

## Steel commitment

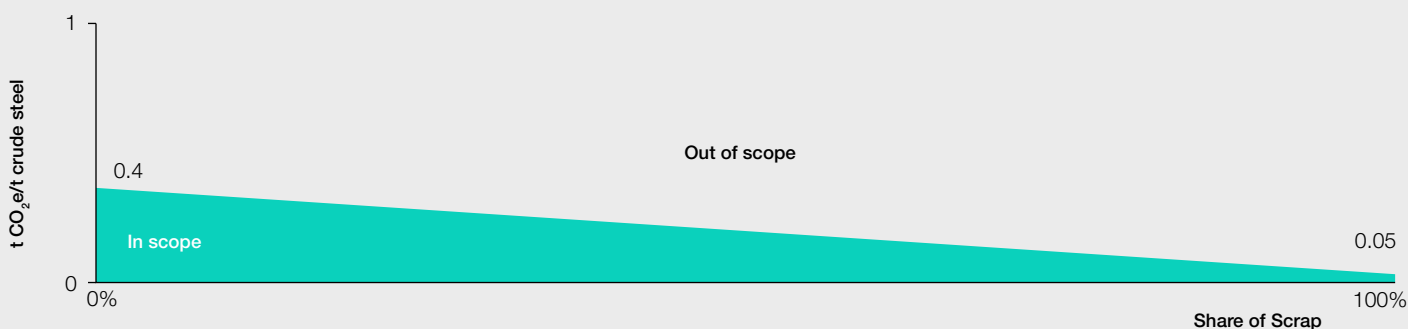
The First Movers Coalition has set ambitious commitments for purchasers of steel:

“At least 10% (by volume) of all our steel purchased per year will be near-zero emissions (as per FMC definition) by 2030”

## Commitment details

Members of the First Movers Coalition commit to purchase near zero-emissions steel satisfying the following criteria:

- Crude steel from breakthrough technology production facilities. Per IEA guidance, the steel should emit <math><0.4</math> (0% scrap inputs) to <math><0.05</math> t (100% scrap inputs) of  $\text{CO}_2\text{e}$  per tonne of crude steel produced<sup>1</sup>
- The analytical boundary for emissions is cradle-to-gate, in alignment with IEA guidance in the report *Achieving Net Zero Heavy Industry Sectors in G7 Members*



