



Ecologic Institute

Science and Policy
for a Sustainable World

A decorative graphic on the left side of the slide. It consists of a large grey triangle pointing right, with a smaller blue triangle pointing right inside it. To the left of these triangles is a word cloud of environmental terms in green and yellow, including 'RENEWABLE', 'CONFERENCE', 'HOPE COP 21', 'RESOURCES', 'PARIS CLIMATE AGREEMENT', 'NATURE', 'FUTURE', 'ENVIRONMENT', 'ENERGY', and 'ECOLOGY'.

The EU on the road to COP26

Dr. Camilla Bausch

6 May 2021

Many consider it the most important COP since 2015



UNFCCC was the starting point ...



Many consider it the most important COP since 2015



01-12 NOV 2021
GLASGOW

COP26

IN PARTNERSHIP WITH ITALY

26th meeting of the
UNFCCC Parties
(**COP26**),
16th meeting of the KP
parties to the (**CMP16**),
3rd meeting of the PA
parties (**CMA3**).

Ultimate objective of the UNFCCC & all related instruments

”

„... stabilization of greenhouse gas concentrations in the atmosphere at a level that would **prevent dangerous anthropogenic interference** with the climate system. ...” (Article 2 UNFCCC)

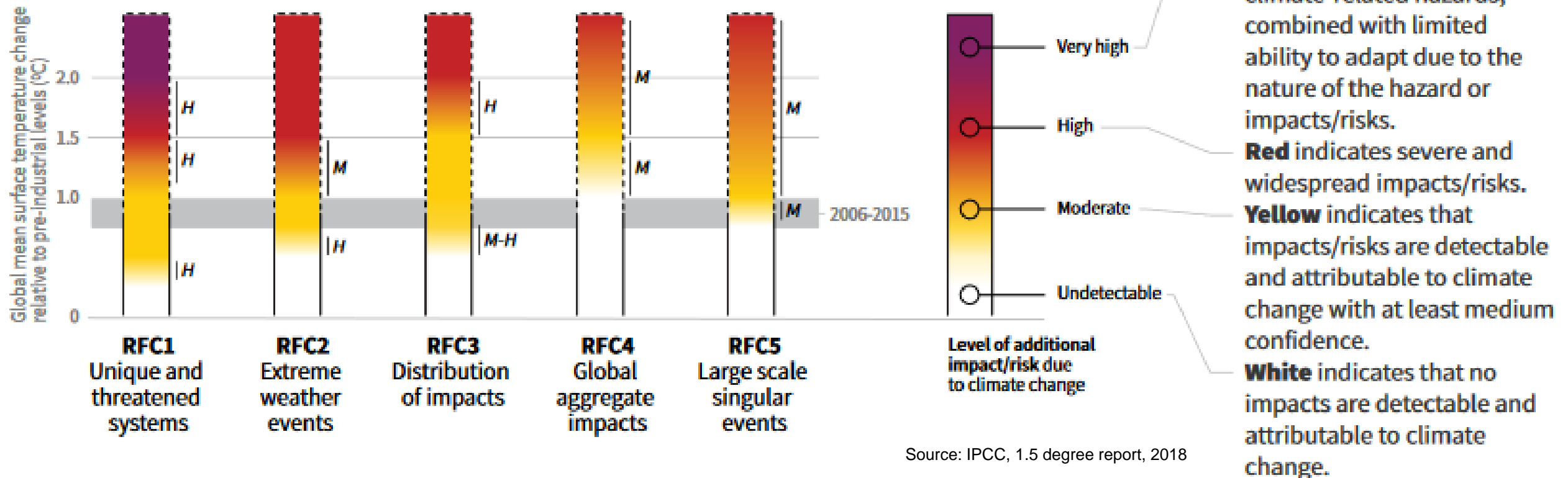
“... holding the increase in the global average temperature to well below 2 °C, ... and pursuing efforts to limit the temperature increase to 1.5 °C” (Article 2 Paris Agreement)



Because ... climate change is dangerous

Five Reasons For Concern (RFCs) illustrate the impacts and risks of different levels of global warming for people, economies and ecosystems across sectors and regions.

