MORE THAN WORDS: HOW IFIS CAN SUPPORT GREEN BUDGETING

Fourth Annual Conference of the European Fiscal Board 25 February 2022

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International agreements with domestic implementation

Paris agreement UN Sustainability Development Goals Convention on Biological Diversity European Climate Law

Commitments Strategies Laws

Encouraging the walk

Challenges the same as fiscal coordination:

Common pool

Free riders

Intertemporal illusion

Political competition and short time horizons

Take a page from the fiscal rulebook:

Medium-term objectives in line with long-run sustainability Minimum reporting and transparency requirements Independent monitoring bodies

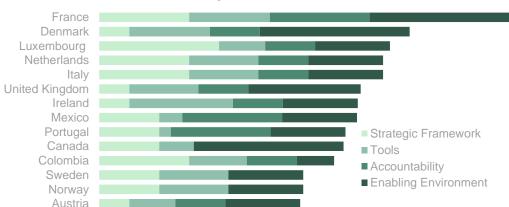
Encouraging the walk

Legally binding carbon budgets

- Economy-wide
- By industry
- Public sector

Green budgeting procedural shifts

- Green disclosure requirements
- Environmental policy appraisal and evaluation
- Climate-sensitive economic and fiscal forecasting in budget plans
- Green tax reforms and spending reviews



OECD composite indicator

Who is an appropriate monitoring body?



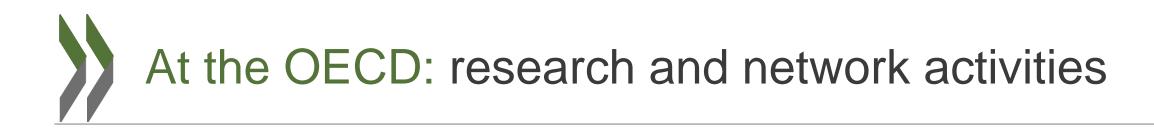


Climate action requires a Big Pivot across government

Championed by the center

In every aspect of budgeting and public finance

This is the domain of IFIs.



Supporting green budgeting

Paris Collaborative on Green Budgeting

IFI and Climate Working Group

Identifying possible roles for IFIs

Case studies of institutions supporting green budgeting

Developing best practices

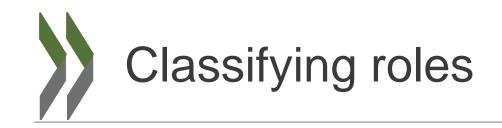
Identifying potential areas and activities

20 activities

Grouped into Four areas

A starting point for discussion





Level 1

Due diligence under current mandate

Generalist economists, existing resources

Little overlap with others

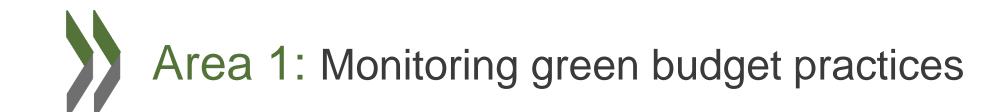
Current modelling capacity, new toy models

Level 2

Should have a clear mandate steer Require specialist skills, new resources May overlap with others Major investments in sophisticated new tools

Out of scope:

Accreditation, physical sciences outcomes and effectiveness.



Verifying compliance with green disclosure Level 1 requirements

Verifying financial outcomes are consistent with Level 1 green investment targets

Assessing "leakage" in achieving domestic targets Level 2

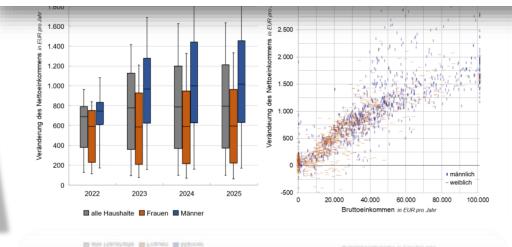
Austria (PBO) – Verifying green disclosure



9 Transparency of Legislative Materials and control implementation

Environmental dimension

The WFA contains an assessment of the reduction in greenhouse gas emissions based on a study by the Federal Environment Agency. Here, too, the inclusion of external expertise is to be welcomed, but the corresponding study was not published. The comprehensibility of the explanations in the WFA remains limited, because there only very highly aggregated data for 2025 but no calculation bases and milestones



https://www.parlament.gv.at/ZUSD/BUDGET/2022/BD_-_Oekosoziale_Steuerreform_2022.pdf

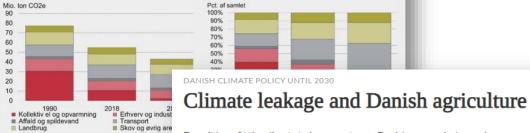
Denmark (DEC) – Assessing emissions leakage



FIGURE 1.2 DISTRIBUTION OF THE GREENHOUSE GAS EMISSIONS BETWEEN SECTORS

Emissions fall mainly in electricity and heating, while emissions from transport increase both measured in tonnes (left figure) and as a share of total emissions (right figure). Agriculture will account for an increasing share of emissions by 2030.

right?



