



**Australian Government**  
**Climate Change Authority**



# Special Review

## Draft report on future emissions reduction targets for Australia

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29 April 2015

# Special Review

- Minister for Environment requested a Special Review, with three tasks:
  - Draft report on future emissions targets –
    - To inform government decisions due mid-year
  - Draft report on whether Australia should have an emissions trading scheme – by end November
  - Final report recommending action Australia should take to implement outcomes from the Paris Summit – by end June 2016

# Target recommendations

## **2020 TARGET**

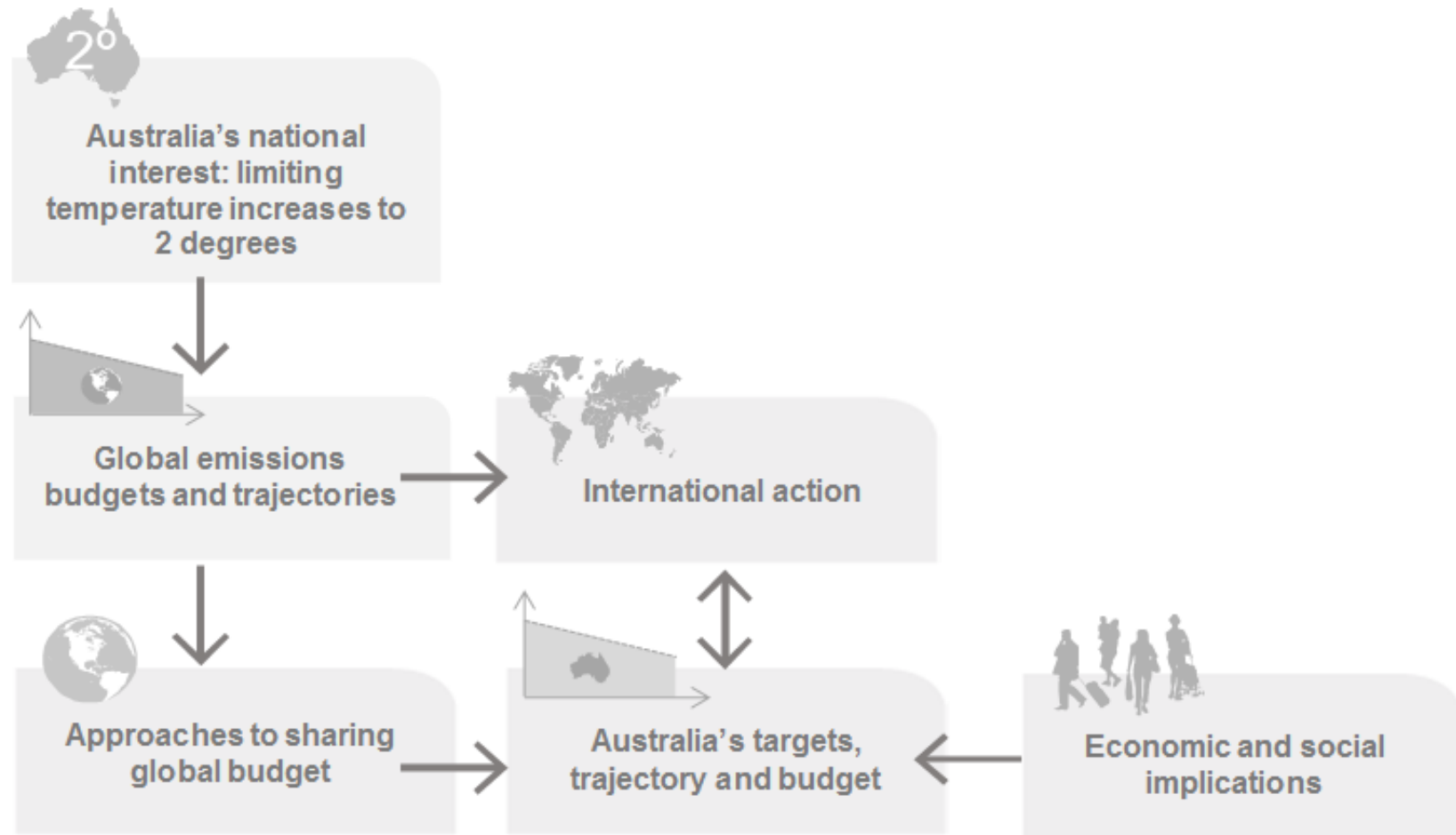
- Australia should go beyond a 5% reduction below 2000 levels.
- The Authority's previous recommendation remains appropriate: 19% by 2020.

