

OVERVIEW POLICY DATABASES

	Timespan	Country coverage	Sector coverage	Evaluation	TEST - matches with specific policy interventions
<u>ECOLEX</u>	<p>200* - 2021</p> <p>EUROPE: 1814 - 2021</p> <p>*200 refers to possible errors in dating especially legislations. The timespan 200-1901 contains roughly 400 legislations.</p>	worldwide	<ul style="list-style-type: none"> • Agricultural & rural development • Air & atmosphere • Cultivated plants • Energy • Environment general • Fisheries • Food & nutrition • Land & soil • Legal questions • Livestock • Mineral resources • Sea • Waste & hazardous substances • Water • Wild species & ecosystems 	<p>Very technical dataset concerning legislation and law packages - very little (if any) reference to specific policy interventions, they must be deduced from legislations (which have different wording from papers).</p> <p>Missing specific reference to taxation laws/schemes.</p> <p>Very rich in treaties and legislations.</p>	<p>Denmark: 1/3</p> <p>Finland: 0/2</p> <ul style="list-style-type: none"> - found literature: “Energy-related taxation as an environmental policy tool - the Finnish experience 1990-2003” <p>Germany: ¼</p> <ul style="list-style-type: none"> - found literature on ecological tax reform <p>Ireland: ⅓</p> <p>Luxembourg: 1/5</p> <p>Portugal: 1/4</p> <p>Sweden: no reference to ‘Green tax shift’</p>

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<u>EEA</u>	1957-2021	EEA member countries (31 EU countries + Turkey)	<ul style="list-style-type: none"> • energy consumption • energy supply • industrial processes • transport • waste • land use, land-use change and forestry • other sectors 	<p>Detailed overview on fiscal schemes and reforms, well organised and quite complete, with a total of 2306 policies. Numerous filters are available, the most useful were the ones by sector, policy instrument and 'implementation period start'. Other interesting filters: type of GHG affected, policy impacting EU ETS, ESD or LULUCF.</p> <p>It includes ex-ante and ex-post assessments information and amounts of CO2 reductions (which it's possible to filter for).</p> <p>Manually possible to find policies in the 'National greenhouse gas policies and measures' paper for the single using policy ID to check for more details.</p>	<p>Denmark: 2/3</p> <p>Finland: 0/2</p> <p>Germany: 0/4</p> <p>Ireland: 3/5</p> <p>Luxembourg: 2/5</p> <p>Portugal: 3/4</p> <p>Sweden: 3/5 (Green tax shift's policies included but not explicitly referred to as such)</p> <ul style="list-style-type: none"> • Finland - Germany policies before/early 2000 policies are missing • Dates of policies sometimes don't match with the ones found in the paper.

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<u>Home climate policy database</u>	1954-2022	worldwide (198 countries), possible to look at total EU separately	<ul style="list-style-type: none"> • Agriculture and forestry, • Buildings, • Electricity and heat, • General, • Industry, • Transport <p>→ all sectors are further subdivided and policies specifically assigned</p>	<p>Well organized database with over 5600 climate policies.</p> <p>Policy instruments are subdivided in many different policy types that can be filtered.</p> <p>We only find the decision date, which does not always match the enactment date. However the website states that “Planned policies are excluded from the database, with an exception of energy and emission targets announced as Intended Nationally Determined Contributions (INDCs) for the post-2020 period.” No update if proposals have actually been implemented in some checked cases.</p> <p>Policies are often named, but not always explained. Links are partly leading to</p>	<p>Denmark: 2/3 Finland: 0/2 Germany: 3/4 Ireland: 2/5</p> <p>Luxembourg: 0/5</p> <p>Portugal: 1/4</p> <p>Sweden: ⅘ (Green Tax Shift not included)</p>

				<p>unspecific websites/Error. Generally, policies are hidden in Legislative texts and not clearly stated.</p> <p>Fiscal Reforms (Carbon tax) often seem to be missing.</p>	
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	Timespan	Country coverage	Sector coverage	Evaluation	TEST - matches with specific policy interventions
<u>IEA</u>	1948-2030 (year policy went into force or plans to do so)	worldwide	<ul style="list-style-type: none"> • Building • Power, Heat, Utilities • Economy-wide (Multi-sector) • Electricity and heat generation • Power generation • Transport • Residential • Road Transport • Industry • Services 	<p>Includes a total of 6789 policies, the data seems very structured and of all the most complete.</p> <p>Year policy went into place (or planned to do so) → unclear which of the two is the case</p> <p>Status (planned, enforced or ended).</p> <p>Filter possible by region, sector, policy type, topic, technology, status and jurisdiction.</p> <p>Very structural summary of each policy.</p> <p>Generally, carbon tax increases are often not included.</p>	<p>Denmark: 2/3</p> <p>Finland: 0/2</p> <p>Germany: 4/4 → “Ecological tax reform” marked as planned to go into force in 1993, but the reform was not enforced before 1999</p> <p>Ireland: 4/5</p> <p>Luxembourg: 0/5</p> <p>Portugal: ¼ (although the database included more possible policies that could have caused the breaks)</p> <p>Sweden: 2/5</p>

	Timespan	Country coverage	Sector coverage	Evaluation	TEST - matches with specific policy interventions
<u>LSE - Climate Laws</u>	1949-2030 (date of law passed)	worldwide	<ul style="list-style-type: none"> • Adaption • Agriculture • Buildings • Coastal zones • Cross Cutting Area • Disaster Risk Management • Economy-wide • Energy • Environment • Finance • Health • Industry • LULUCF • Other • Public Sector • Residential and Commercial • Rural • Social development • Tourism • Transport • Transportation • Urban • Waste 	<p>Includes only a total of 2627 policies AND LAWS → seems little compared to other datasets. Database is very clean structured.</p> <p>Filter possible by regions and countries, Executive/Legislative, sector, Keywords, Mitigation/Adaptation/DRM , Frameworks, Instruments. Subdivision of instruments is very precise. Laws and Policies can be filtered by Ex/Leg.</p> <p>Policies and Laws are nicely summarized and linked documents are given (leading to existing websites).</p> <p>Notably incomplete with older laws (before 2000/2010).</p>	<p>Denmark: 0/3 Finland: 0/2 Germany: 0/4 Ireland: 2/5 Luxembourg: 1/5 Portugal: ¼ Sweden: 1/5</p>

			<ul style="list-style-type: none">• Water	<p>Carbon tax laws are hard to identify, often not to be found.</p> <p>Not recommended to use in our case.</p>	
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