

Linking long-term targets with current financial flows

3rd meeting of the Climate Recon Technical Dialogue

27/02/2019 Hadrien Hainaut. I4CE – Institute for Climate Economics

Authors of the study

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With the support of





Agence de l'Environnement et de la Maîtrise de l'Energie Introduction



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



I4CE is an initiative of Caisse des Dépôts and Agence Française de Développement, supported by Morocco's Caisse de Dépôt et Gestion, the ADEME, Institut Louis Bachelier and the Banque de France



Landscape of climate finance Our mandate : track domestic climate finance and compare it to investment needs

(...) present a 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.

Article 174 of the Energy transition for green growth act (adopted 2015)

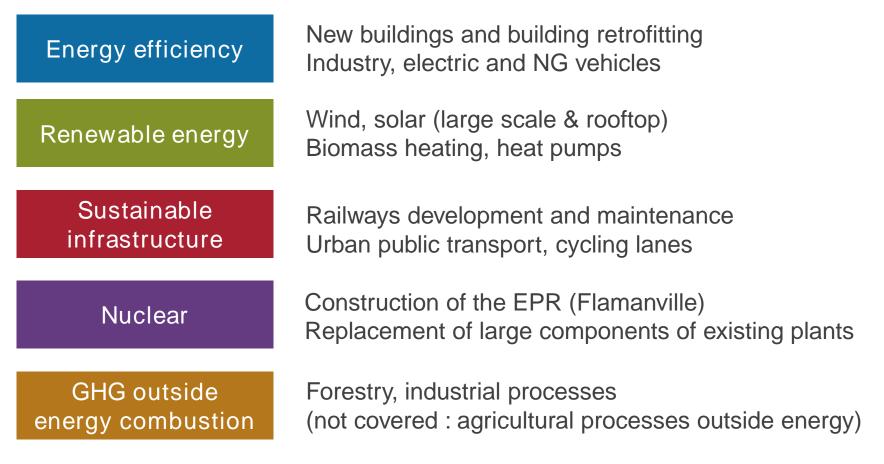
(...) it is necessary to present the milestones of a "business plan" for the ecological transition, assessing investment needs for each sector, and giving visibility on public and private financial commitments

Parliamentary mission on private investment in the ecological transition, 2019



Landscape of climate finance Tracking investment and financial flows in domestic, low-carbon, tangible assets

Low-carbon criteria are derived from national strategies (SNBC & PPE) and international taxonomies such as Climate Bond Initiative, EU HLEG and French TEEC label



