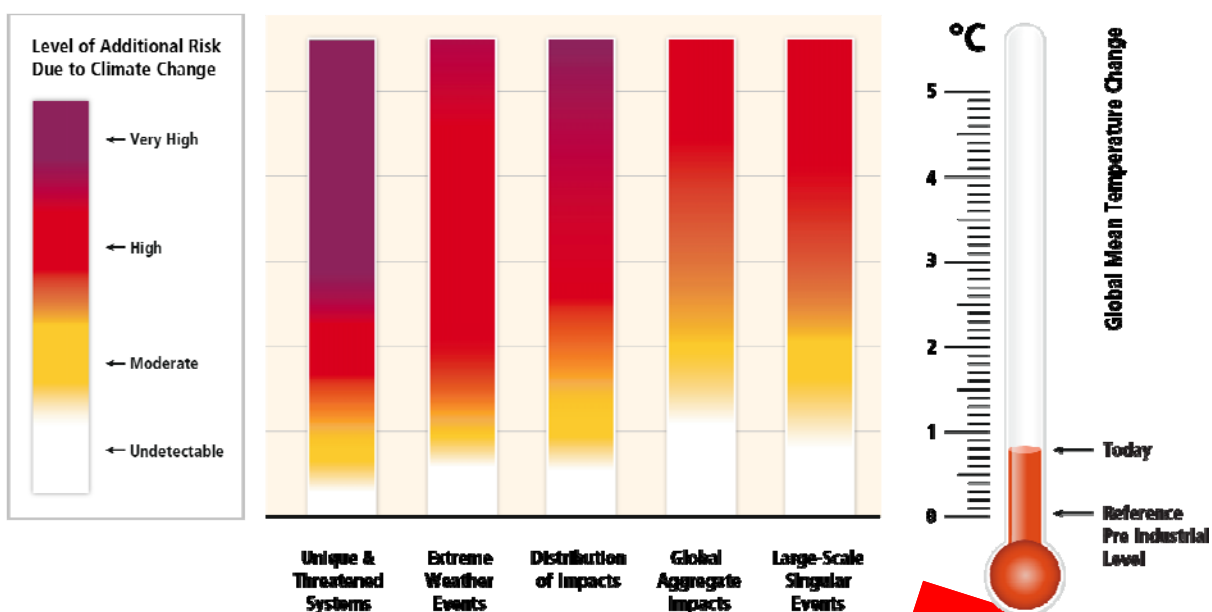
2°C : defense line, not a guard rail

0.85°C increased already.
Climate change impact
already observed.

Defense line: lower the better
More Science needed on 1.5°C

UNFCCC. 2015. 2013-2015 review final report of the Structured Expert Dialogue

Even below 2°C...



Impact already occurring

Are we on track to 2°C ?

On the path to $>4^{\circ}\text{C}$ \uparrow by 2100

With full implementation of submitted **Intended Nationally Determined Contributions (INDCs)**,

$<3-3.5^{\circ}\text{C}$ increase by 2100

Further ambition needed

Source: UNEP Gap Report 2015

Gap to be filled

Current emission level: 52.7 GtCO₂eq.

(GtCO₂eq.)

	INDCs			2C scenario
	Without	Unconditional	+ Conditional	
2025		54	53	48
2030	60	56	54	42

14Gt CO₂eq. gap

Source: UNEP Gap Report 2015

Closing the gap

Immediate action required.

Increase of low carbon energy
40~70% GHG reduction by 2050
compared to 2010

Delayed action leads to higher cost.
2030-2050: unprecedented action
needed.

Source: IPCC. 2014. Fifth Assessment Report. Summary for Policy Makers

Paris: need for ambitious agreement

- **Countries need to increase their actions/ambitions**
- **Need review mechanism to increase country commitments**
- **Need to check the global progress**
- **Need agreement that ensures trust, transparency, and based on science**

Thank you for your attention.

For further readings, please check our website

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