



Leading together towards net-zero emissions in industry

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Leadership Group for Industry Transition (LeadIT)



CLIMATE ACTION SUMMIT 2019



In Sep 2019, Sweden, India and WEF launched the **Leadership Group for Industry Transition (LeadIT)**

LeadIT is a **group of 13 countries, 15 companies and other actors** who are:

- **Committed to action to achieve the Paris Agreement**
- **Subscribed to the notion that all sectors of industry can and must progress on low carbon pathways**, while pursuing efforts to reach net-zero carbon emissions by mid-century
- **Dedicated to international and public-private collaboration** that demonstrates feasibility of net-zero pathways, and spurs others to accelerated action and increasing ambition



Secretariat



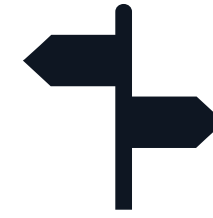
**Partnerships
for Change**

- Leadership Summits
- Industry Transition Dialogues
- Agenda setting at various events




**Evidence for
Action**

- Mapping of industry transition roadmaps
- Agenda-setting analysis
- Short perspectives



**Industry Transition
Roadmaps**

- Roadmap guidelines
- Analysis of industry transition 'hotspots' and roadmap barriers in developing countries
- Technical assistance to support roadmap processes

A photograph of a large industrial facility, likely a refinery or chemical plant, at night. The scene is illuminated by artificial lights, showing complex piping, storage tanks, and structural steel. A large white storage tank is prominent in the foreground. In the background, blue cranes are visible against the dark sky. A white diagonal shape is overlaid on the left side of the image, containing the text.

