

Landscapes of Domestic Climate Investment & Finance

Experience from five years of tracking in France

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I4CE – Institute for Climate Economics

A think tank providing public and private decision-makers with expertise on economic and financial issues related to the energy and ecological transition

Agriculture, Forest and Climate
Industry, Energy and Climate
Cities, Infrastructure and Climate
Finance, Investment and Climate

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What is a landscape of domestic climate investment and finance?





Tracking investment and financial flows in domestic low-emission tangible assets

4-step methodology

- 1. Measure CAPEX in low-emission projects
- 2. Identify the project managers involved
- 3. Understand which financial tools they used
- 4. Map public and private channels supporting these tools from capital source

5 key low-carbon domains



RENEWABLE ENERGY SUSTAINABLE INFRA-STRUCTURE

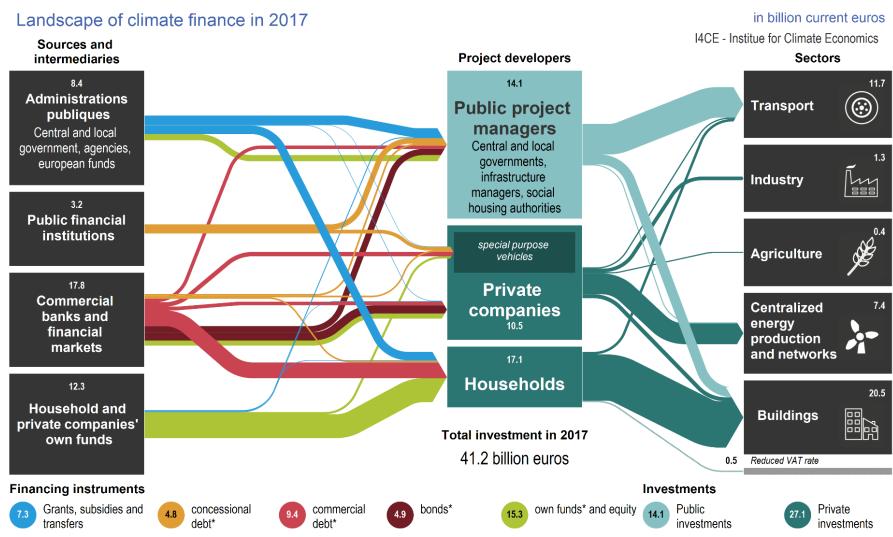
NUCLEAR

GHG EMISSIONS OUTSIDE FUEL COMBUSTION



2018 Study Results

Households and private companies are the principal project developers, followed by public entities



^{*} including balance-sheet financing in companies



Example of France

From reporting to decision-making why keep track of domestic climate finance?

- Reporting to decision-makers on the status of climate-related investment and financial flows in a coherent manner;
- Measure the gap between current financial flows and investment needs to achieve climate objectives
- Identify policy factors behind investment successes and setbacks, recommend solutions to reduce the investment gap
- Provide national strategies with a tool to plan how to raise and reorient public and private flows towards climate investment



