

# Lessons learned from abroad

Corinne Le Quéré

Royal Society Research Professor, University of East Anglia, UK

Member, UK Committee on Climate Change (since 2016)

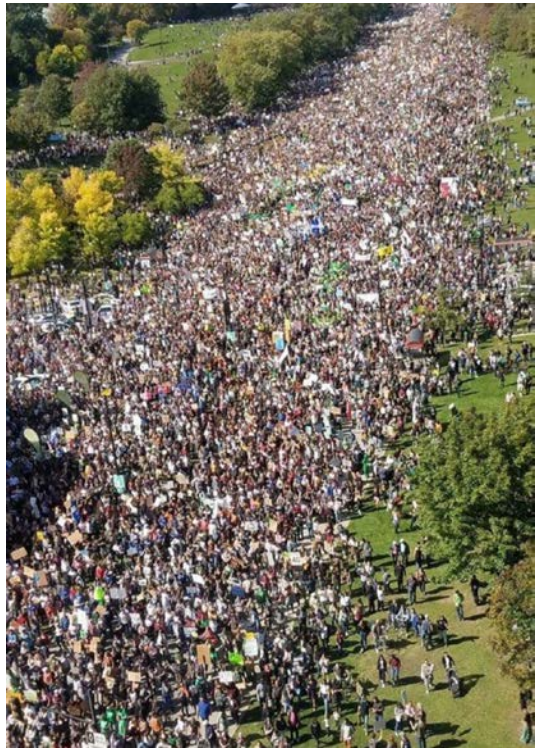
Chair, France Haut conseil pour le climat

# Some context on responding to climate change

One incredible person



Friday school strike for climate & beyond



Extinction Rebellion



Famous people urging for action

but global CO<sub>2</sub> emissions still rising  
(before COVID-19)

37  
Gt/y

1% per year  
2010-2019

37 billion  
tonnes CO<sub>2</sub>  
in 2019

3% per year  
2000-2009

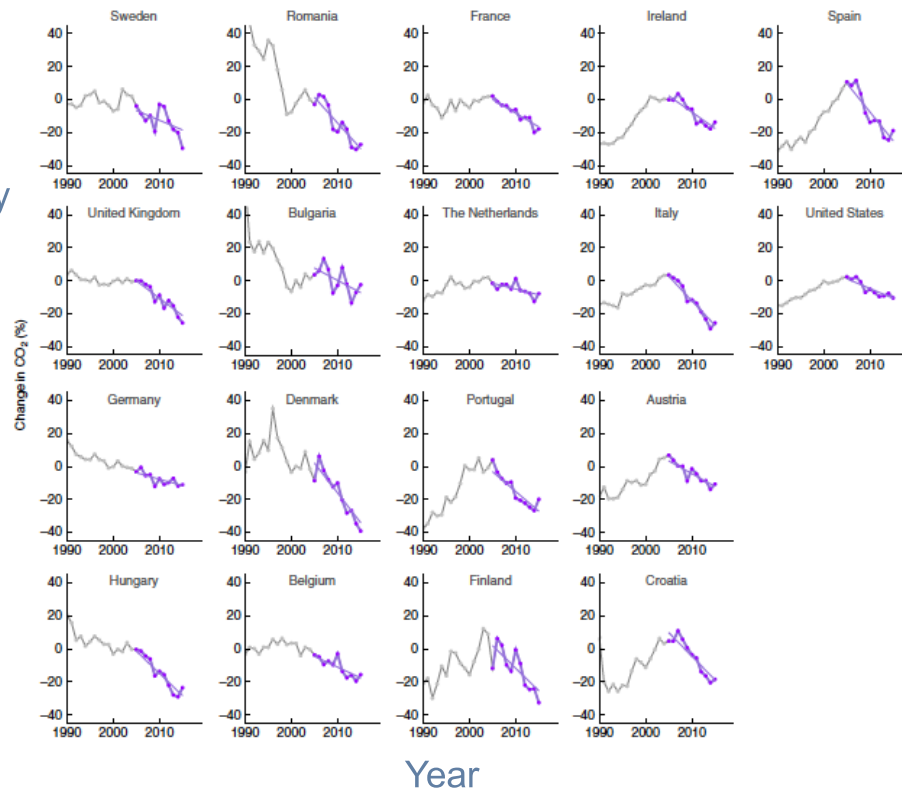
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Photo: Lola Perrin