Mapping of industry transition roadmaps

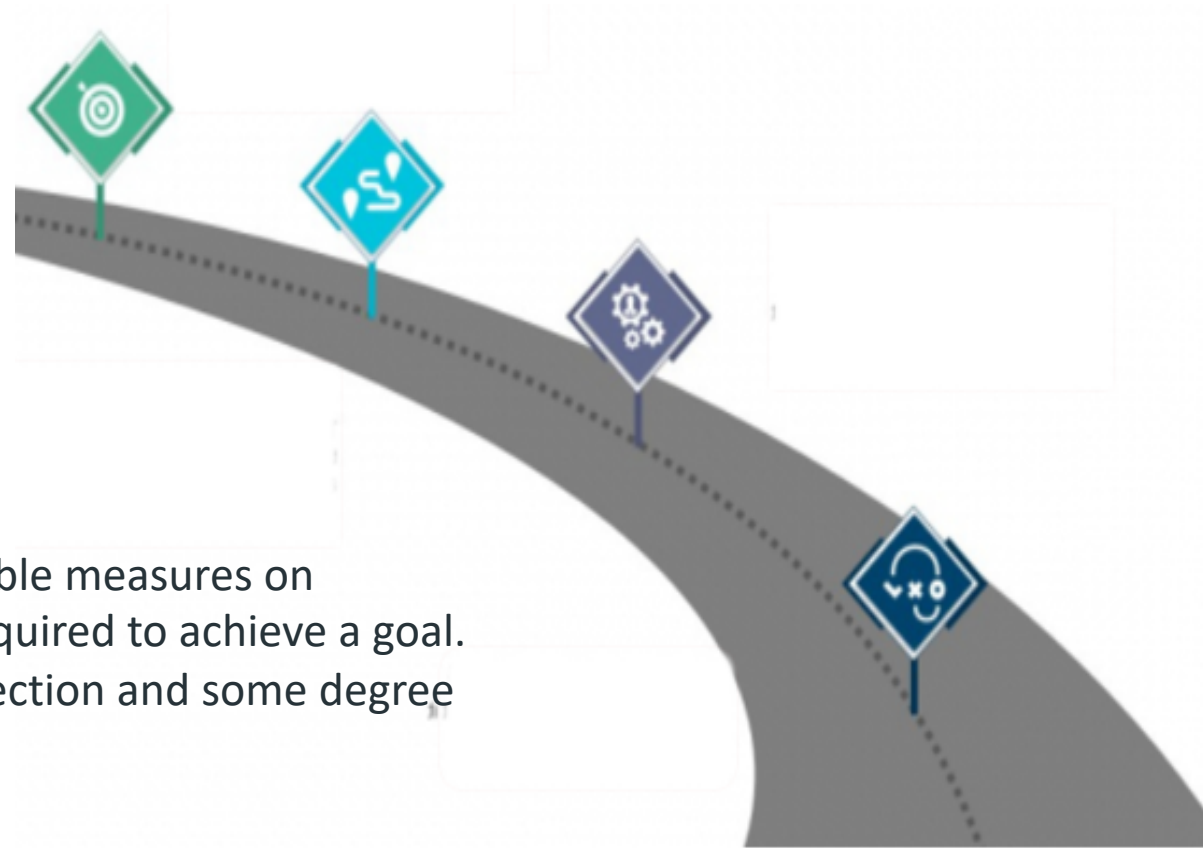
preliminary results

Visions and roadmaps

Visions are elaborations of a desirable and plausible future, emphasizing a pre-determined goal or target in the future.

Roadmaps start with a vision and try to investigate possible pathways, strategic plans, actions and policies required to reach to that point.

Roadmaps are long-range strategic plans setting out actionable measures on innovation, policy, public-private partnership and finance required to achieve a goal. Roadmaps provide essential understanding of proximity, direction and some degree of certainty in planning.



Mapping industry transition roadmaps

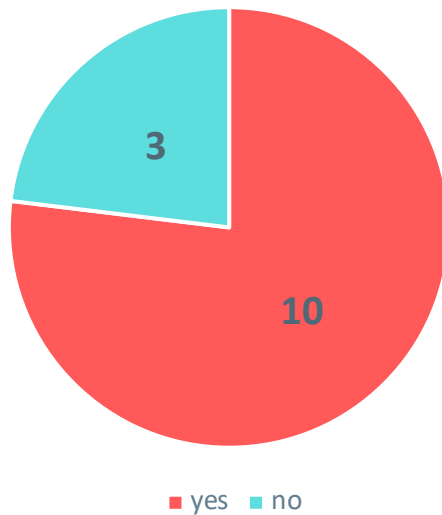
To create a good overview of global progress in industry transitions, we aim at synthesizing data on industry transition roadmaps from around the world and visualize it on an interactive online map.

Roadmaps will be mapped out based on different factors, including:

- **Visions and key targets**
- **Mitigation and transition measures**
- **Strategies to operationalise roadmap**
- **Policy needs to implement the roadmap**
- **Finance and technology needs and requirements**
- **Sectors and Industries**
- **Actors leading and commissioning roadmaps**
- **Process and methodology used to develop roadmap**

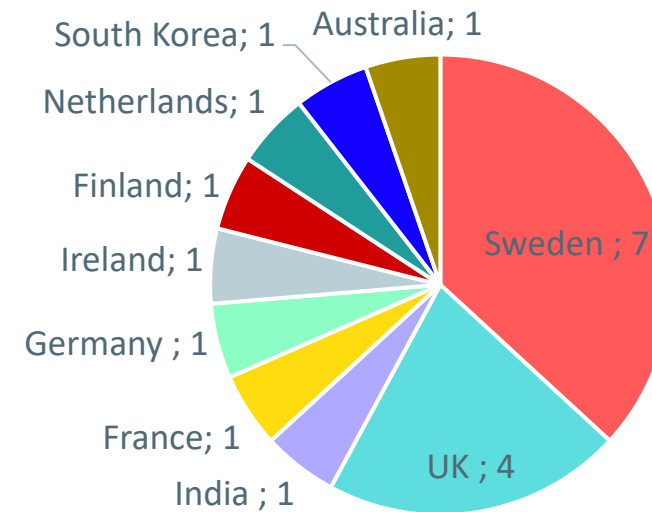
Overview of roadmaps in place

Does the Leadership Group member have an industry transition roadmap in place?