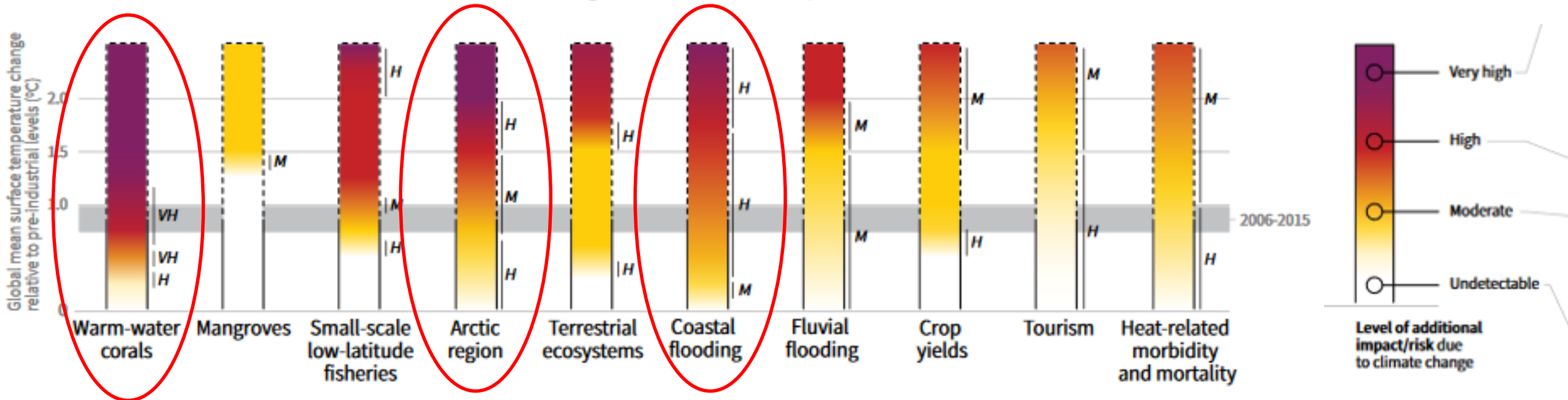
Impacts and risks associated with the Reasons for Concern (RFCs)



... and claim painful losses

Last chance to see...