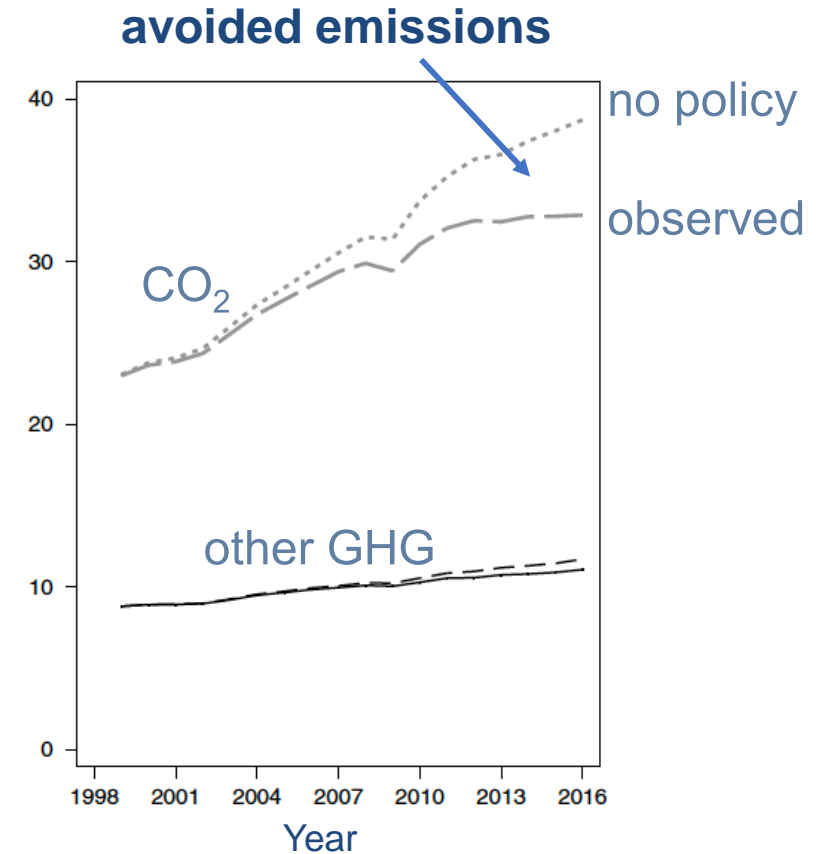
Emissions source: Global Carbon Project; Peters et al. NCC 2019

# National climate policies work, but we need more of them

Change in country CO<sub>2</sub> emissions (percent)



Global emissions (GtCO<sub>2</sub>)



Common factors among countries:

- 1) Use less energy
- 2) Renewables replace fossils
- 3) Lots of policy

Effectiveness of climate policy:

- 1) 1,800 climate policy worldwide
- 2) all countries at least 1 policy
- 3) 5.9 GtCO<sub>2</sub>/yr avoided (mostly CO<sub>2</sub>)



# The UK Climate Change Act 2008



## The Climate Change Act 2008

1	A goal	2050 Emissions Target
2	A pathway	Carbon budgets
3	A toolkit	Requirement that Government brings forward <b>policies</b> to reduce emissions & address climate risks
4	A monitoring framework	<b>Committee on Climate Change and Adaptation-Sub Committee</b> to monitor progress and propose change

### Effective national climate policy framework have:

- A comprehensive framework law to coordinate and advance climate action
- Clear duties and responsibilities
- Multi-year targets (carbon budgets) set well in advance help to define a clear path
- A strong independent body to monitor progress

“10 years of the UK Climate change Act”,

by Sam Fankhauser et al. (2018)

<https://www.lse.ac.uk/granthaminstitute/publication/10-years-climate-change-act/>

# Composition of the CCC



Lord Deben



Baroness  
Brown



Professor  
Piers Forster



Professor  
Keith Bell



Professor  
Nick Chater



Professor  
Corinne Le Quéré



Paul Johnson



Dr Rebecca  
Heaton

Plus ~25 full-time secretariat  
annual budget of £3.5mi (\$CA 6mi)  
funded by the UK government