## **POST-2020 TARGETS**

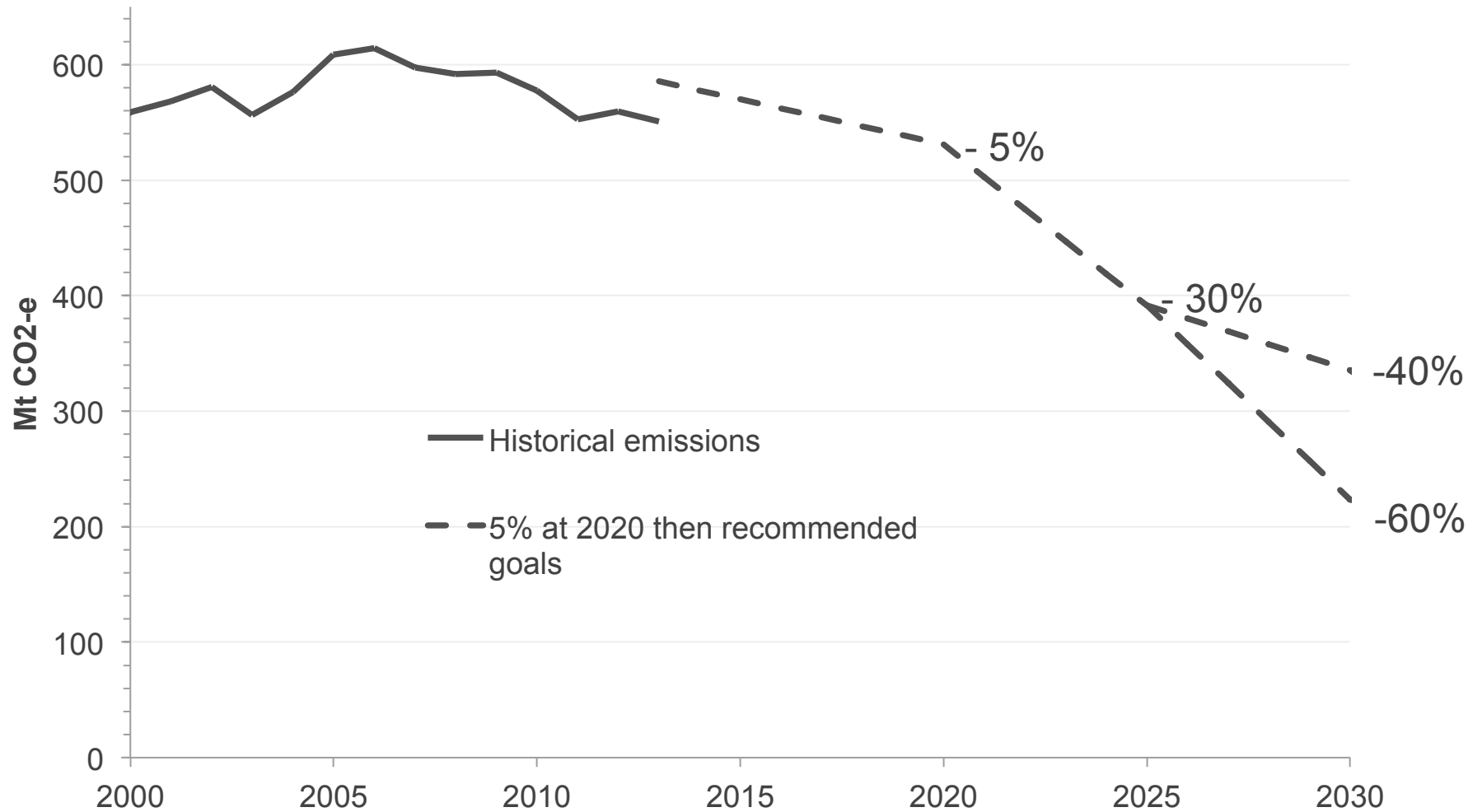
- 30% below 2000 levels by 2025.
- 40-60% below 2000 levels by 2030.



# Key considerations for setting targets



# 2025 target: 30 per cent below 2000



Source: Historical greenhouse gas emissions: (DoE, 2015).



