



LinkedIn Live

Clearing the air: Discover the CO₂ emissions in chemical supply chains

14 July 2022, 2pm BST, 8am CDT, 3pm CEST

The challenges

What is the problem?

- Consumer, investor and regulatory pressure to report, monitor and reduce environmental impact continues to intensify
- For chemicals and plastics companies, a large portion of carbon emissions occur in the supply chain. But obtaining **primary emissions data at a supplier level**, using a consistent methodology is impractical
- Many companies are setting targets and reporting annually using **generic, aggregated secondary data** that does not allow them to demonstrate progress

When is it a problem?

- When trying to set **realistic targets** for Scope 3 reduction
- When disclosing annual Scope 3 emissions and **measuring changes to prior years**
- When trying to choose the lowest carbon intensity suppliers, or challenge suppliers to reduce
- When trying to **benchmark your carbon emissions position** against peers and industry norms



External factors driving the need for this solution

- **Increased demands from the customer** for more sustainable products and lower environmental impact
- **Environmental and ethical demands from investors** in choosing where to they want to invest and to what level
- Businesses are faced with the challenge to **reduce carbon footprint while meeting organisational needs**, such as profit and reliability
- Businesses are faced with **increased regulatory pressure** and the prospect of additional mandated reporting
- Pressure from **competitors setting climate targets** and the need to keep pace

Summary of requirements

- Major chemical companies are committing **billions of dollars** to reach their climate targets this decade
- Such companies can have worldwide emissions of more than **20m tonnes** of CO2 equivalents, which for many is a great improvement over emissions levels a few decades ago
- New emissions reductions targets for such companies task them with **cutting millions more tonnes** of CO2 equivalents
- These ambitious targets require a robust solution that provides **visibility into supplier-specific upstream Scope 3 emissions**
- Such information will **bridge the gap** between generic secondary data and primary carbon footprint data to be collected from suppliers in the future

20m

Tonnes of CO2 equivalent emissions at present from a major global chemical producer

920m

Estimated tonnes of CO2 equivalent emissions per year globally from the chemical industry

What industry says

“

Scope 3 emissions account for 60% of our total emissions. Having reliable data and working with our suppliers to calculate the carbon footprint of our raw materials is one important lever to assess and manage our supply chain in order to positively impact our Scope 3 emissions and achieve our climate targets.”

Richard Haldimann
Chief Technology and Sustainability Officer,
Clariant

CLARIANT 

Partnership between ICIS and Carbon Minds

A shared mission

Accelerate the measurement and reduction of chemical supply chain emissions.



Our solution

Comprehensive and reliable carbon emission data for chemicals by region, plant and supplier.