# The role of the CCC

## Recommend targets

Statutory advice on 2050 target & carbon budgets

## Track progress

Towards targets & in key indicators to meet them

## Adaptation

Advice on National Adaptation Programme

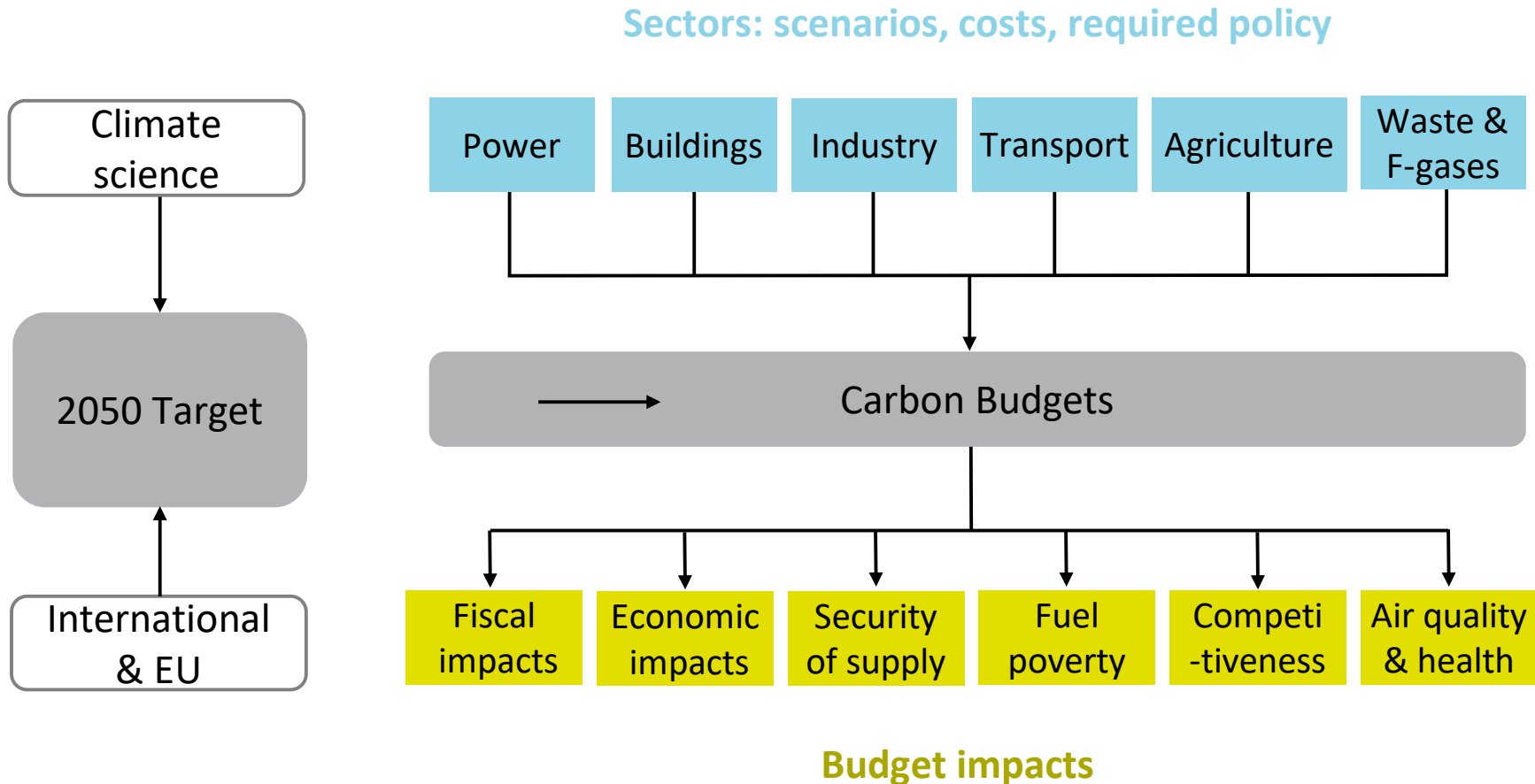