Note: Projection for 2030 is based on a *frozen policy* of Source: The basic projection 2020, the Danish Energy

Does it benefit the climate to impose a tax on Danish companies' greenhouse gas emissions? If production and emissions just move abroad, the climate is just as wide,

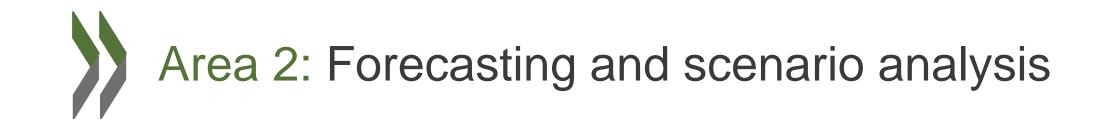
We shed light on this question in our report on Danish climate policy, which was published a few months ago. Our calculations show that foreign emissions increase corresponding to around 20 per cent. of the Danish reduction. This "leak" is calculated by a uniform fee of DKK 1,200 per. tonnes of CO₂ e, which according to

our calculations is the cheapest way to achieve the 2030 target of the Climate Act. The calculated leakage means that despite major emissions abroad, there is a real effect on the climate of a Danish tax on all greenhouse gases. This also applies to a competitive sector such as agriculture, where the problem of relocation of production and emissions is particularly great. Here, a tax will mean that foreign emissions increase by the equivalent of 35 per cent. of the reduction in Danish agriculture - ie a leakage rate of 35 per cent.

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By the Presidency of the Economic Councils: Carl-Johan Dalgaard, Nabanita Datta Gupta, Lars Gårn Hansen and Jakob Roland Munch Jyllandsposten, 9 July 2021 WRITTEN IN RELATION TO:

Economy and Environment 2020: <u>Chapter I: Danish</u> <u>climate policy towards 2030</u>



Advising on appropriate policy baselines Level 1

Identifying climate risks to the budget outlook Level 1

Climate-sensitive forecasting and scenario analysis Level 2

Providing long-term fiscal sustainability analysis that Level 2 incorporates climate change

UK (OBR) – Assessing risks and long-term projections

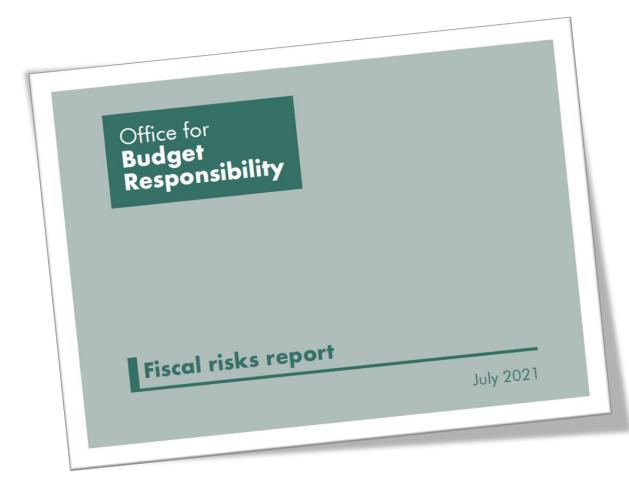


Chart 5: Early action scenario: impact on public sector net debt

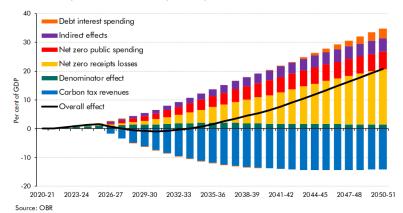
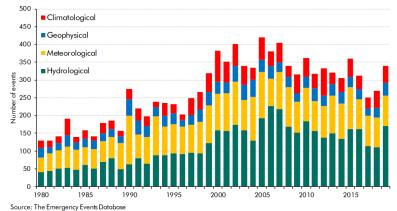
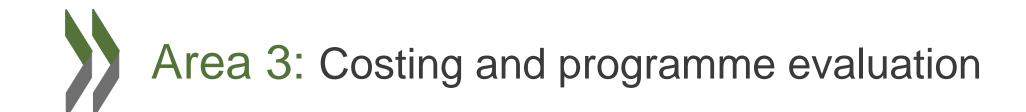


