



CPB Netherlands Bureau for Economic
Policy Analysis

Economic assessment of Dutch climate- change package

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AIECE Working Group on
longer-term issues and
structural change



2015 Paris Agreement





February 2018: start negotiations Dutch climate deal



Mobility
-7.3



Houses
-3.4



Electricity
-20.2



Industry
-14.3



Agriculture
-3.5



100 parties involved in negotiations

GREENPEACE





December 2018: draft Climate agreement



- Government asks PBL and CPB to assess draft agreement
- PBL = PBL Netherlands Environmental Assessment Agency
- CPB = CPB Netherlands Bureau for Economic Policy Analysis
- PBL: CO2 reduction?
- CPB: budgetary impact. income effects by type of households?



March 2019: Assessment PBL & CPB + reaction government

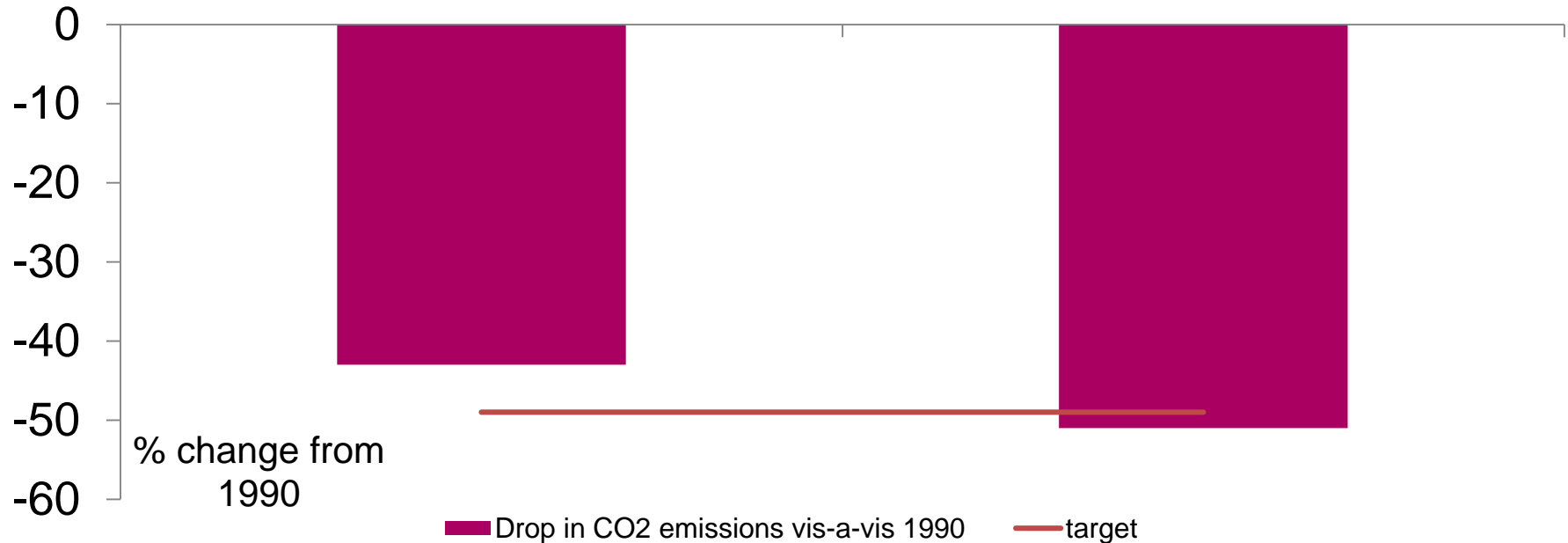




PBL: draft agreement probably insufficient

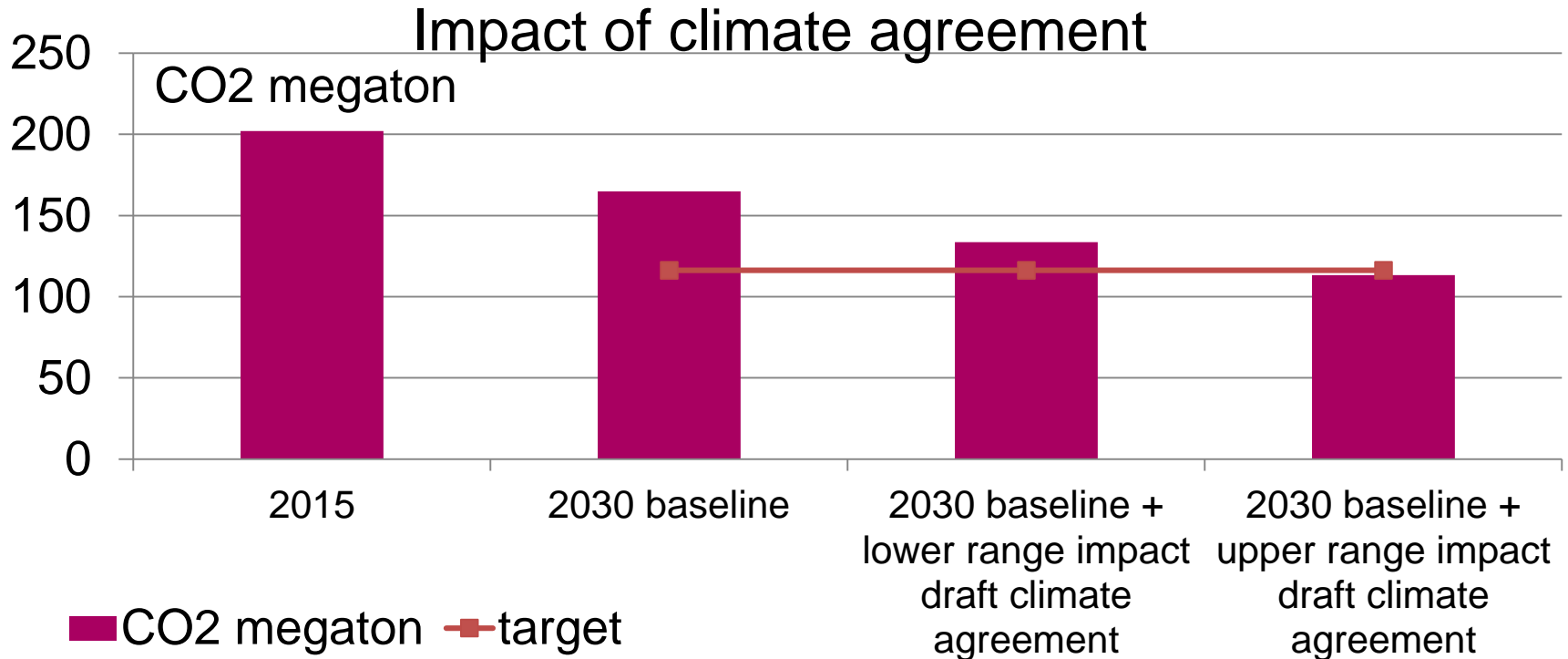
2030 baseline + lower range impact
draft climate agreement

2030 baseline + upper range impact
draft climate agreement





PBL: draft agreement probably insufficient





CPB: budgetary impact in 2030 (ex ante)

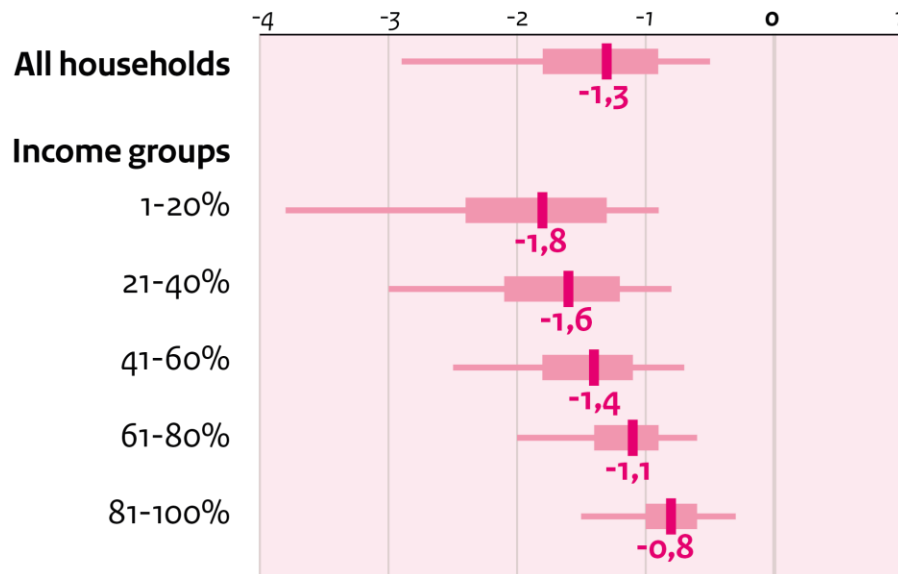
| | Total climate and energy policy | of which draft climate agreement |
|---|---------------------------------|----------------------------------|
| | % gdp in 2030 (in 2018 prices) | |
| Government outlays | 0.5 | 0.2 |
| Tax burden | 0.6 | 0.1 |
| Households | 0.3 | 0.0 |
| Firms | 0.2 | 0.1 |
| Non-tax burden (obligations etc) | 0.2 | 0.1 |
| Households | 0.0 | 0.0 |
| Firms | 0.1 | 0.1 |