## Independent & evidence-based

- Technical experts, not interest groups
- Own research budget

## Transparent and open

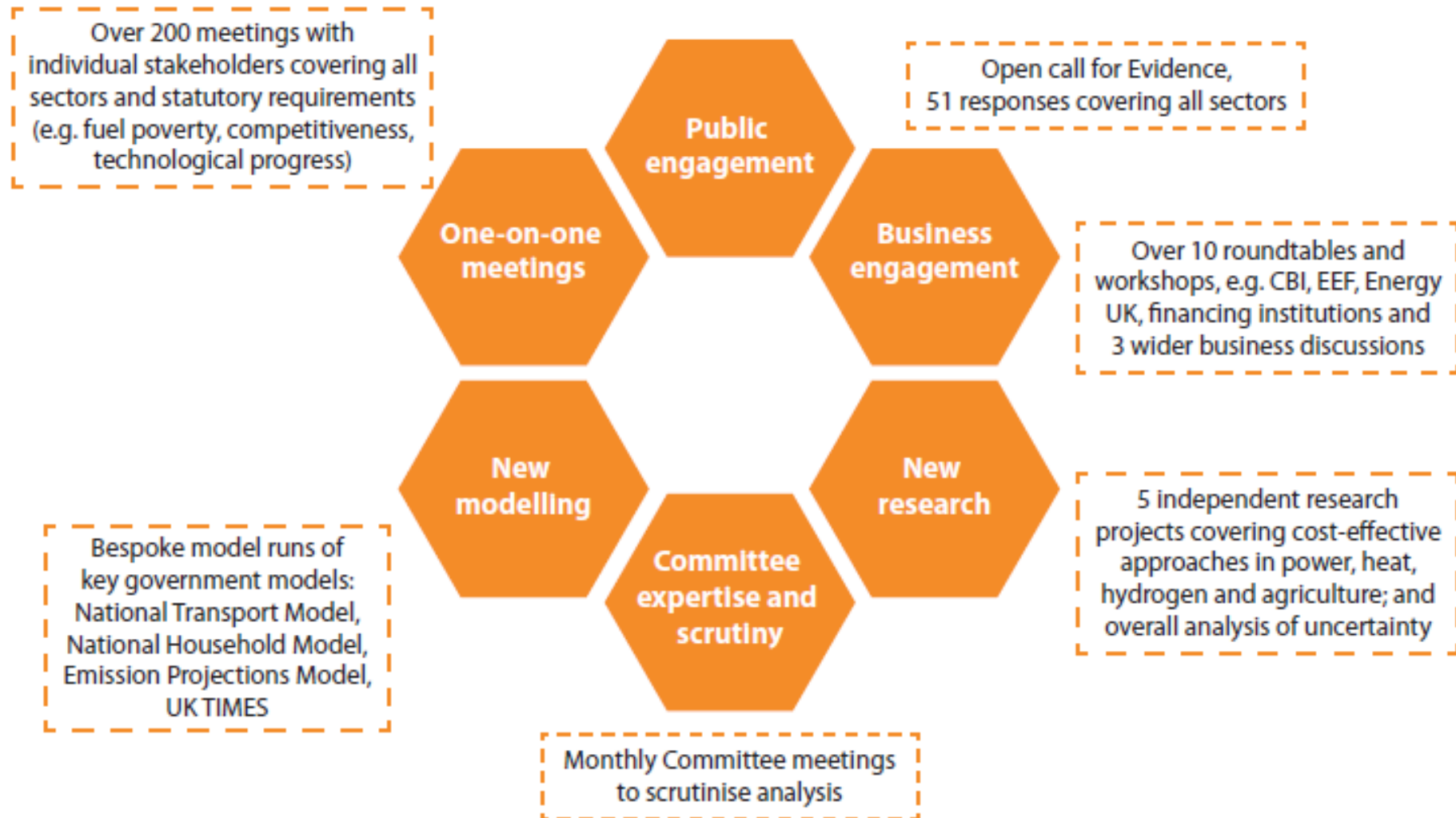
- Reports & analysis made public
- Engage NGOs, business, academics, experts