Impacts and risks for selected natural, managed and human systems

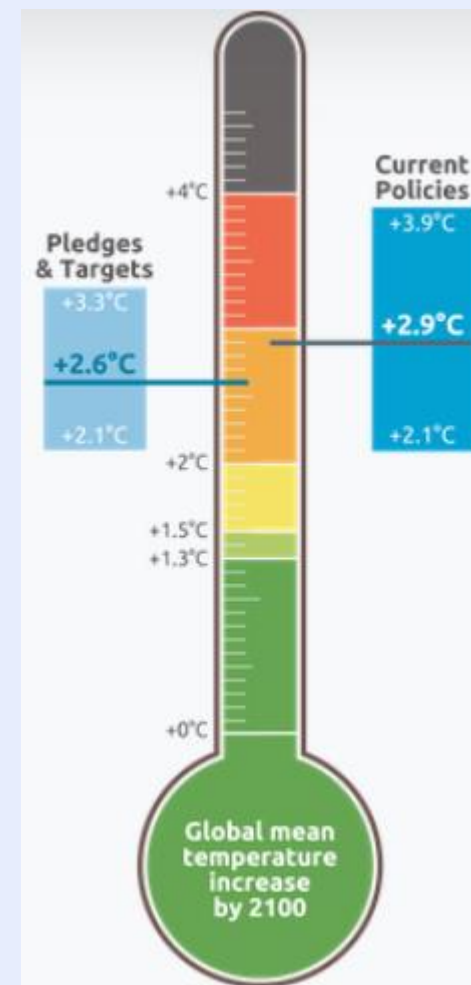


Source: IPCC, 1.5 degree report, 2018

The global community is not on track

NDC synthesis
report by
UNFCCC
Secretariat

UNEP Gap
report

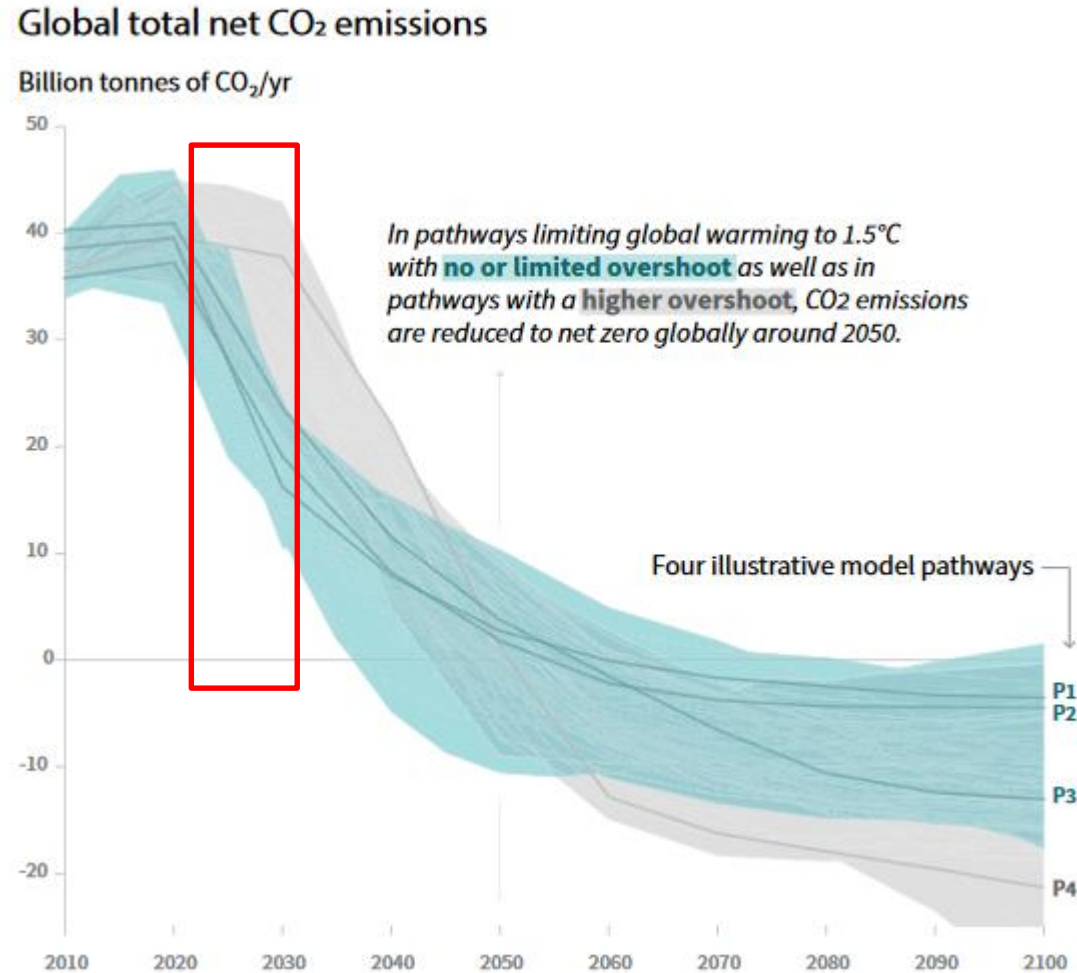


Fatih Birol, IEA: Widening gap betw. political commitments & what is happening in reality with emissions reductions

Climate Action Tracker 2021:
Climate Analytics, New Climate, Ecofys, PIK

We need a decade of ambition & action

Alok Sharma
(UK) – incoming
COP President:
„We must halve
global emissions
by 2030“



IPCC
For 1.5°C: - 45 % CO₂ emissions from 2010 level by 2030 & net zero around 2050.

For 2°C, - 25 % CO₂ emissions from 2010 level by 2030 & reach net zero around 2070.