10 out of the 13 Leadership group countries have industry transition roadmaps in place. The 3 that don't are Argentina, Denmark and Luxembourg

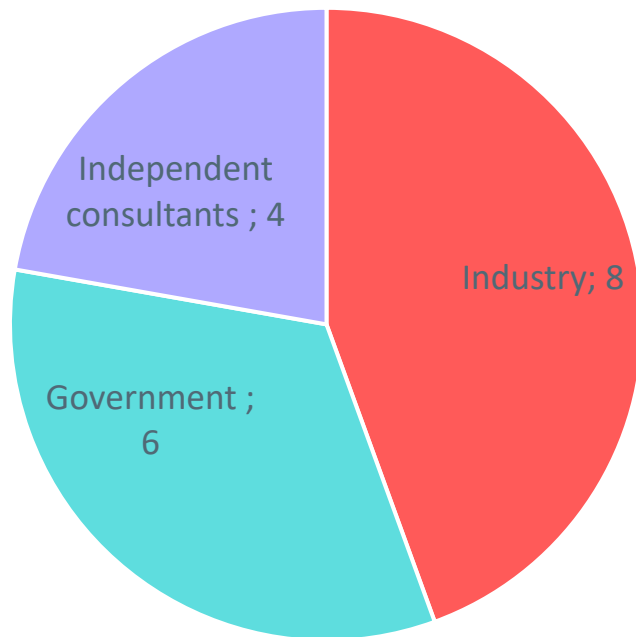
Countries with roadmaps



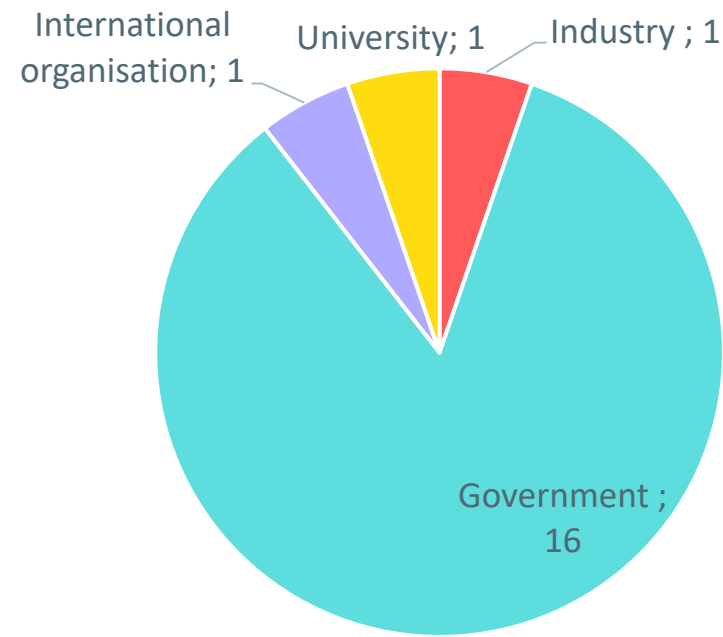
19 roadmaps in total were found, with the majority in Sweden and the UK

Who is leading these roadmaps?