# 5-year carbon budgets are evidence-based and take into account a range of factors across the economy



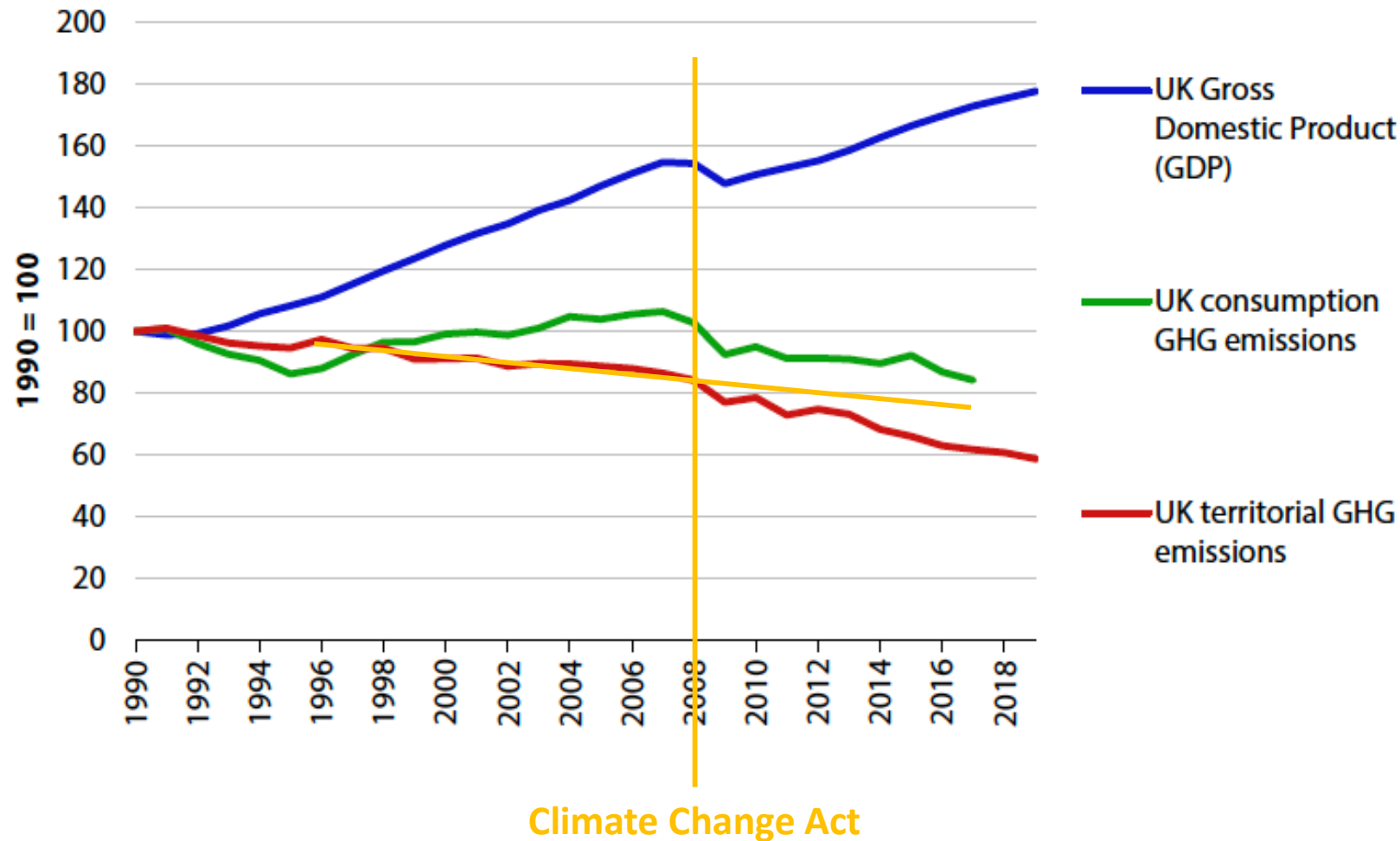


# Example – The 5th carbon budget advice



# Decrease in emissions accelerated since the CC Act 2008

UK GHG emissions