Income effects 2030 - Static

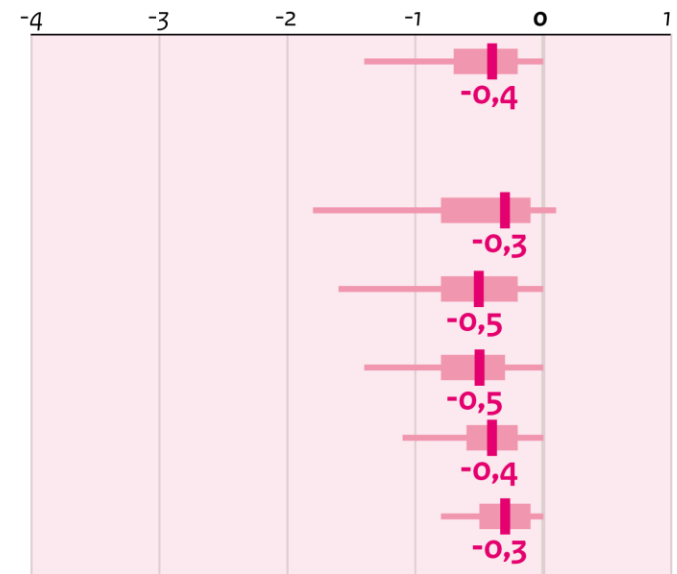
Total effect climate and energy policy,
including draft climate agreement