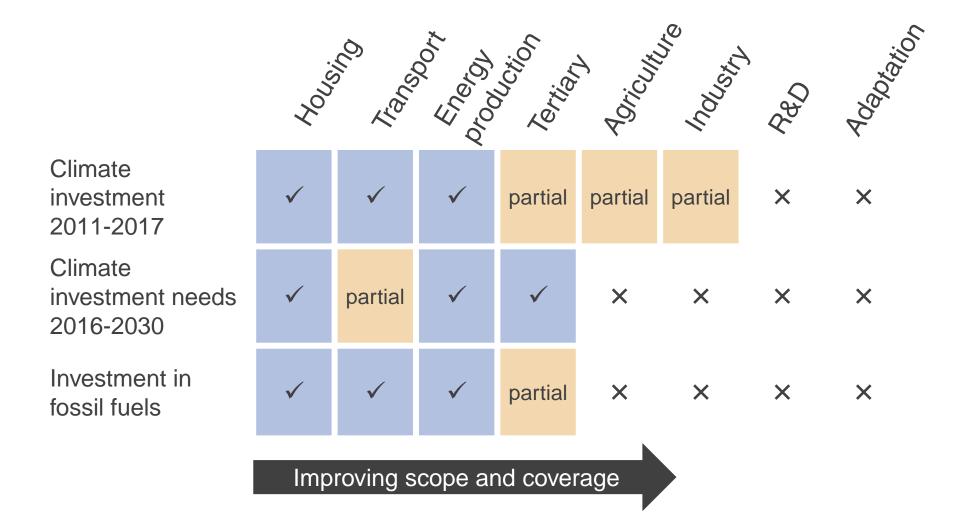


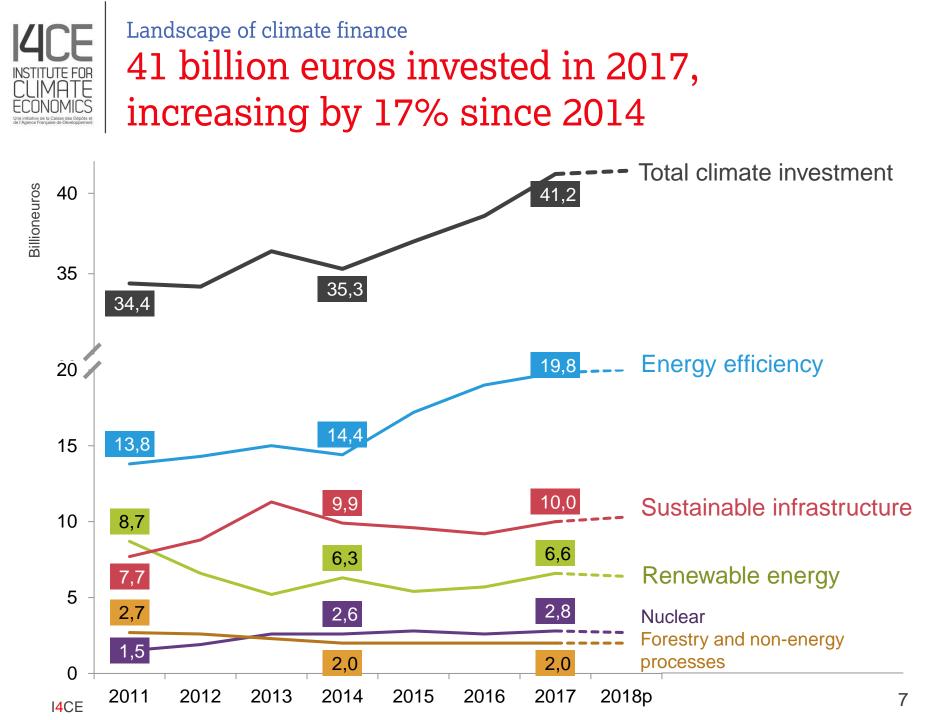
Landscape of climate finance Distinguish climate investment and climate finance, today and in the future

	I4CE Landscape Application in France : 2011-2017	National Plans In France : SNBC 2016-2030
Climate investment	 Tracking low-carbon CAPEX e.g. residential retrofitting, low-carbon vehicles, etc. Made by households, companies and public institutions Projects emerging under current economic and regulatory condition 	 Mapping investment needs e.g. deploy X thousand electric vehicles by 2025, etc. Assessed against equipment deployment goals stated in national strategies & I4CE's cost assumptions
Climate finance	 Funds used by project developers to cover their investment expenditure Provided by public institutions (subsidies), banks and financial markets (loans, bonds) or project developer's own funds 	 "Business plans" exploring new public and private finance Possible increase of private finance reflecting improved economic and regulatory conditions for low-carbon projects



Landscape of climate finance However, knowledge of investments and financial flows is lacking in some sectors





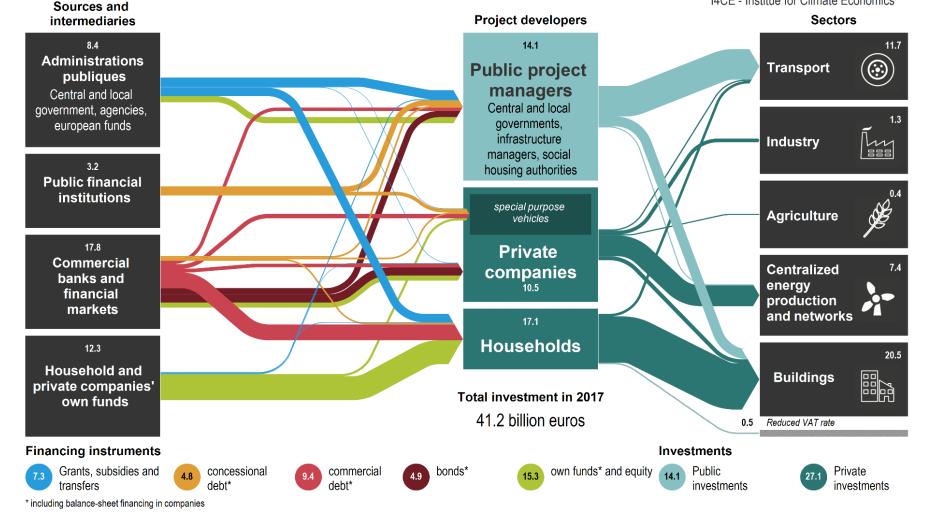


Households and private companies are the principal project developers, followed by public entities