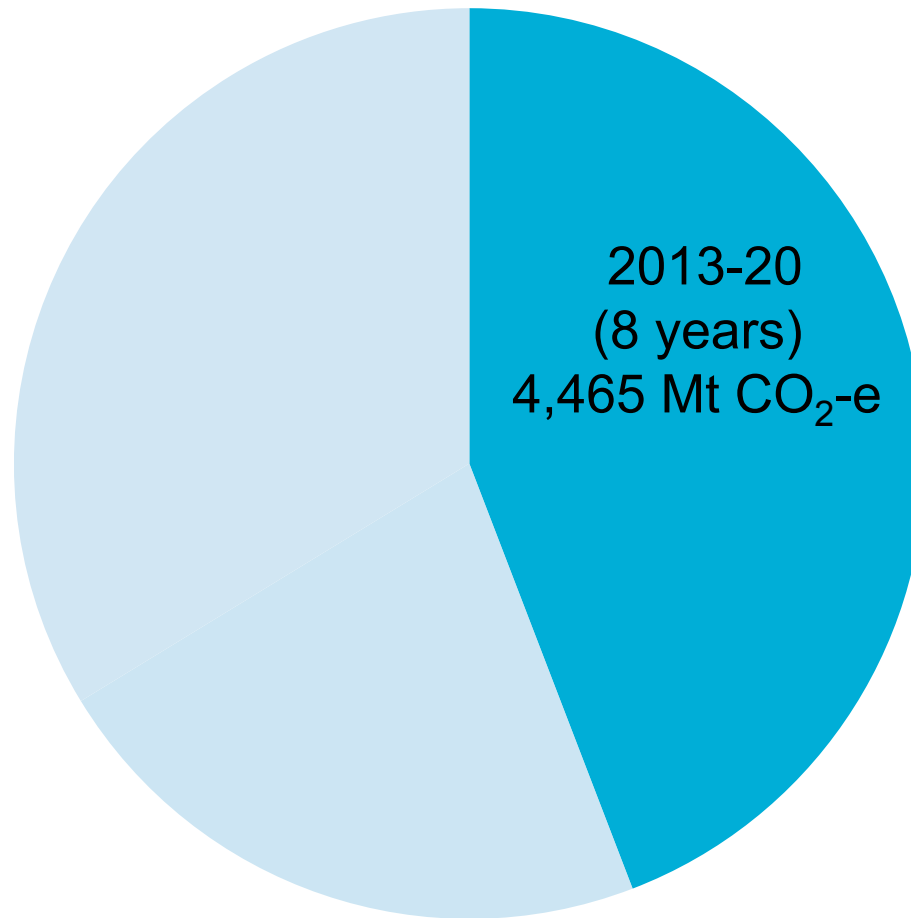
# Budget usage



Source: Draft report Figure 8



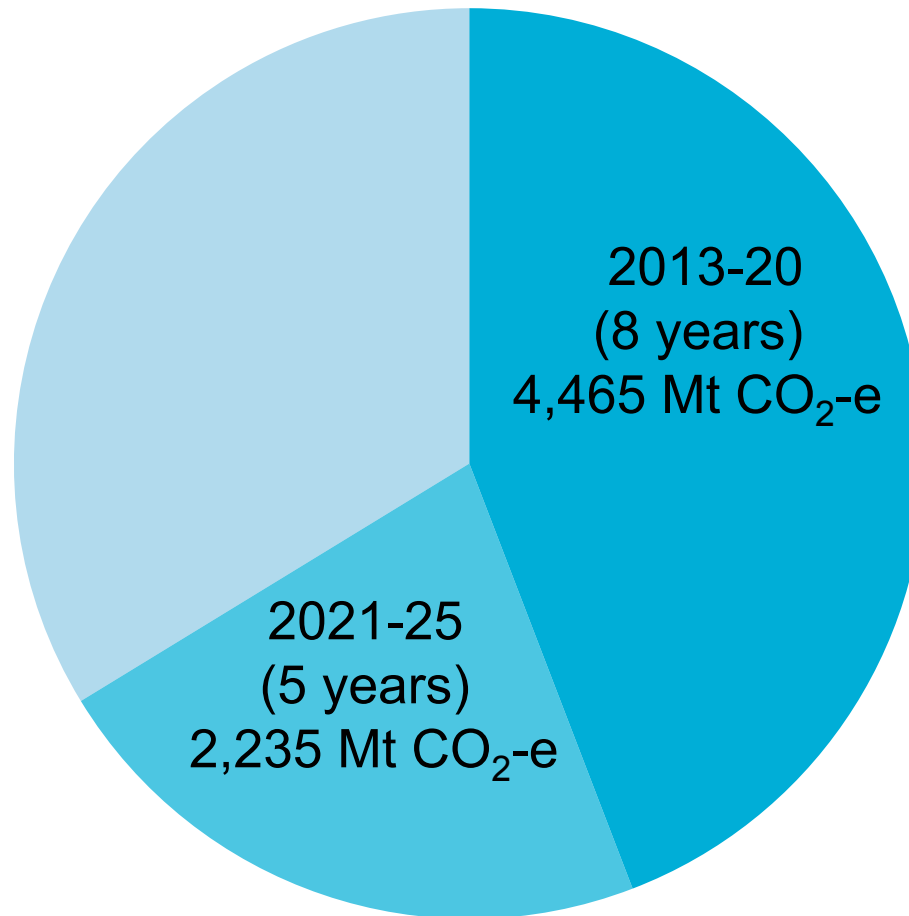
# Budget usage



Source: Draft report Figure 8



# Budget usage

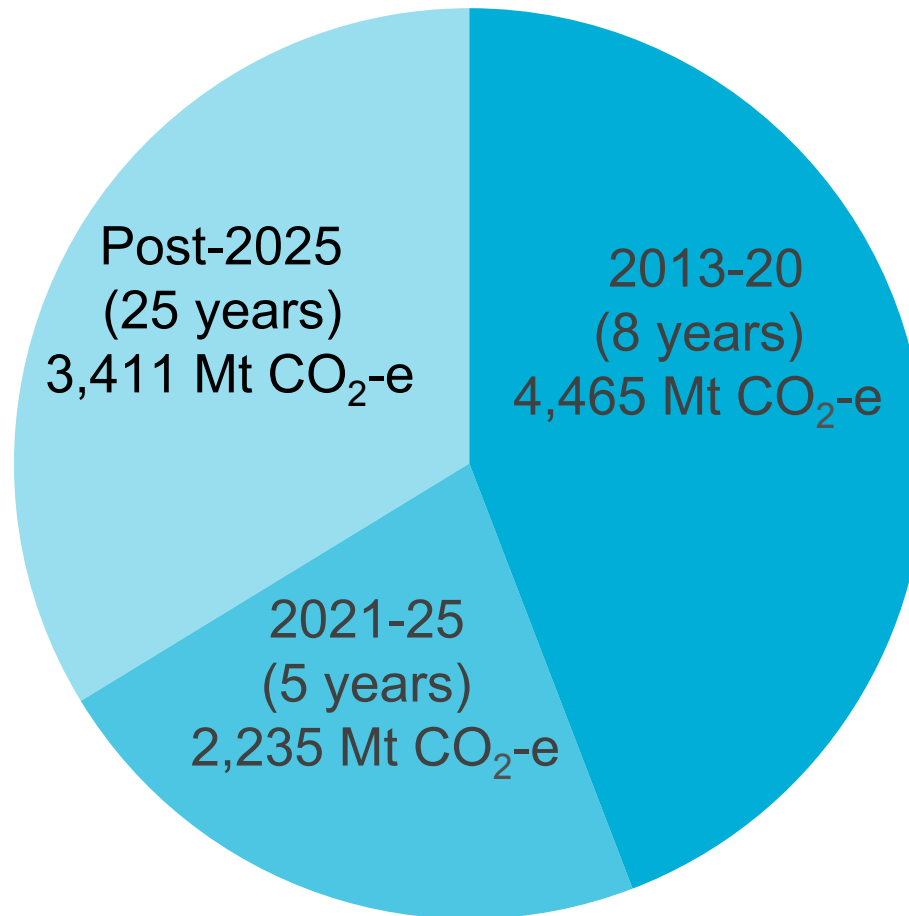


Source: Draft report Figure 8





# Budget usage



Source: Draft report Figure 8

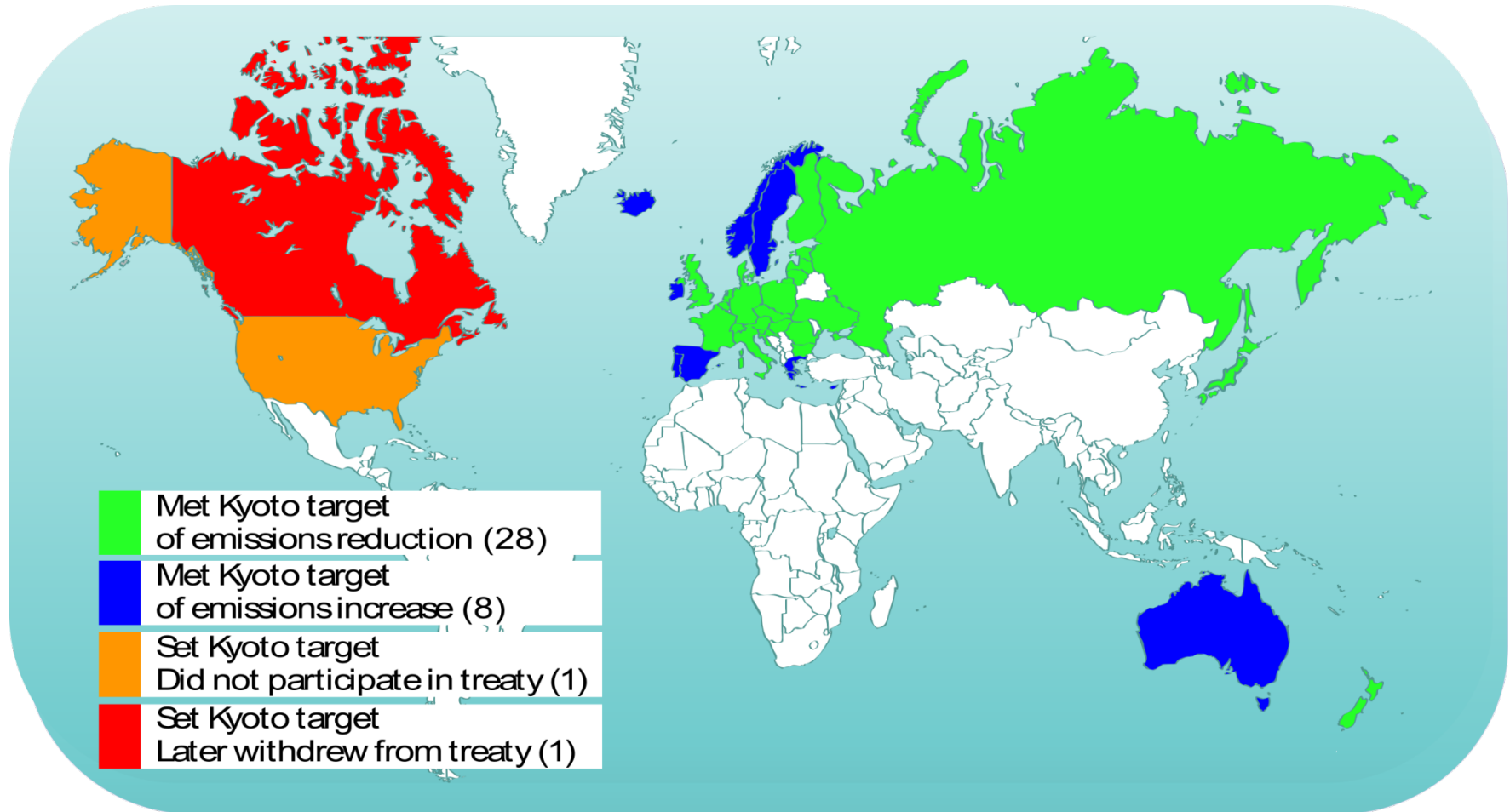


# Post-2020 targets announced to date

Country	Target
China	Peak CO <sub>2</sub> emissions around 2030
United States	26 to 28% below 2005 by 2025
European Union	At least 40% below 1990 by 2030
Germany	55% below 1990 by 2030
Norway	At least 40% below 1990 by 2030
Switzerland	50% below 1990 by 2030
United Kingdom	50% below 1990 over 2023-27
Mexico	25% below baseline by 2030
Gabon	25% below baseline by 2025
Russia	25% below 1990 by 2030



# Countries have met their targets



Source: Draft report Figure 1



# United States' climate action

- 2025 target of 26-28 per cent below 2005 levels
  - Approximately doubles rate of reductions compared to the 2020 target
- President's Climate Plan
  - Clean Air Act to limit emissions from new and existing coal fired power stations
  - Vehicle standards
  - Tax credits for renewable energy and electric vehicles
- State action
  - Emissions trading schemes in 10 states
  - Renewable energy mandates in most states