cumulative change 2030, in %



of which draft climate agreement

cumulative change 2030, in %





Methodological remarks

Relevant for CPB/NL

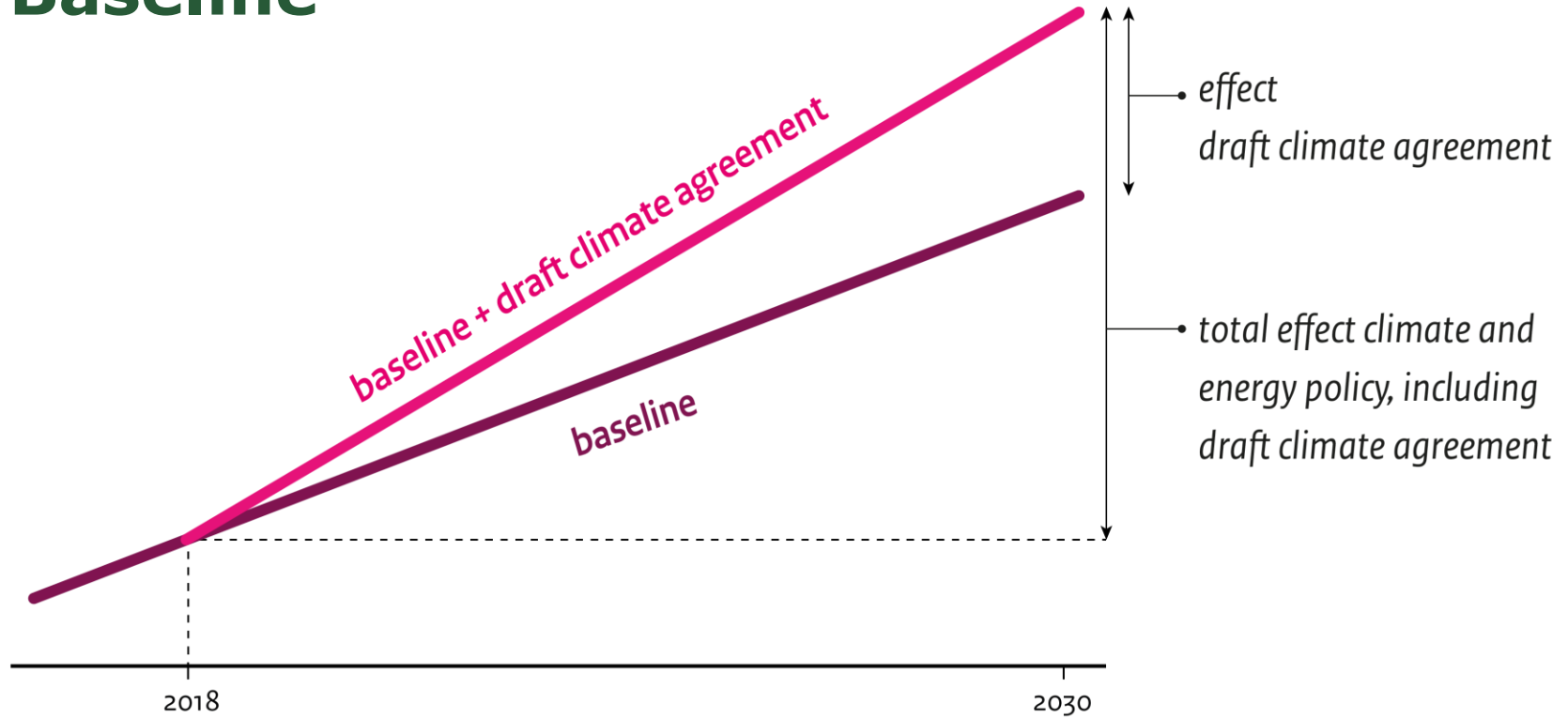


General interest





Baseline





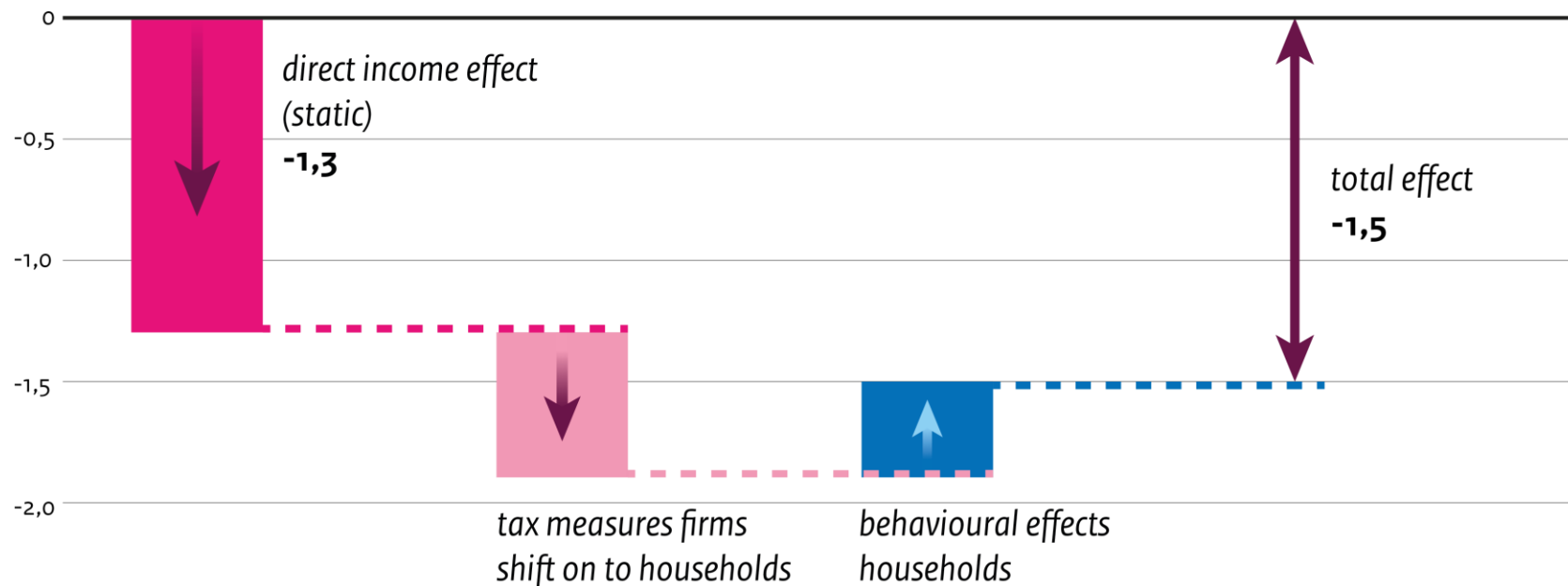
Models required

- General equilibrium model (for shifts between sectors and shifts between countries)
- CPB: Worldscan
- Microsimulation model (income effects by income group)
- CPB: Mimosi



Overall income effects

income effects in %





What's next?