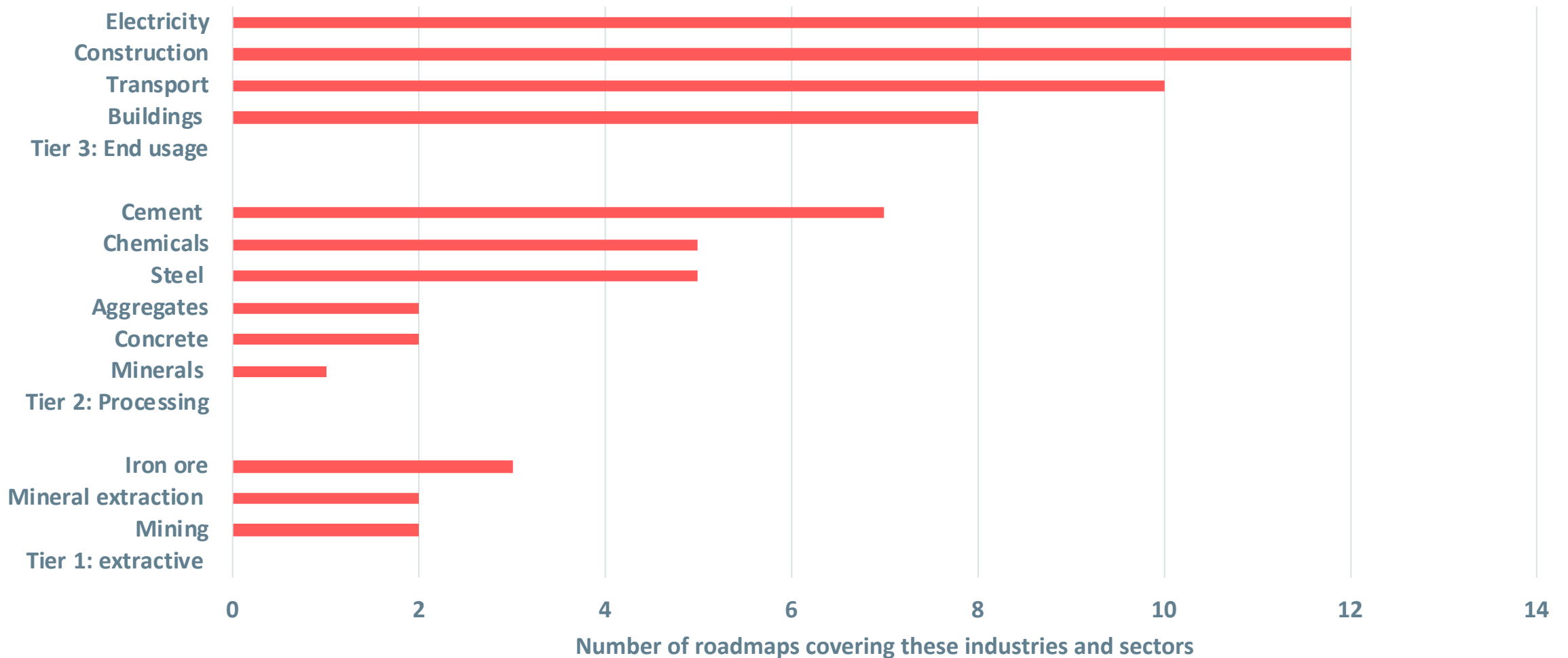
Which sector is leading the roadmap?



Which sector is commissioning the roadmap?



Industries and sectors covered by roadmaps



Prominent requirements identified

Policy requirements	Technology requirements	Finance requirements
<ul style="list-style-type: none">• Effective and reliable permitting• Emissions trading• Research and development• Legal requirements to act• Legal requirements to declare carbon impact• Incentives promoting efficient use of energy and resources• Legal instruments incentivizing CCS• Carbon budget policy or carbon taxation• Stable and predictable policy framework	<ul style="list-style-type: none">• CCS• Hydrogen• Electrification• Biofuels• Bio-based gas• Digital technologies and AI• Renewables• CHP• Energy efficiency and heat recovery	<ul style="list-style-type: none">• Financing R&D and demonstration• Investment in CCS and hydrogen• Investment in renewables and biofuels• Carbon markets• Mobilising private sector investment• Redirecting public and private finance• Smart finance packages

transition

Net-zero carbon emissions from industry by 2050

▶ Watch the video

www.industrytransition.org/