# China's climate action

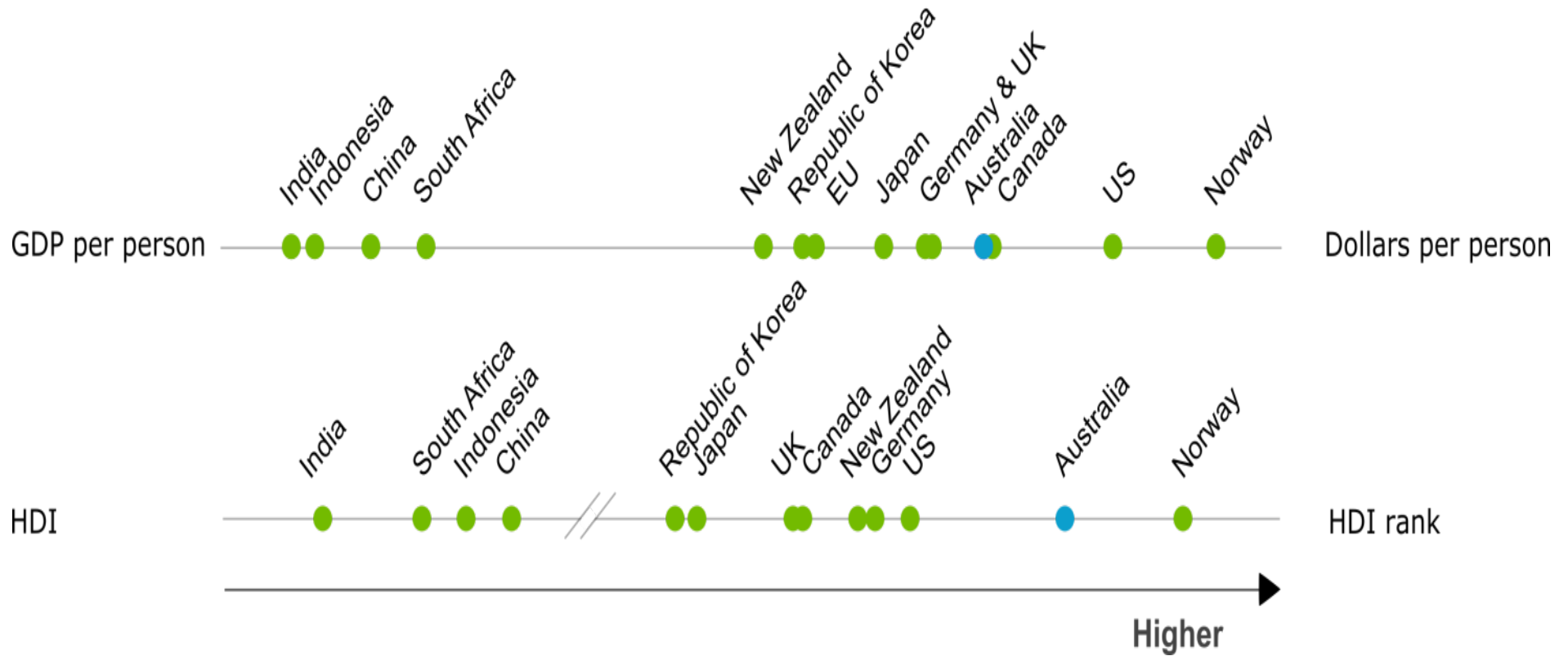
- CO<sub>2</sub> emissions peak around 2030
- Goal to increase the share of non-fossil fuel energy to 20 per cent by 2030
- Relevant policies include:
  - Renewable energy mandates
  - Major expansion of renewable power generation
  - Planned national ETS scheme (7 regional pilots)
  - Mandatory closure of inefficient coal plants
  - Caps on total energy consumption and on coal

# India's climate action

- Post-2020 pledge expected by September
- National Action Plan on Climate Change
- Target for renewable energy capacity:
  - Total: 175 GW by 2022
  - Solar: 100 GW
  - Wind: 60 GW
  - Small-scale hydro: 5 GW
- Energy efficiency target, supported by a baseline and credit trading scheme.



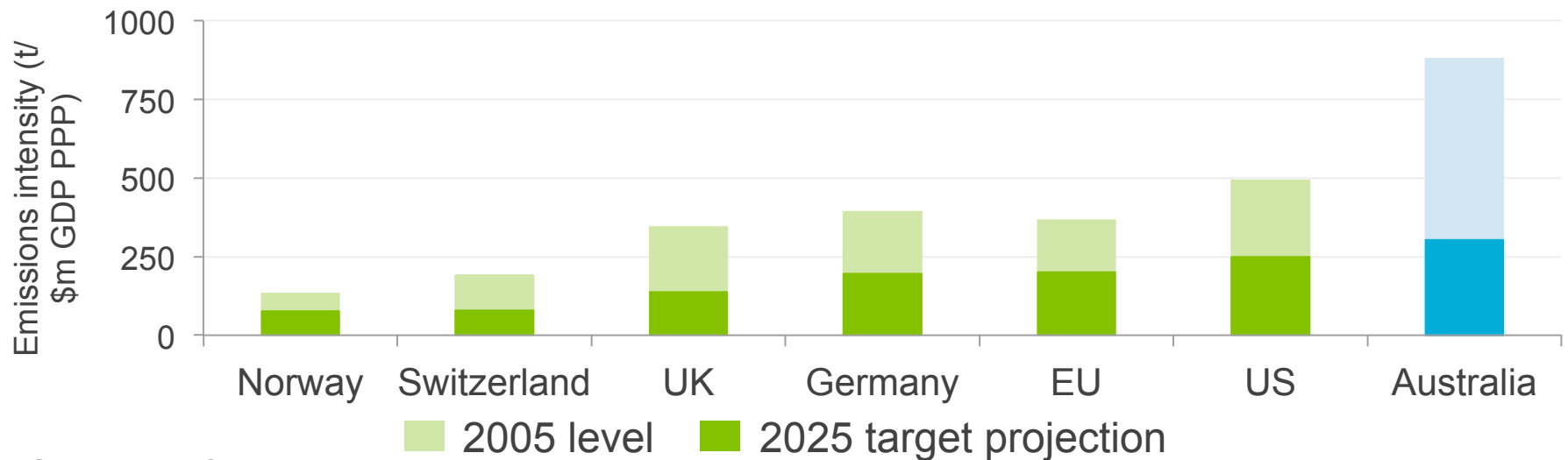
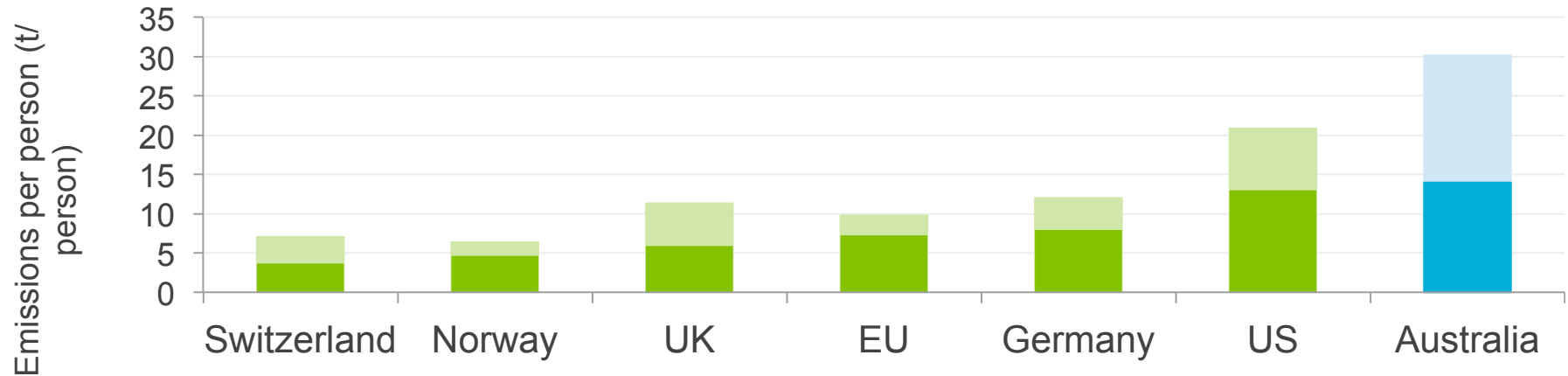
# Capacity to reduce emissions