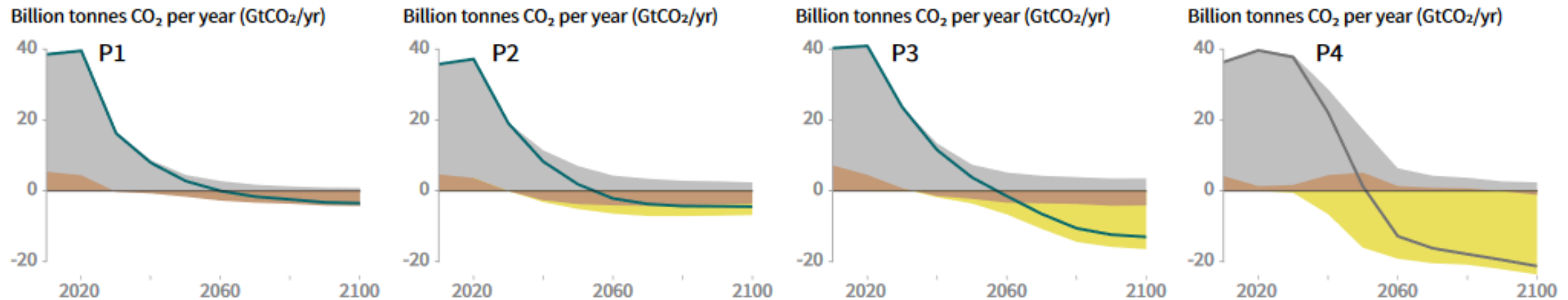
Deep reductions required for non-CO₂ emissions.

Source: IPCC,
1.5 degree
report, 2018

Science underscores: Reducing fossil fuel use is key

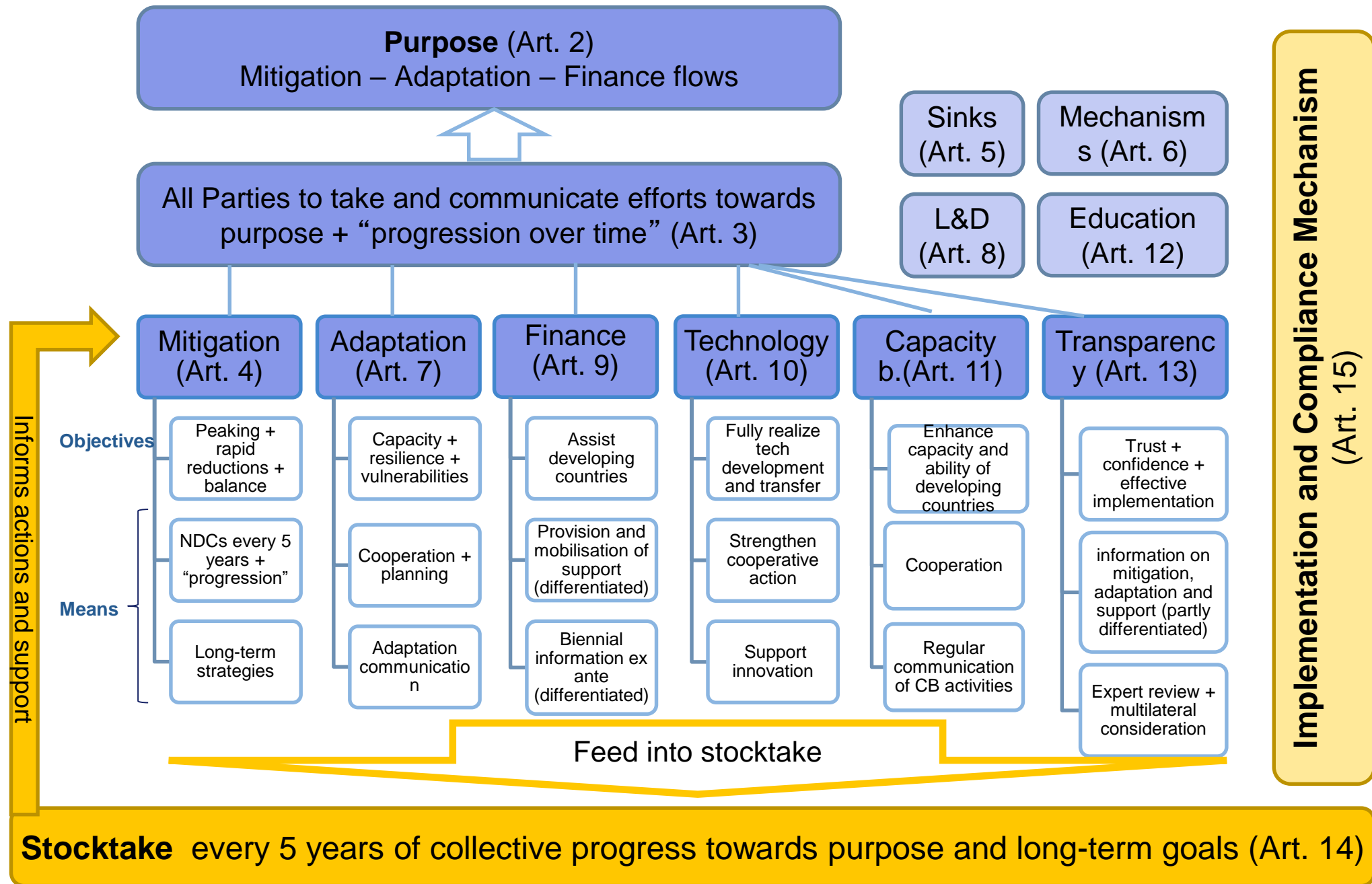
Breakdown of contributions to global net CO₂ emissions in four illustrative model pathways