have fallen 40% since 1990 while the economy has grown

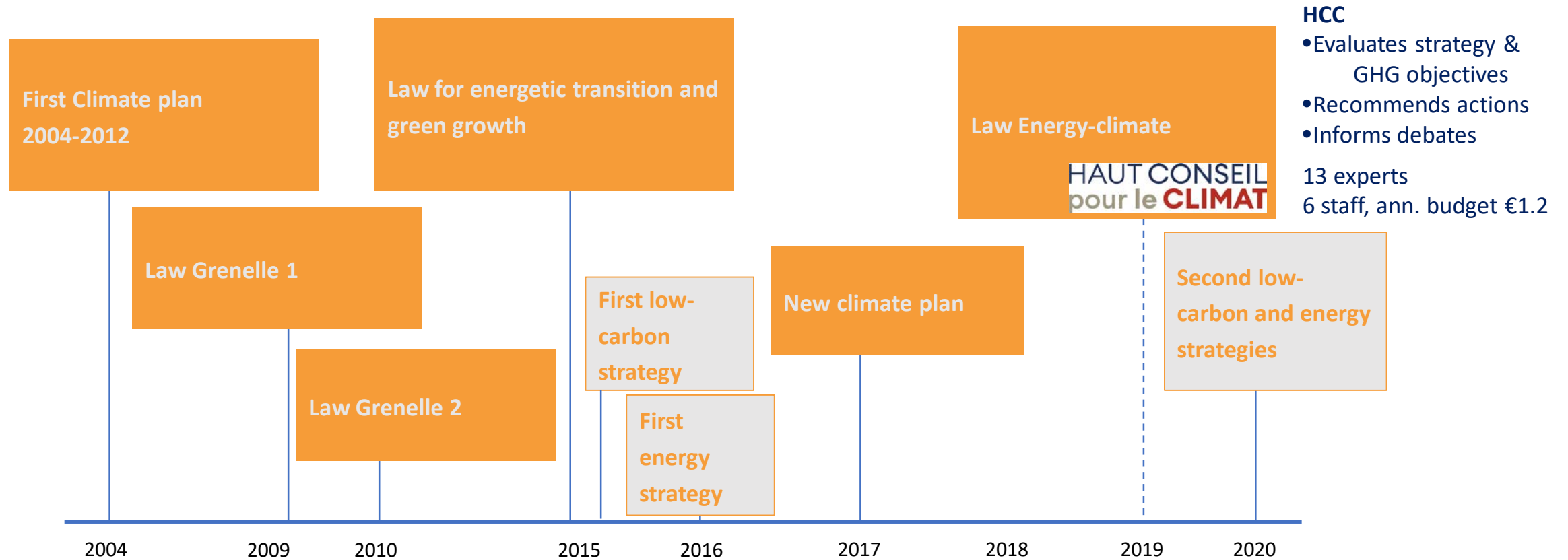


**Led by the power sector, through:**

- a clear direction
- a stable, predictable carbon price
- investable market instruments
- product standards
- enabling measures

