

Carbon revenues: Transforming carbon costs into low-carbon opportunities

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There is always an incentive to explore new territories

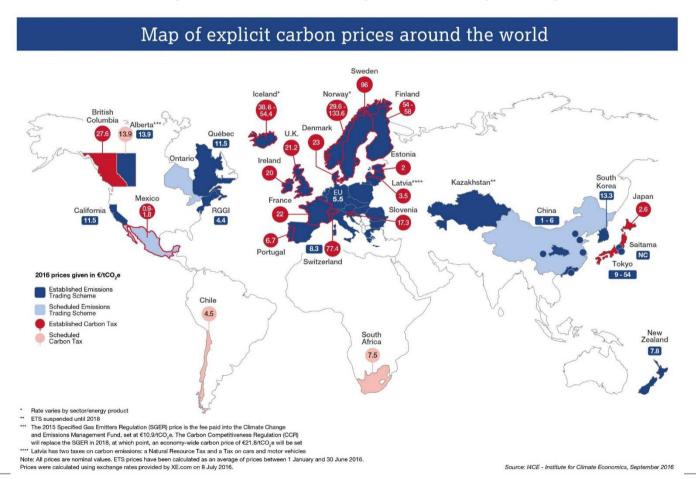


WHAT'S
ABOUT
CARBON
REVENUES?



A growing implementation for carbon pricing policies around the world: for which use of carbon revenues?

 The World Bank estimates that in 2015 alone: \$26 billion in government revenues has been generated through carbon pricing initiatives



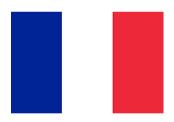


Carbon revenues: an important consideration for policy makers

- Growing revenues generated from carbon taxes, levies, and ETS and their potential uses can incentivize governments to implement policies that put a price on carbon.
- Carbon revenues can impact the economic effectiveness of public policies through :
 - Optimizing the taxation system (reduction of taxes and reform);
 - 2. Social redistribution (low-income households, job assistance)
 - 3. Public finance management (debt/deficit);



British Columbia has adopted revenue-neutral carbon tax



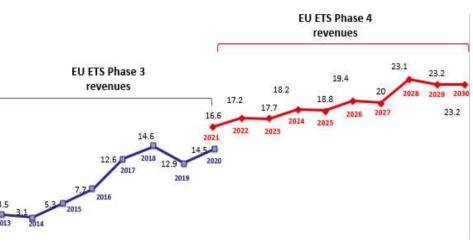
France use carbon revenues to reduce labour taxes



Carbon revenues: a new important consideration for funding low-carbon transition

- Carbon revenues can be used to accelerate the low-carbon transition by "Earmarking" revenues for low-carbon initiatives, projects and infrastructure development.
- Using carbon revenues effectively can help governments capitalize on benefits and co-benefits of climate action.
- Carbon revenue spending plans can help improve the political acceptability of policies that price carbon their introduction or increase.





Source: I4CE, 2015

For example, the European Union could raise over €230 billion between 2015 and 2030 from the EU ETS — a sum equivalent to the additional energy sector investments required to move from an EU New Policies scenario to a 2°C scenario.



IACE Carbon revenues can be used according national priorities

There is no one unique approach to carbon revenue spending, their use are based on national priorities and political decisions.

Summary Table: Pros and Cons of Common Options for Revenue Use

| Approach | Opportunities | Challenges |
|--------------------------------------|--|---|
| Using Revenues to Reduce Other Taxes | Improve efficiency of tax system burden to improve public support Promote economic activity | Preferential treatment of certain groups Ensuring efficacy of carbon price |
| Directing Revenues to Households | Address household fairness Enhance public support | Potentially missed productivity opportunities |
| Transitional Support for Industry | Drive economic growth Reduce industry opposition | Ensuring efficacy of carbon price Picking winners and vested interests |
| Public Debt and Deficit Reduction | Long-term economic benefits Intergenerational affordability | Limited public appeal |
| Using Revenues for General Spending | Increased resource availability Economic support | Lack of clear returns |
| Funding for Climate Investments | Funding prioritization Corrective potential Thematic coherence and public support | Market distortions Negative perception of Increased public spending Risk of inefficiency Inadequate level of expenditures Picking winners |

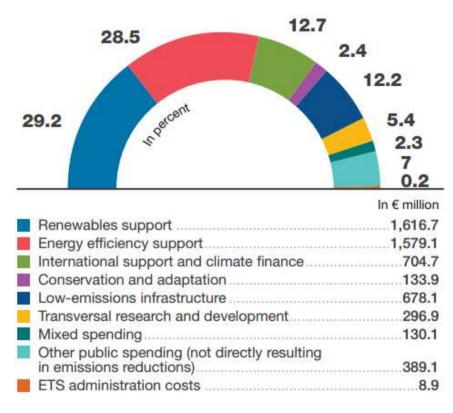


Transforming carbon costs to low-carbon opportunities: funding the transition

Carbon revenues can be used to fulfill a wide range of objectives:

- Funding low carbon development
- Providing financial support to ease adverse impacts resulting from implementing carbon pricing policies
- Developing public infrastructure
- Fulfilling international climate finance commitments
- Increasing economic activity

EU ETS Member States



Source: I4CE, 2015



4CE Transforming carbon costs to low-carbon opportunities: funding the transition

Common trends in North America:

- Spending guidelines focus on long-term growth. as well as GHG reductions (special attention to highest emitting sectors)
- **Guidelines for minimum investments towards** certain actions (Focus especially on reserving funds for disadvantaged communities)

Focus on large-scale infrastructure growth e.g. low-carbon transport

- Public reporting on decision making motivations, governance and assessment of projects
- Use of standardized metrics to measure performance



Source: I4CE - Institute for Climate Economics, 2015 and California Air Resources Board, 2015





Recommendations: a well-positioned decision-making and governing framework

Regardless of where the revenues are spent, a well-positioned decision-making and governing framework is required to ensure that revenue spending is in accordance with set objectives:

- Plan revenue spending;
- 2. Engage in public consultation with stakeholders;
- 3. Establish Monitoring-Reporting-Verification systems;
- 4. Set checkpoints to revise the revenue spending plan;
- Develop safeguards to compensate beneficiaries in case of revenue shortfall;
- 6. Regularly communicate progress to the public;
- Identify ways to maximize the utility of these revenues (leverage effect on private finance);

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Conclusion | Carbon revenue recycling : a driving force for the development of carbon policies and the low-carbon transition

- Revenue recycling is trending: there is a greater incentive for governments to adopt policies that put a price on carbon
- The potential of these revenues can be leveraged to:
 - 1. Enhance the political acceptability of carbon pricing policies
 - 2. Raise economic and environmental gains by supporting low carbon investments, reducing distortionary taxes, addressing competiveness concerns, or driving government spending on public priorities.
- Revenue recycling success requires a wellpositioned decision-making and governing framework.





Questions?

Further reading ...

Recycling carbon
revenues:
transforming costs
into opportunities
BY: Manasvini VAIDYULA /
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May 2016
www.14CE, org



What are the options for using carbon pricing revenues?

CPLC Executive briefing September 2016

www.pubdocs.worldbank.org



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