Landscape of climate finance in 2017

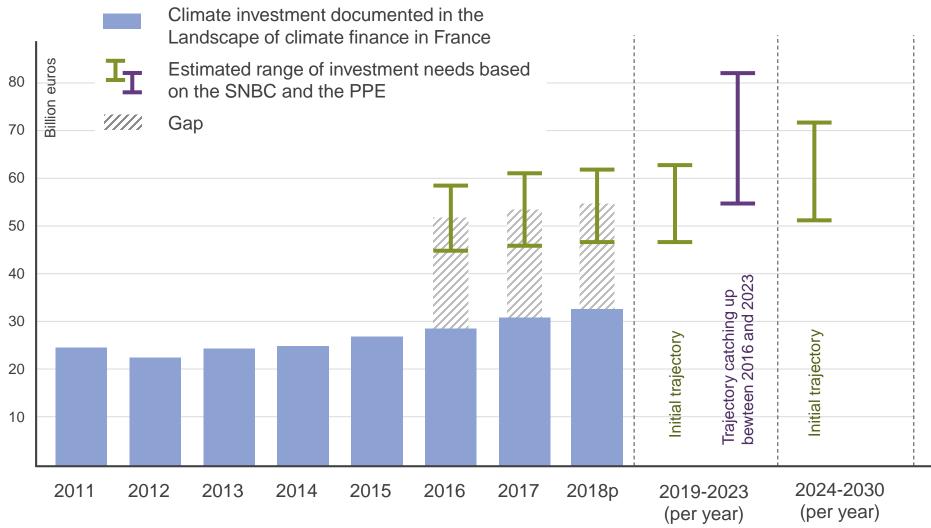
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in billion current euros





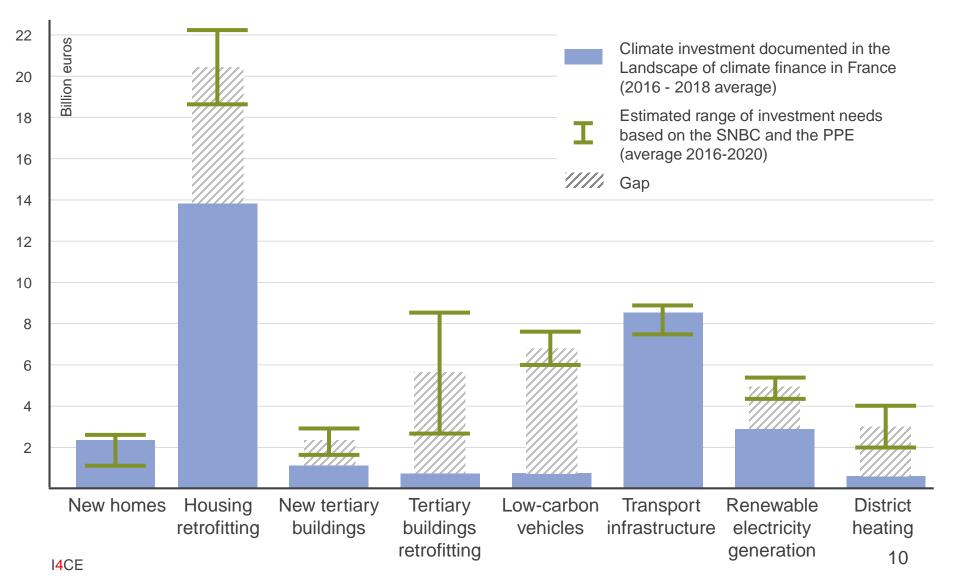
A gap of 10 to 30 billion euros per year compared to estimated needs to achieve national climate goals







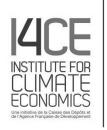
Investment gaps vary across sectors





Further extensions, challenges ahead

- Expand scope and improve coverage
 - Climate investment and finance in industry, agriculture, tertiary buildings...
- Update investment needs according to the revised national low-carbon strategy (NECP)
 - Drive projections up to 2050;
 - Improve assumptions on units to be deployed, evolution of costs ;
 - Reach beyond the scope of material equipment (behavioural change, R&D priorities)
- Build "financial scenarios" that achieve the required investment levels
 - Match financial resources (e.g. subsidies) with economic and regulatory conditions



Conclusion

Climate investment in 2017 41.2 billion euros Gap with investment needs +10 - 30

Billion euros/year

Fossil-fuel climateadverse investments

> 73 billion euros

To learn more : www.i4ce.org



Executive summary of 2018 results (EN version)



Full report and sectoral analysis of 2017 Edition results (EN version)

Thank you for your attention!

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