Chart 1: Incidence of major risk events





Scrutinising reasonableness of official cost estimates Level 1

Assessing the financial costs of green policies, pricing Level 1 externalities in all cost estimates

Assessing the distributional and macroeconomic Level 2 consequences of green initiatives

Assessing the impact of carbon pricing on energy Level 2 markets

Australia (PBO) – Electrifying government fleet



Policy costing

Revenue implications of setting mandatory Government fleet electric vehicle purchasing targets				
Person/party requesting the costing:	Senator Tim Storer, Senator for South Australia, on behalf of the Senate Select Committee on Electric Vehicles			
Date costing completed:	11 January 2019			
Expiry date of the costing:	Release of the next economic and fiscal outlook report.			
Status at time of request:	Submitted outside the caretaker period			
	☑ Confidential □ Not confidential			
Summary of proposal:				

This proposal contains six options to set mandatory electric vehicle purchasing and leasing targets for new vehicles added to the Australian Government vehicle fleet. The options are as follows:

- Option 1: set a target of 30 per cent of new vehicles in the Australian Government vehicle fleet by 2025.
- Option 2: set a target of 40 per cent of new vehicles in the Australian Government vehicle fleet by 2025.
- Option 3: set a target of 50 per cent of new vehicles in the Australian Government vehicle fleet by 2025.
- Option 4: set a target of 30 per cent of new vehicles in the Australian Government vehicle fleet by 2030.
- Option 5: set a target of 40 per cent of new vehicles in the Australian Government vehicle fleet by 2030.
- Option 6: set a target of 50 per cent of new vehicles in the Australian Government vehicle fleet by 2030.

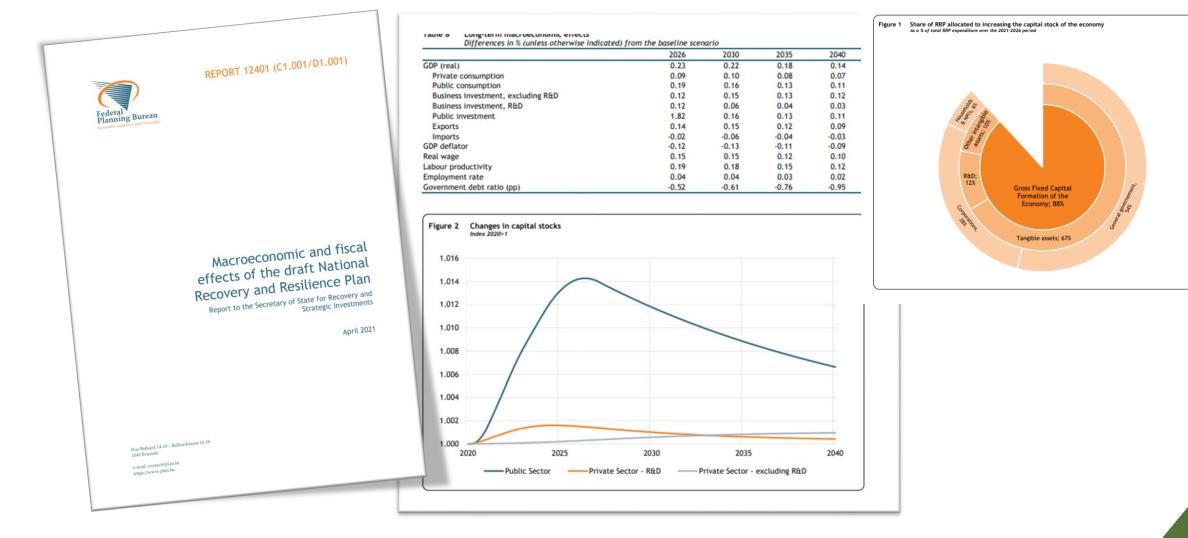
Electric vehicles are defined as battery electric vehicles, plug-in hybrid electric vehicles and fuel-cell electric vehicles. Each electric vehicle added to the Government fleet would have dedicated charging infrastructure provided for it.