Source: Draft report Figure 2



# Comparing responsibility

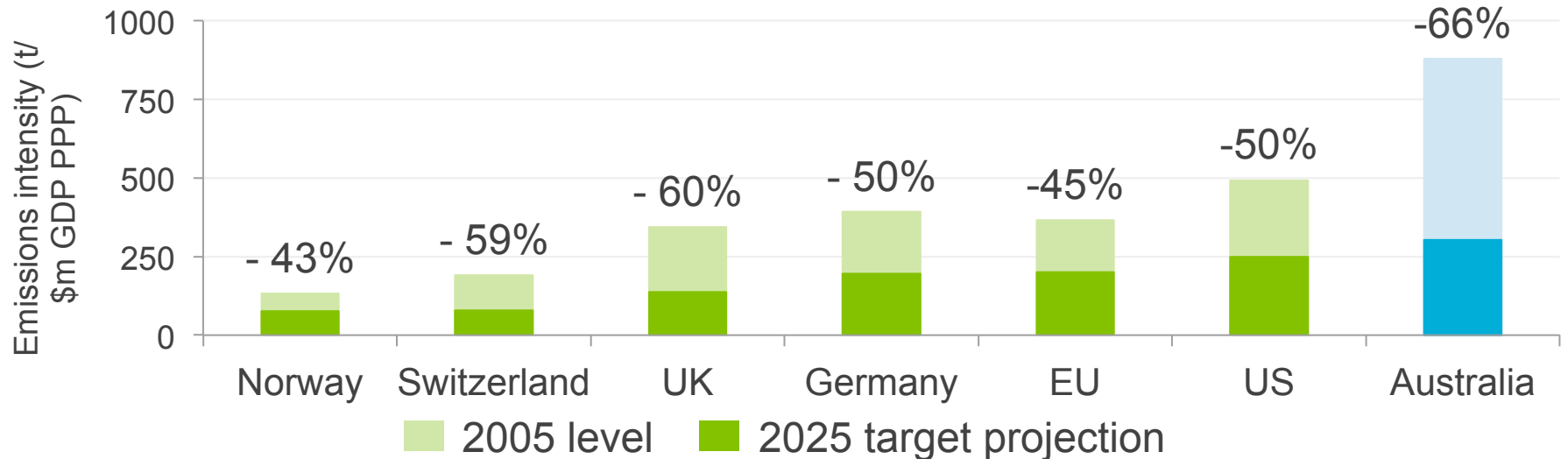
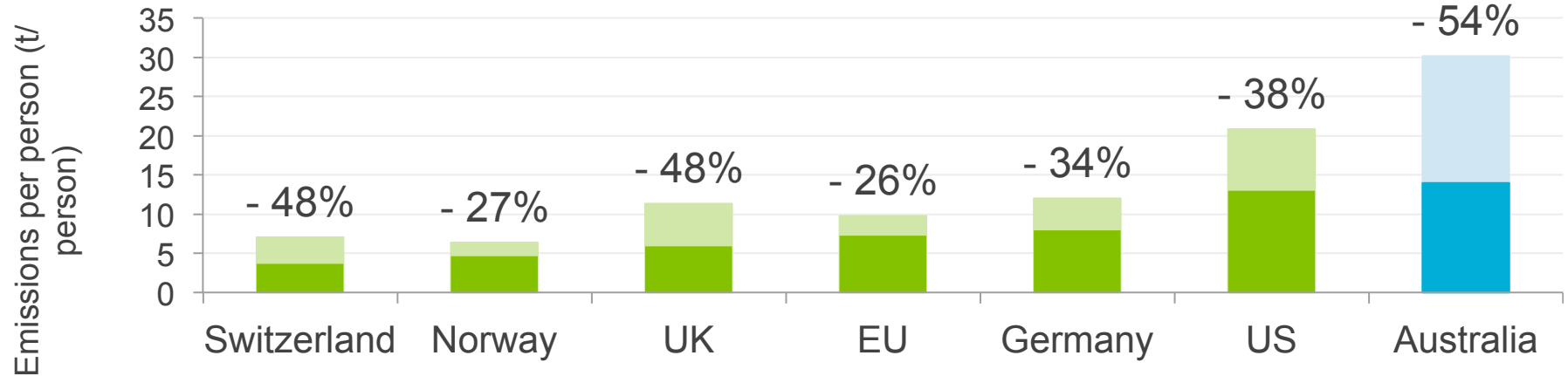