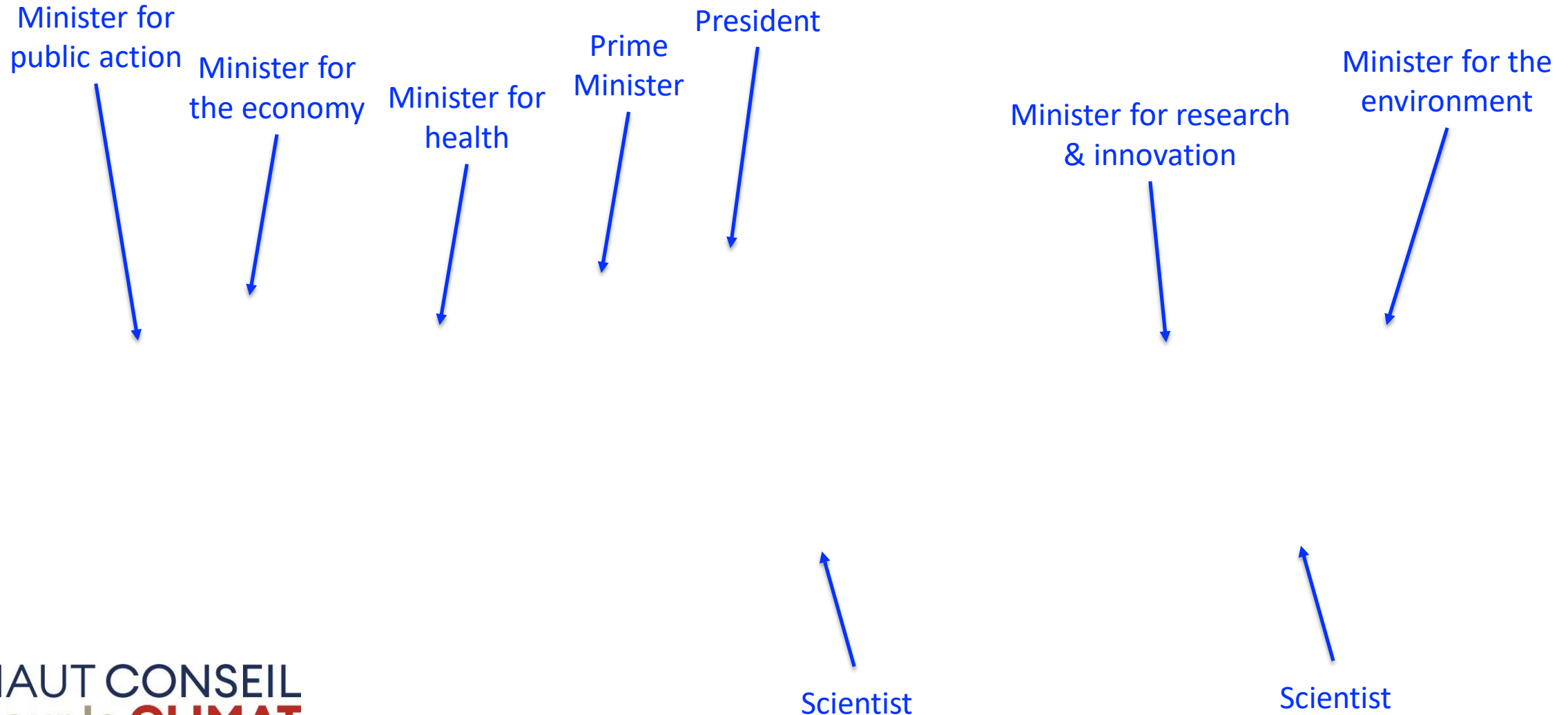


# French climate policy is bottom up and very rich



# The role of national policies

French climate policy carried (more and more) by the central government

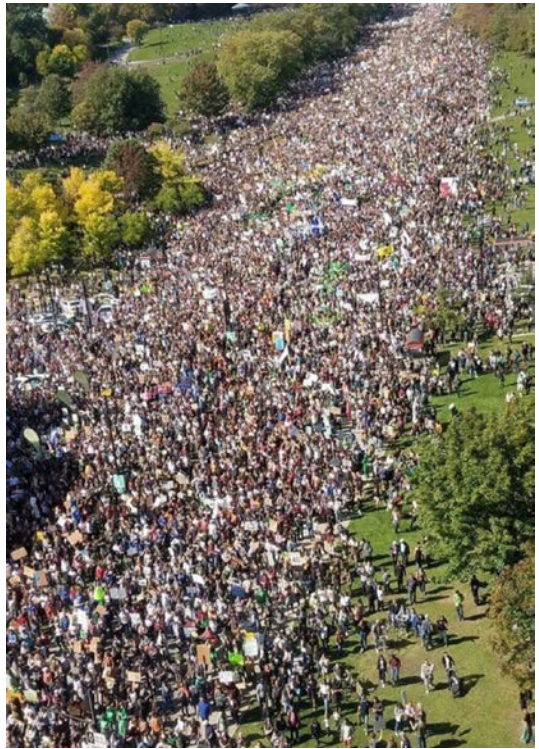


# Some (more) context on responding to climate change

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Extinction Rebellion



Photo: Lola Perrin

Famous people urging for action

France: protests over rise in carbon tax    Equador: protests over fuel subsidies removal



Photo: Jean-François Monier/AFP/Getty Images



Netherlands: protests over farming 'blame'



Photo: Vincent Jannink/AFP/Getty Images

London commuters attack XR over disruptions



# Declarations by world leaders this year

“Put the Green Deal at the heart” says EC President von der Leyen



Source: EC - Audiovisual Service

“It is time to think the unthinkable” says French President Macron



Source: Financial Times @Magali Delporte

## What next

COVID-19 recovery plans to fit within climate limits

Higher country commitments → Paris Agreement

A solid decade of implementation

It's time for a "green revolution", says Chinese President Xi Jinping



@Reuters