The Government fleet does not include vehicles acquired by Government employees under salary sacrifice novated lease arrangements.

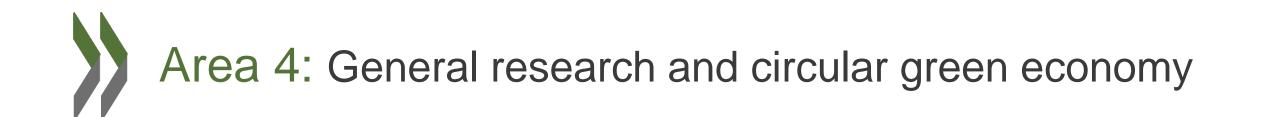
The proposal would have a start date of 1 July 2019.

	2018–19	2019–20	2020–21	2021–22	Total to 2021–22	
Option 1 – Set a target of 30 by 2025	per cent of ne	w vehicles in t	he Australian (Government ve	hicle fleet	
Fiscal balance	-	-0.3	-0.9	-1.8	-3.0	
Underlying cash balance	-	-0.3	-0.9	-1.8	-3.0	
Option 2 – Set a target of 40 by 2025	per cent of ne	w vehicles in t	he Australian (Government ve	hicle fleet	
Fiscal balance	-	-0.4	-1.2	-2.4	-4.0	
Underlying cash balance	-	-0.4	-1.2	-2.4	-4.0	
Option 3 – Set a target of 50 per cent of new vehicles in the Australian Government vehicle fleet by 2025						
Fiscal balance	-	-0.5	-1.5	-3.0	-5.0	
Underlying cash balance	-	-0.5	-1.5	-3.0	-5.0	
Option 4 – Set a target of 30 by 2030	per cent of ne	w vehicles in t	he Australian (Government ve	hicle fleet	
Fiscal balance	-	-0.2	-0.5	-1.0	-1.6	
Underlying cash balance	-	-0.2	-0.5	-1.0	-1.6	
Option 5 – Set a target of 40 by 2030	per cent of ne	w vehicles in t	he Australian (Government ve	hicle fleet	
Fiscal balance	-	-0.2	-0.7	-1.3	-2.2	
Underlying cash balance	-	-0.2	-0.7	-1.3	-2.2	
Option 6 – Set a target of 50 by 2030	per cent of ne	w vehicles in t	he Australian (Government ve	hicle fleet	
Fiscal balance	-	-0.3	-0.8	-1.6	-2.7	
Underlying cash balance	-	-0.3	-0.8	-1.6	-2.7	
 (a) A positive number represent decrease. (b) Figures may not sum to total: Indicates nil. 			get balance; a n	egative number	represents a	

Belgium (FBR) – Recovery & resilience assessment



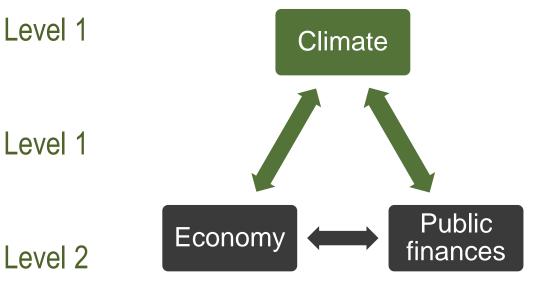
https://www.plan.be/uploaded/documents/202104301033290.FPB_RRP_Economic_impact_12401_E.pdf



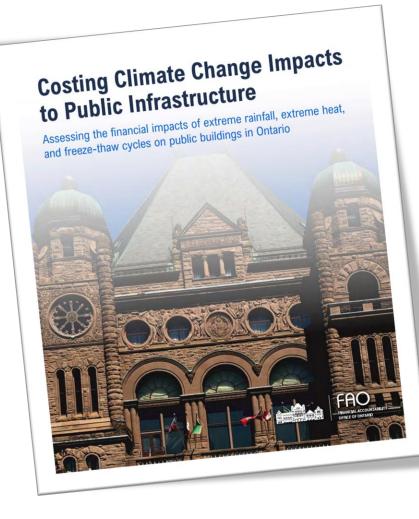
Drafting briefing notes on climate and environmental topics

Assessing the impact of climate change directly on public finances

Assessing the impact of climate change on the economy (and vice versa)