Source: Draft report Figure 3





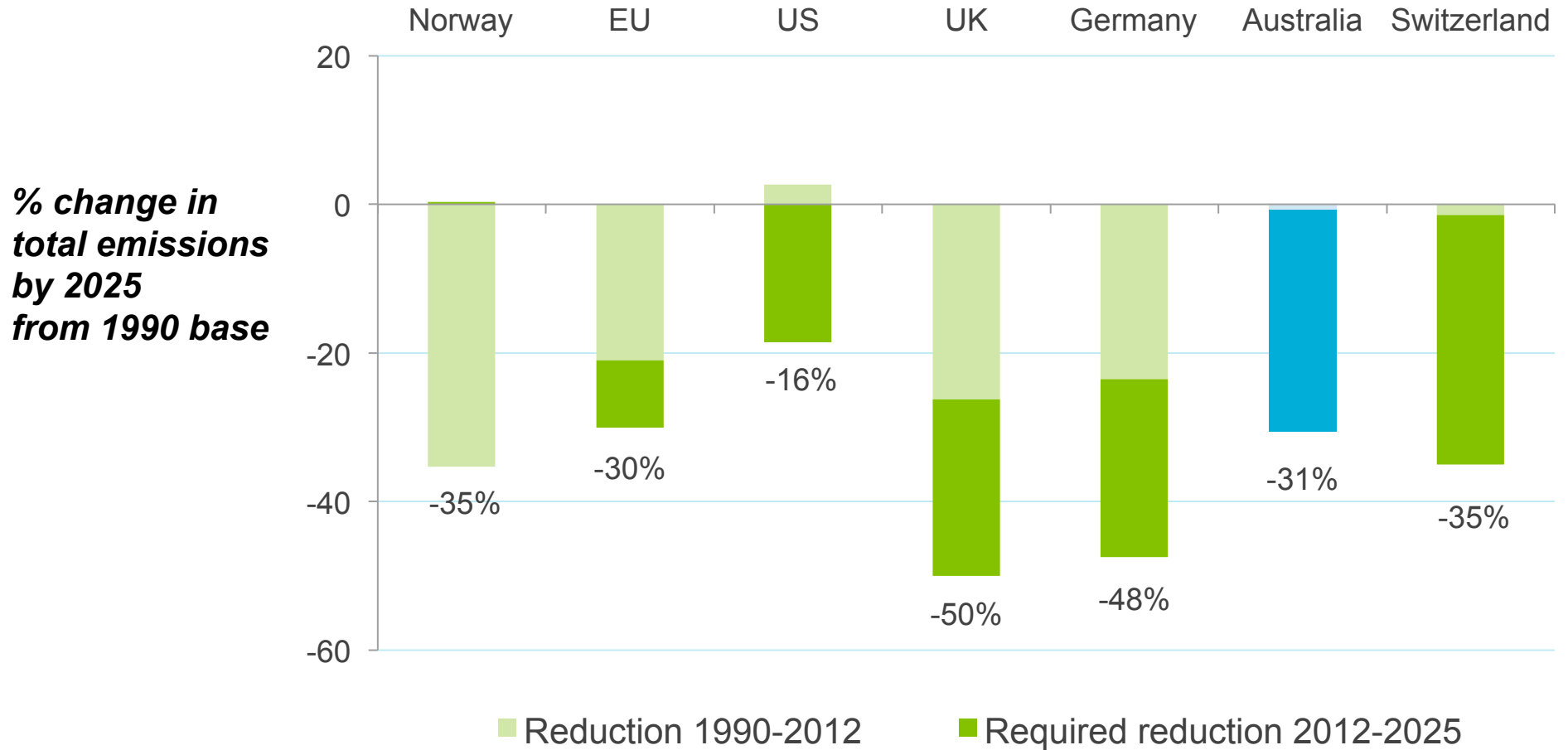
# Comparing responsibility and effort



Source: Draft report Figure 3



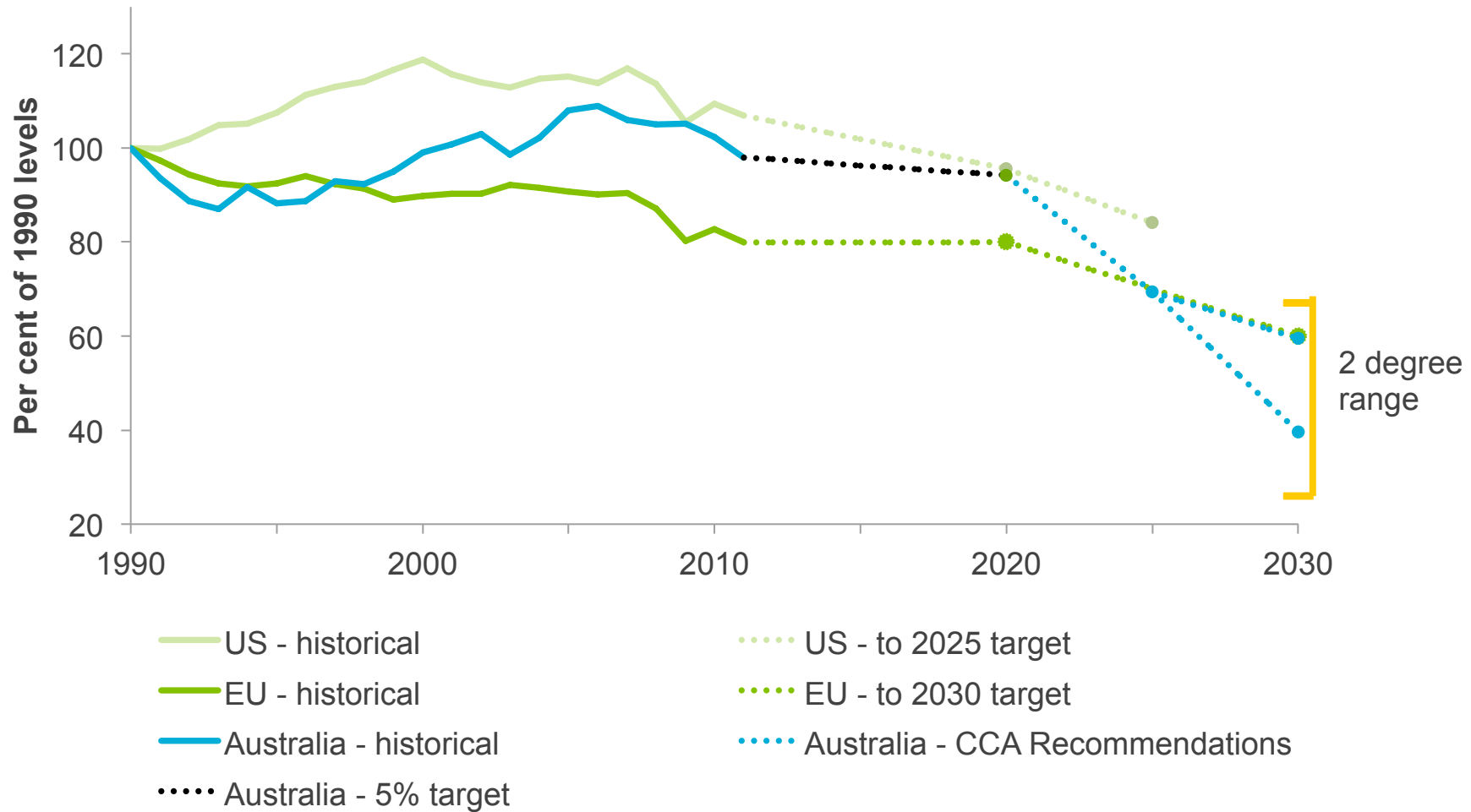
# Comparing reductions over time



Source: Draft report Figure 6



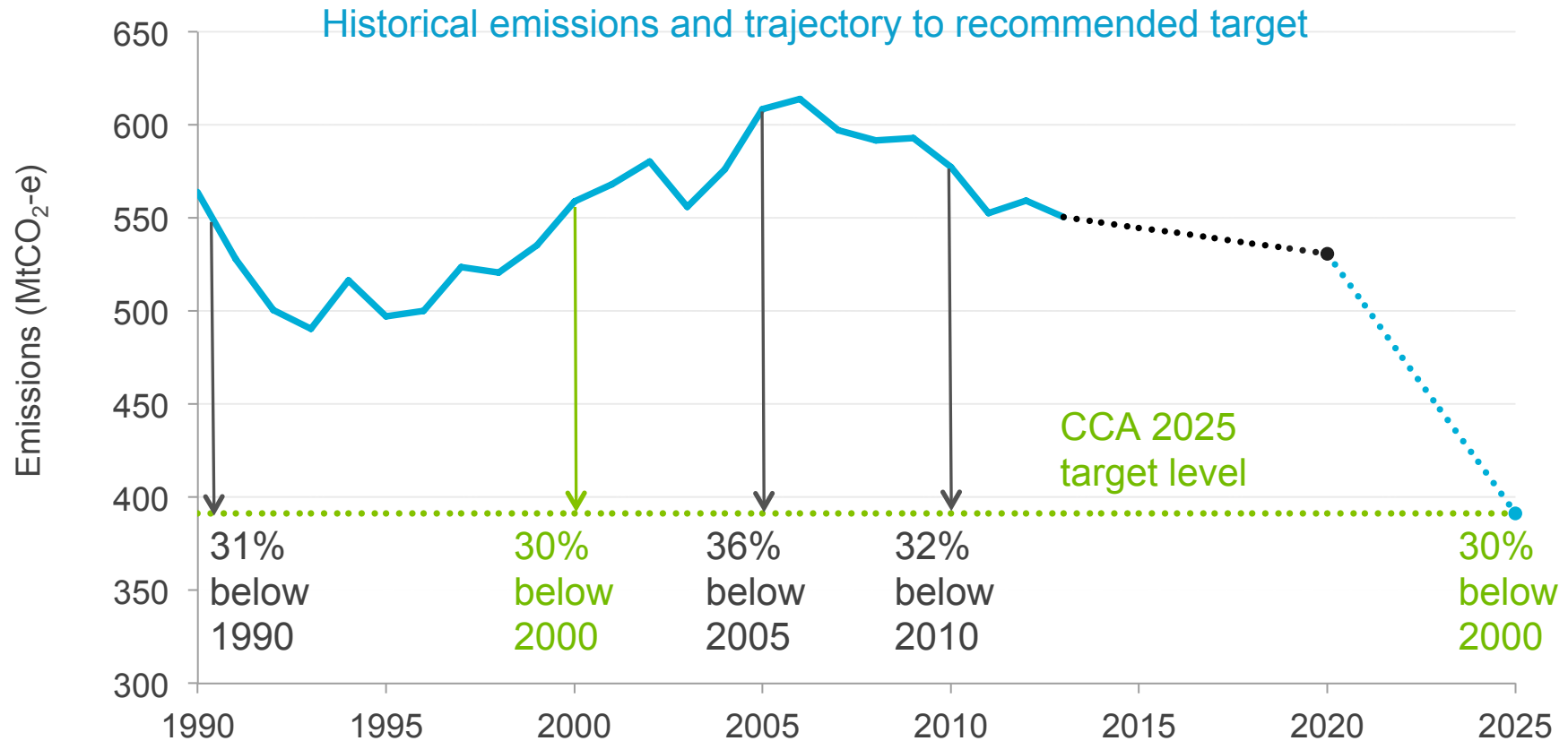
# Emissions trajectories to 2 degrees goal



Source: Draft report Figure 7



# Australia's 2025 target against different reference years



Source: Draft report Figure 4



# Next steps

- The report is on the Authority's website: submissions are welcome.  
[www.climatechangeauthority.gov.au](http://www.climatechangeauthority.gov.au)  
submissions@climatechangeauthority.gov.au
- The Authority may make a further statement after consultation with stakeholders.
- The second draft report on emissions trading schemes and other policies: November 2015.
- Final report recommending Australian actions after the Paris conference: June 2016.