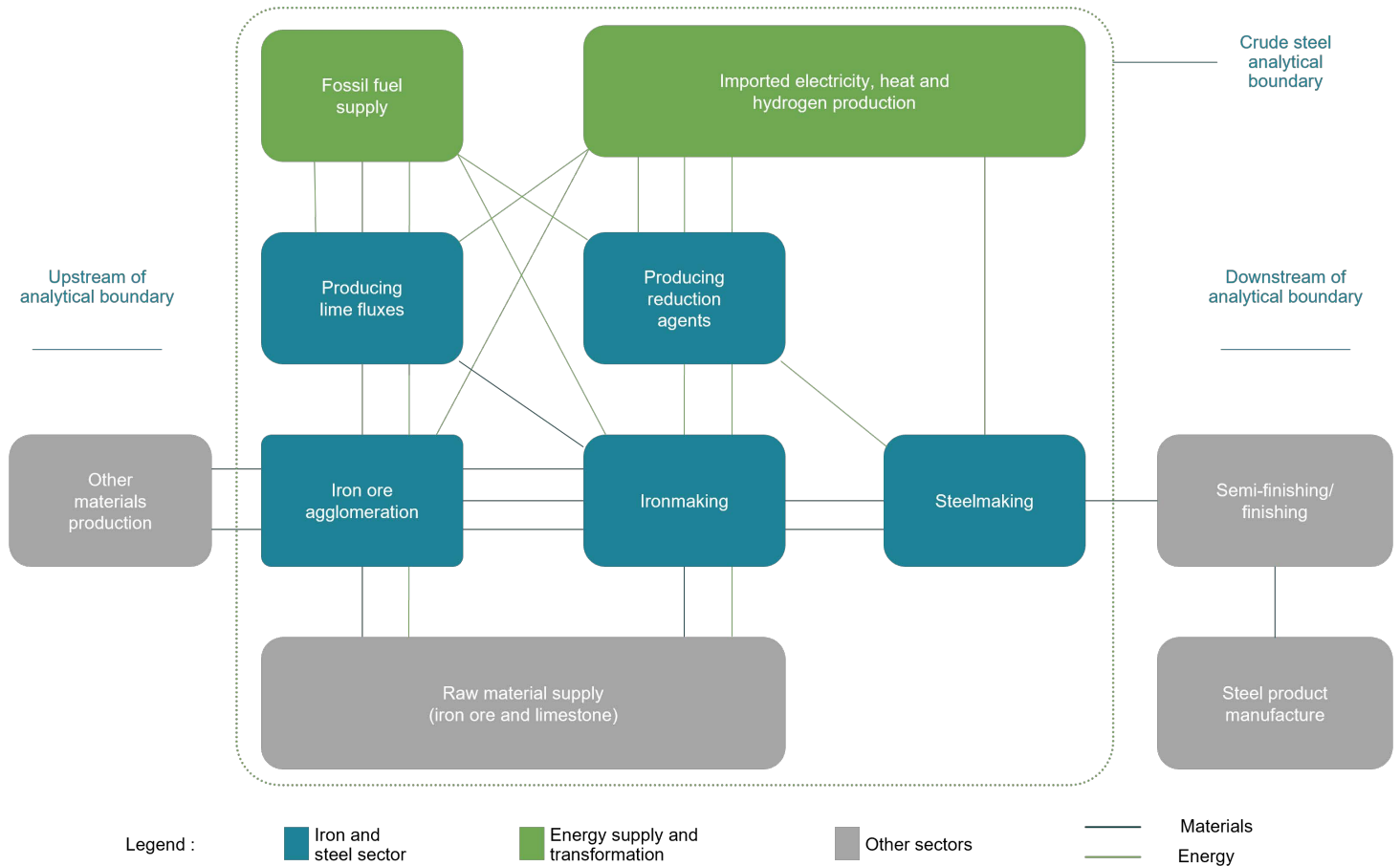
These commitments do not include steel that does not meet the sliding scale emissions threshold defined by First Movers Coalition or carbon offsets.

Leading analysis identifies that our goals are most likely to be accomplished with steel production using nascent and advanced green technologies – such as electrowinning, electrolyzers, CCUS (carbon capture use and storage) and CCS (carbon capture and storage) with existing processes or DRI-EAF using zero-carbon H<sub>2</sub>.

Voluntary commitments made by joining the First Movers Coalition are subject to the availability of technology supply that enables companies to meet their 2030 purchase pledges and acknowledge that these technologies may come at a premium cost.

The First Movers Coalition will facilitate a range of collaborations and mechanisms to support companies in fulfilling their purchasing commitments.

# IEA analytical supply chain boundary for defining near-zero emission steel production\*



\*See the IEA 2022 report "Achieving Net Zero Heavy Energy Sectors in G7 Members." In the graphic, "other materials production" refers to the production of material inputs to the iron and steel sector besides iron ore and limestone, including electrodes, alloying elements, and refractory linings. Lime-based slag formers are included within the IEA boundary and therefore should be included in the calculation of emissions.

## Design committee sector contributors

[Climate Group](#), Net Zero Steel Initiative ([Mission Possible Partnership](#)) and [Energy Transitions Commission](#)

1. FMC sets ambitious standards, including a supply chain boundary inclusive of raw material preparation (iron ore and limestone) and fossil fuel supply (including extraction, transportation, and beneficiation) through steelmaking and casting (including all iron ore and limestone processing transportation emissions; does not include sorting and transportation of steel scrap). Transport emissions of iron ore and lime products include all emissions regardless of intermediary stops between mining and steel plant.

Source: Mission Possible Partnership, International Energy Agency. Note: Commitment scope includes both flat and long steel.