Digging Deeper than Totals

Climate investment in 2017

41.2

billion euros

Gap with investment needs

+10 - 30

Billion euros/year

Fossil-fuel climateadverse investments

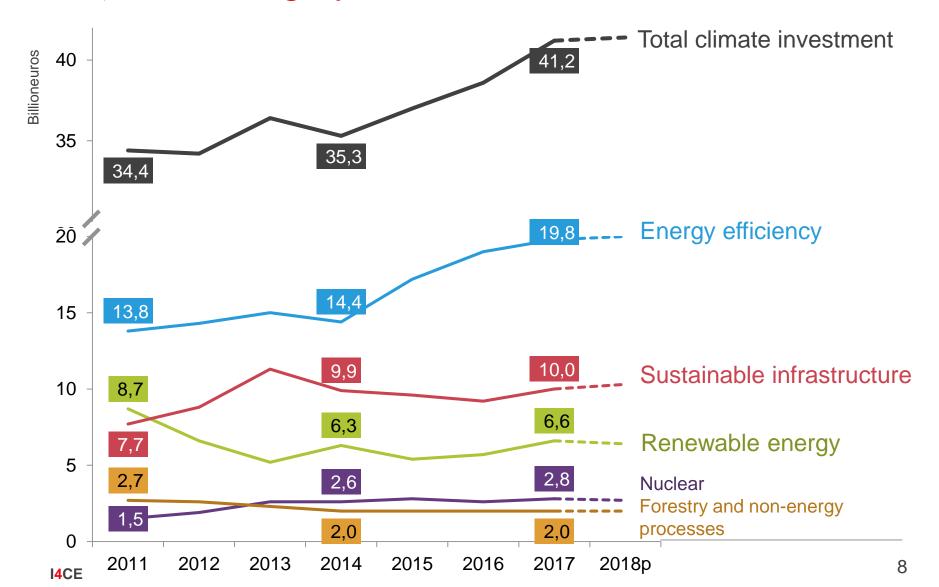
73

billion euros in 2017



Landscape of climate finance

41 billion euros invested in 2017, increasing by 17% since 2014

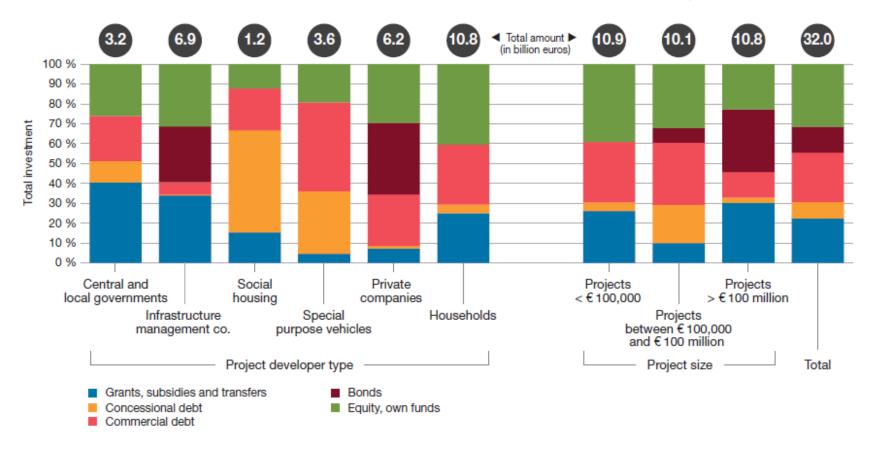




2017 French Landscape Results

Funding instruments vary depending on project developer and project size (2016 data)

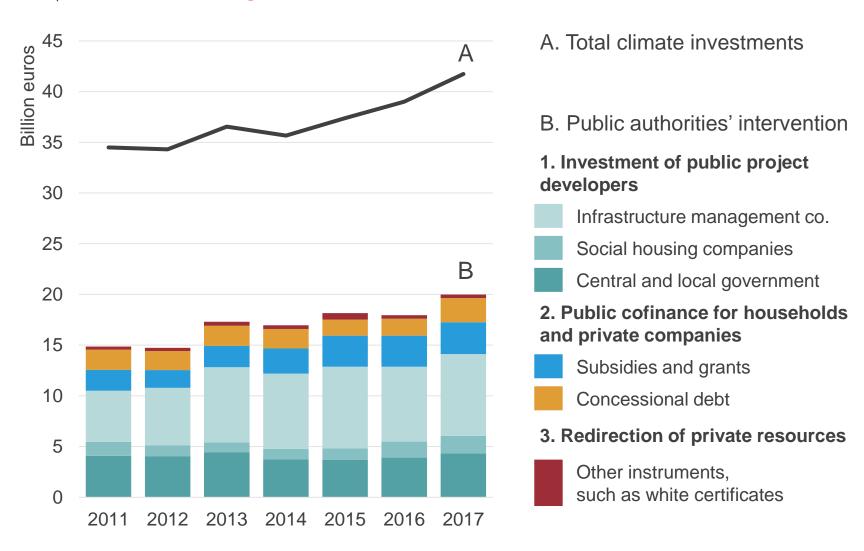
LOW-CARBON INVESTMENT FUNDING INSTRUMENTS BY PROJECT DEVELOPER AND PROJECT SIZE, 2016