● Fossil fuel and industry ● AFOLU ● BECCS



AFOLU: Agriculture, Forestry & other Land Use
BECCS: Bio energy CCS

Source: IPCC, 1.5 degree report, 2018



Source: Bodle & Oberthür (2017), in: Klein et al (eds.), The Paris Agreement on Climate Change

4 Goals / key topics on agenda of incoming COP Presidency

Step change in emission reduction commitments:

- address gap between current NDCs & what is required to keep 1.5°C within reach;
- collective commitment to achieving net zero emissions

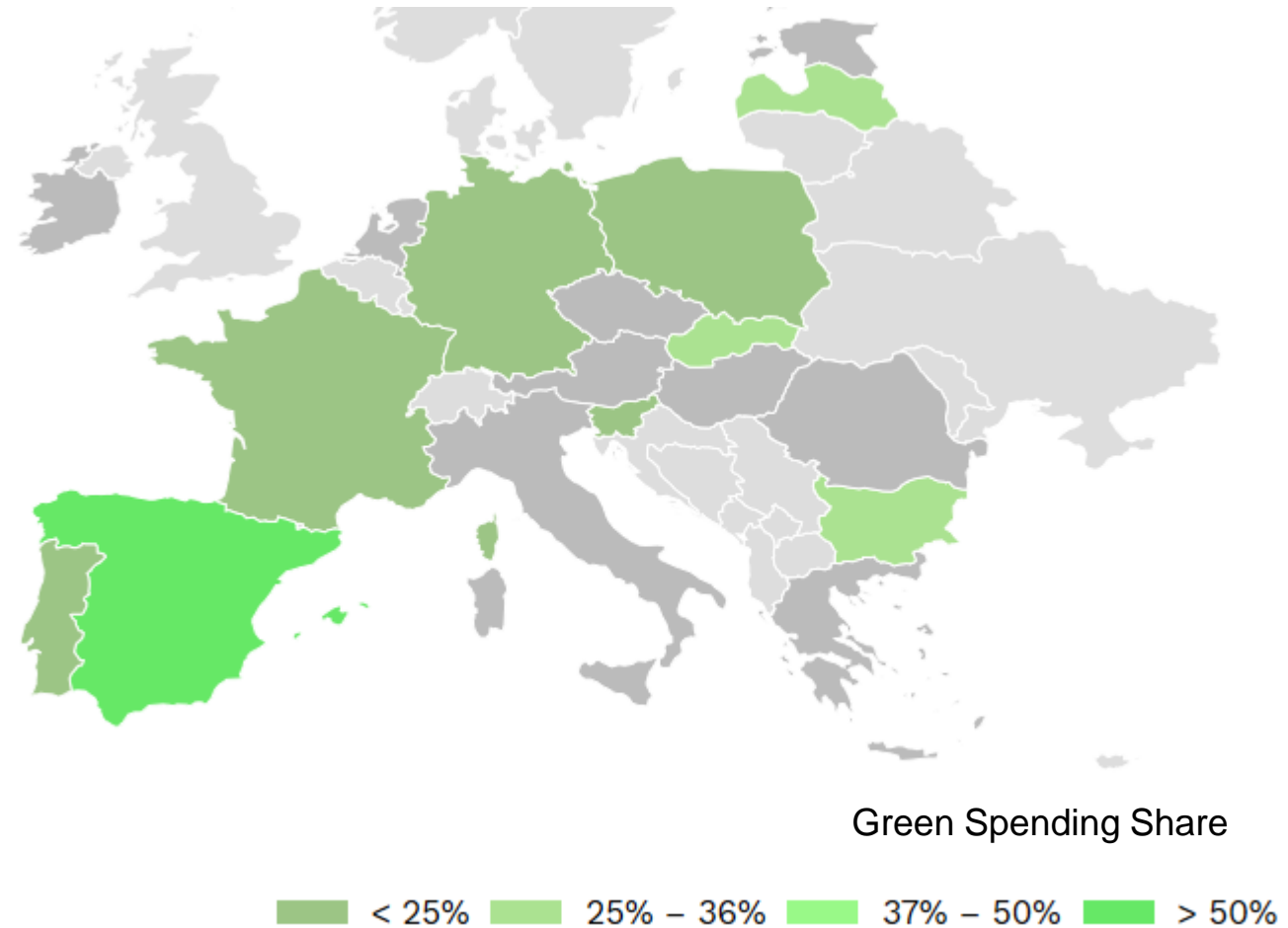
Strengthen adaptation: including significant increase in the scale of adaptation finance