Canada (FAO) – Climate & public infrastructure



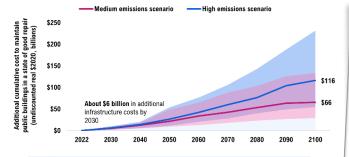
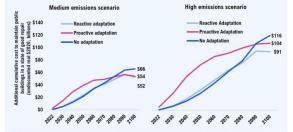
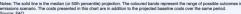
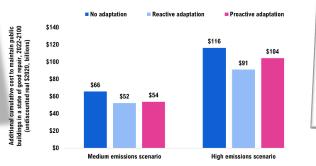




Figure 6-1



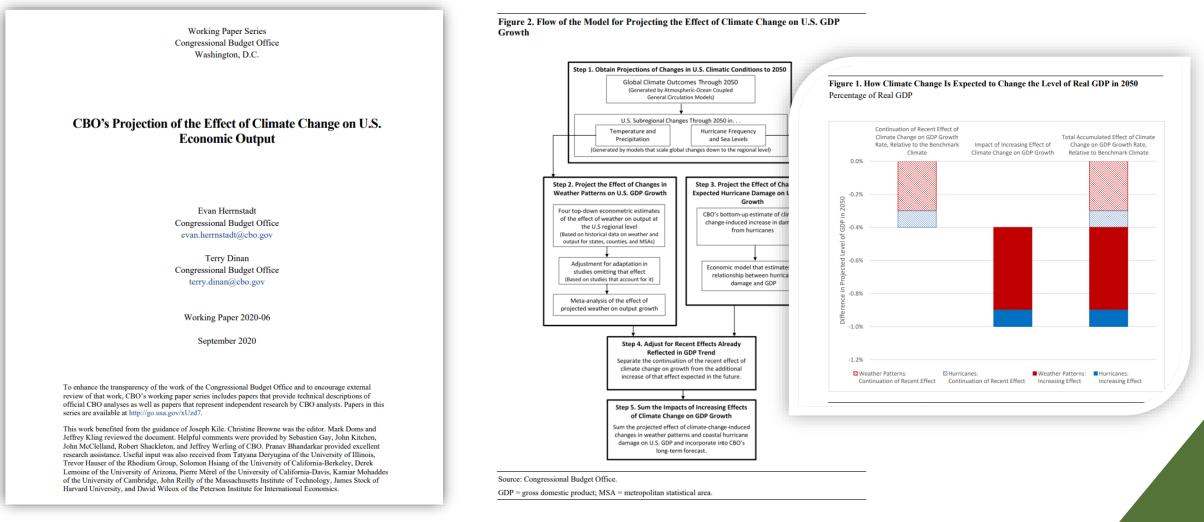




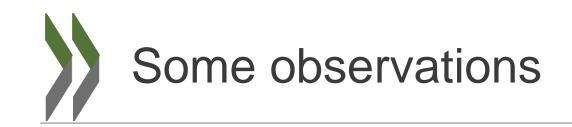


https://www.fao-on.org/en/Blog/Publications/cipi-buildings

U.S. (CBO) – Channels of climate change to economy



https://www.cbo.gov/system/files/2020-09/56505-Climate-Change.pdf



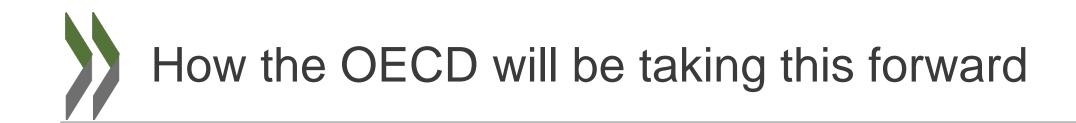
Early days. Few formal mandates. Waiting on governments to codify.

Some taking own initiative, but uncommon.

Some recruiting for environmental specialists in social science, most repurposing economic generalists on an ad hoc basis.

Resources for green analysis typically not provided, tracked or managed separately (CPB Netherlands an exception).

A chance for everyone to be at the forefront



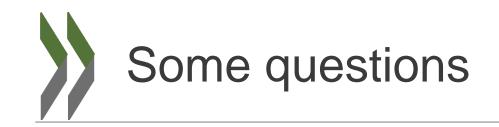
Questions to answer as a research community

Surveys on activities and approaches

Backgrounders on methods

Best practices

Reviews and recommendations



How should independent bodies coordinate analysis domestically and internationally?

How can hard-won reputations on core financial mandates be protected while expanding into green analysis?

Where are the boundaries of IFI scrutiny and reporting?