Landscape of climate finance

Public authorities are increasingly intervening to fund low-carbon investments



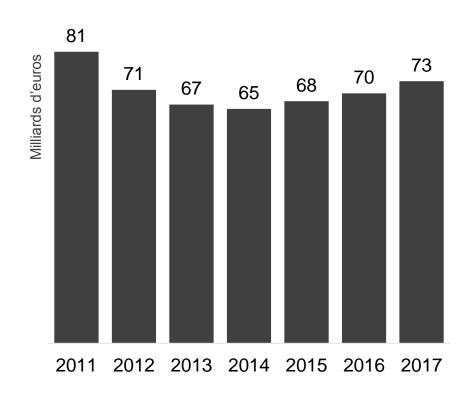


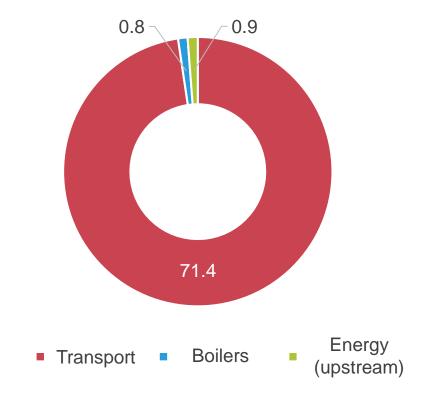


Meanwhile, climate-adverse fossil fuel investments still represent more than 70 billion euros

While climate-adverse fossil investments decreased between 2011 and 2014, they have been increasing since 2015

Climate-adverse investments are concentrated in the transport sector

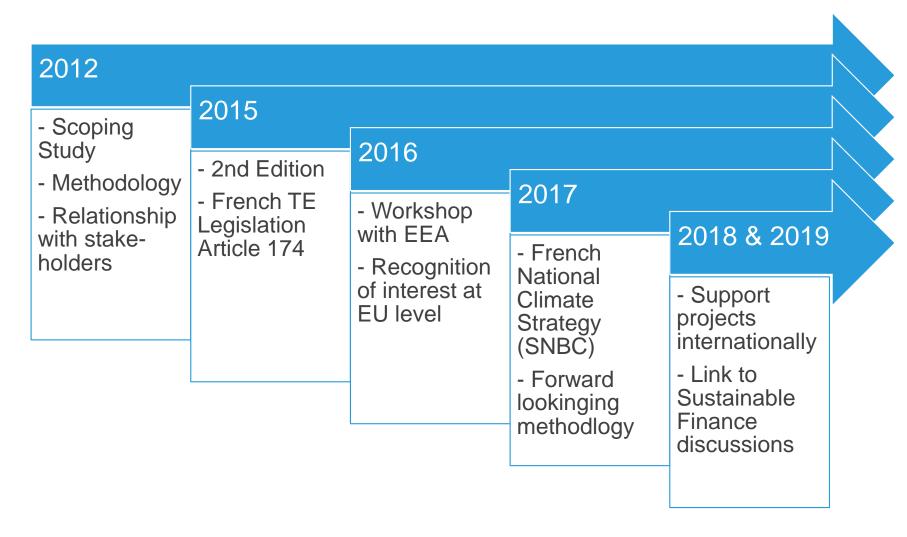




How has the work in France been conducted?



Timeline of French Project



Introduction



The results of the Landscape correspond to the "new needs" of French decision makers

France's energy transition act mandates tracking and mapping climate finance flows

The government is to present an annual report to the Parliament which "quantifies and analyses public finance, assesses private finance, and measures their adequacy with the financial requirements to achieve the objective and transition pace of the law".

Art. 174 of the Energy transition for green growth act (LTECV, 2015)

- Energy Transition Act: Article 174
- Contributions to Finance Bills (PLF): DPT Climate and Energy transition draft budget
- Reports for French Strategy on green finance: defining the "business plan" for the energy transition
- Economic, Social and Environmental Council: opinion on the energy transition of February 2018
- CGDD and Eurostat: national climate change mitigation expenditure account
- French National Energy and Climate Plan (SNBC)

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Key Project Stakeholders in France and beyond.















CAN-France; European Climate Foundation; IDDRI; CPI; Climate-KIC; CBI; ...

Business: SER; EPE; French Banking Association

Among others...

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Further documents and readings



Thank you for your attention!

Questions and comments welcome!

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