Getting finance flowing for climate action: including delivering on the \$100 billion mobilisation goal and starting talks on the post-2025 goal in earnest

Enhance international collaboration, including for the COP26 campaigns on energy transition, clean road transport and nature

Key: Link it to green recovery

“As part of this UK-Italy Presidency Partnership year, we agree on the need to **build back better** following the impact of COVID-19. ... **green and resilient recovery** that promotes sustainable growth and jobs”



Source: Green
Recovery Tracker

On the way to Glasgow

- **Biden Climate Summit (22 April)**

Upfront: joint US CH statement;
Summit announcement i.a. new
NDC for USA and promises on
financial support...

Today Envi
Minister
meet

Petersberg Climate Dialog (6-7 May)

- **SB52 (31 May – 17 June)**

„build back better
... create greener
& more
prosperous
future“

G7-Summit (UK Presidency, 11-13 June)

- **PreCOP (IT presides, 28 Sept. – 2 Oct)**
- **G20-Summit (Italian Presidency – 30-31 October)**
- **COP26 (UK in partnership w/ IT – 1-12 November)**

„People.Planet.Prosperty.“

UK & Italy:
“We will leverage our G7 and G20 Presidencies
to drive forward the COP26 campaigns.”

USA – John Kerry: Goal for
international community to adopt a
2050 net zero target in Glasgow

U.v.d. Leyen's European Green Deal

„I want Europe to become the first **climate-neutral continent** in the world by 2050. (...)

Our current **goal of reducing our emissions** by 40% by 2030 is not enough.

To make this happen, I will put forward a **Green Deal for Europe** in my first 100 days in office.

I will put forward the **first ever European Climate Law** which will set the 2050 target into law. “

16 July 2019

Updated EU NDC
submitted
December 2020:
55%

In June 2021, EU COM to
present proposals for
implementing the climate targets

April 2021:
Council & EP
reach agreement



Foto: E. Ansotte



Source:
European
Commission

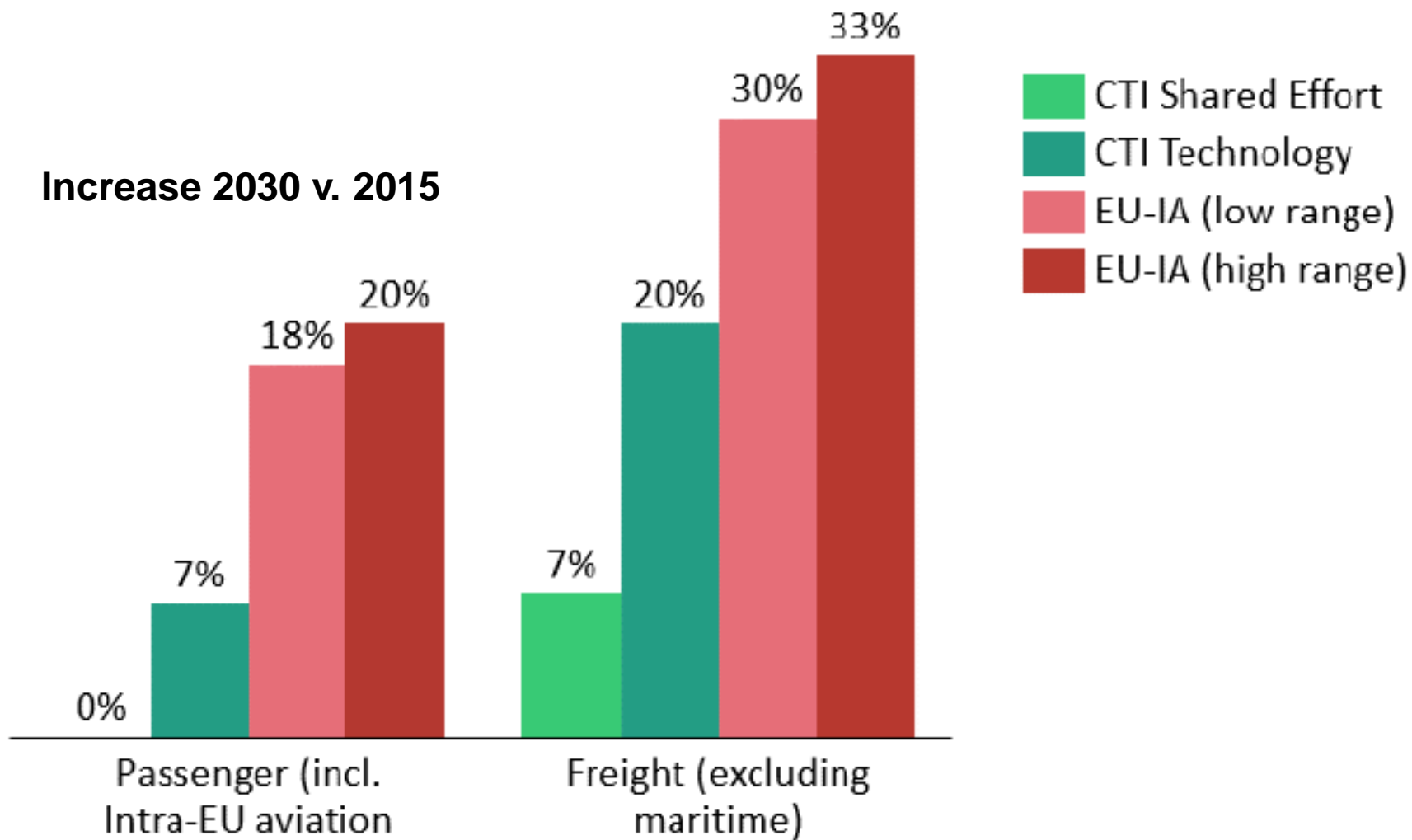
Concrete action? It depends: Sector comparison 2015/2030

	<u>Selected IA scenarios</u>			<u>Selected CTI Scenarios</u>	
<u>Sectors</u>	<u>REG</u>	<u>MIX</u>	<u>CPRICE</u>	<u>55% Technology</u>	<u>55% Shared Effort</u>
Buildings	-63.6% ^a	-62.0% ^a	-61.0% ^a	-22.4% ^b	-25% ^b
Industry ^c	-23% ^g	-23% ^g	-24% ^g	-25.5% ^h	-27% ^h
Power production	-69.6%	-70.8%	-70.4%	-85.5%	-92%
Transport ^d	-17.6%	-16.3%	-15.6%	-46.4%	-37%
Agriculture & Waste	-31.0% ^e	-31.0% ^e	-31.0% ^e	-29.3% ^f	-33% ^f

Source: Climact, Ecologic Institute (2020)

Assumptions on transport demand

Increase 2030 v. 2015



Source: Climact, Ecologic Institute (2020)



Ecologic Institute

Science and Policy
for a Sustainable World

Thank you!

Dr. Camilla Bausch

director@ecologic.eu

@BauschCamilla

Ecologic Institute

Pfalzburger Str. 43/44

10717 Berlin

Germany

Tel. +49 (30) 86880-0

ecologic.eu