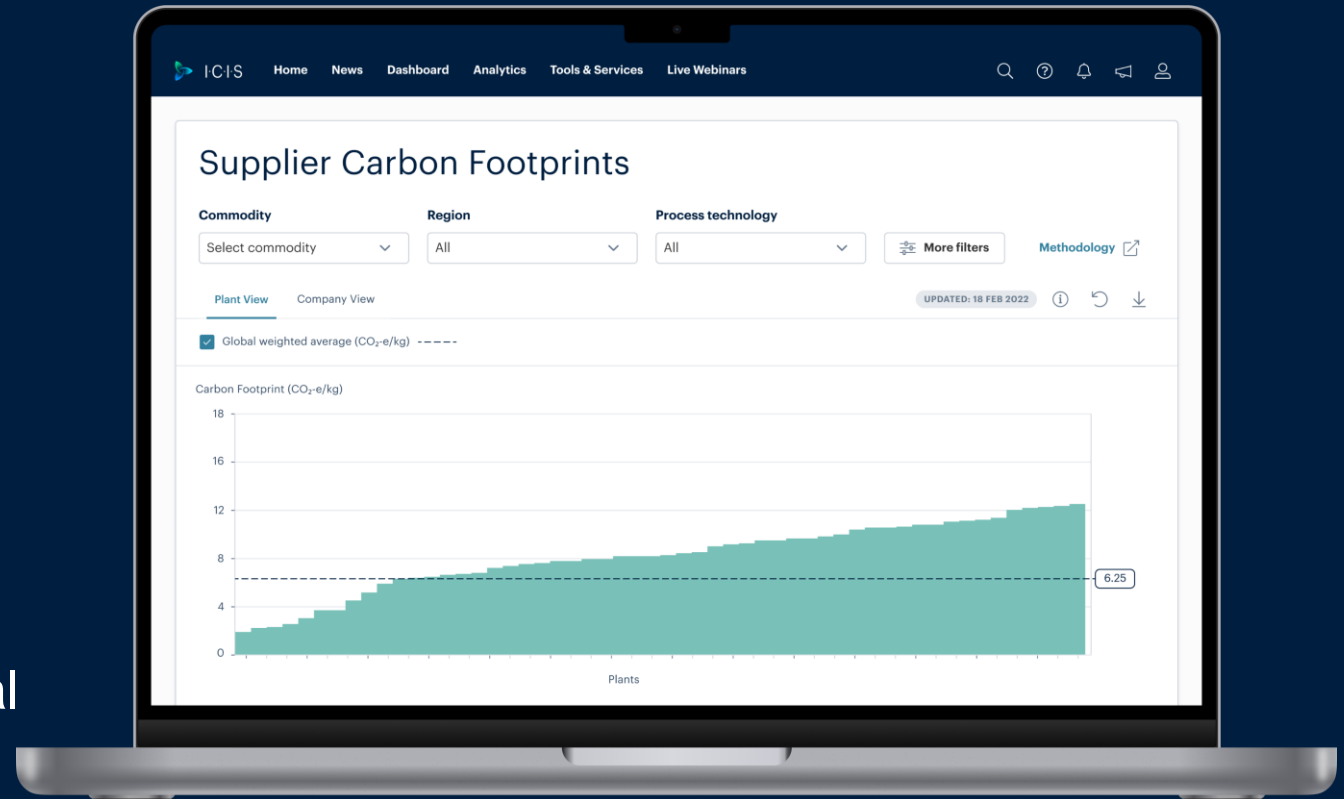
Unique combinations

We combine ICIS' deep understanding of chemical markets with ground-breaking carbon footprint data from Carbon Minds.



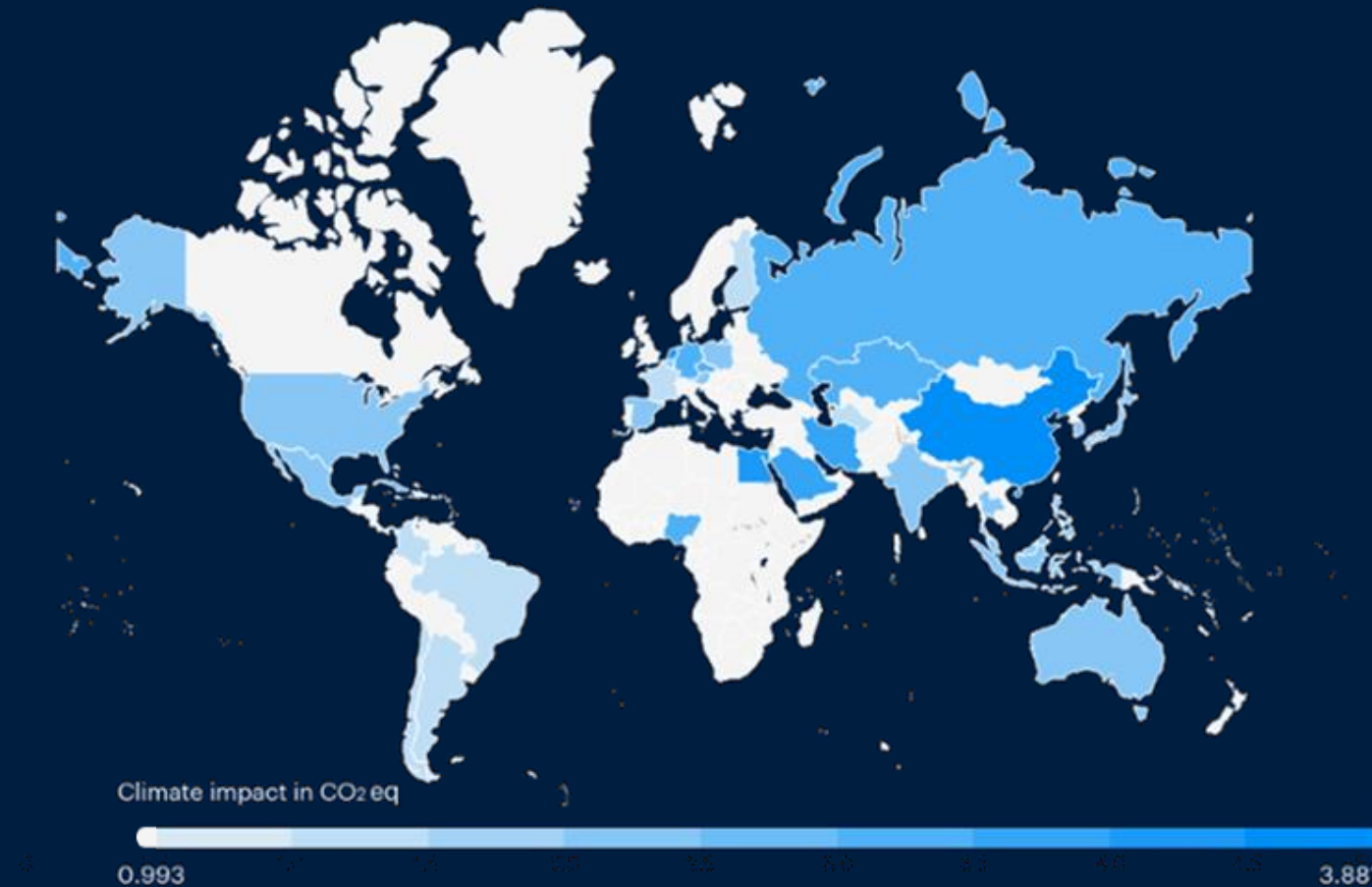
Supplier Carbon Footprints

- Carbon footprint data by supplier, plant and region
- 71 bulk chemicals and plastics present in around 95% of manufactured goods
- Third party certified ISO14040/14044 compliant methodology
- Interactive visualisation on the ICIS digital platform

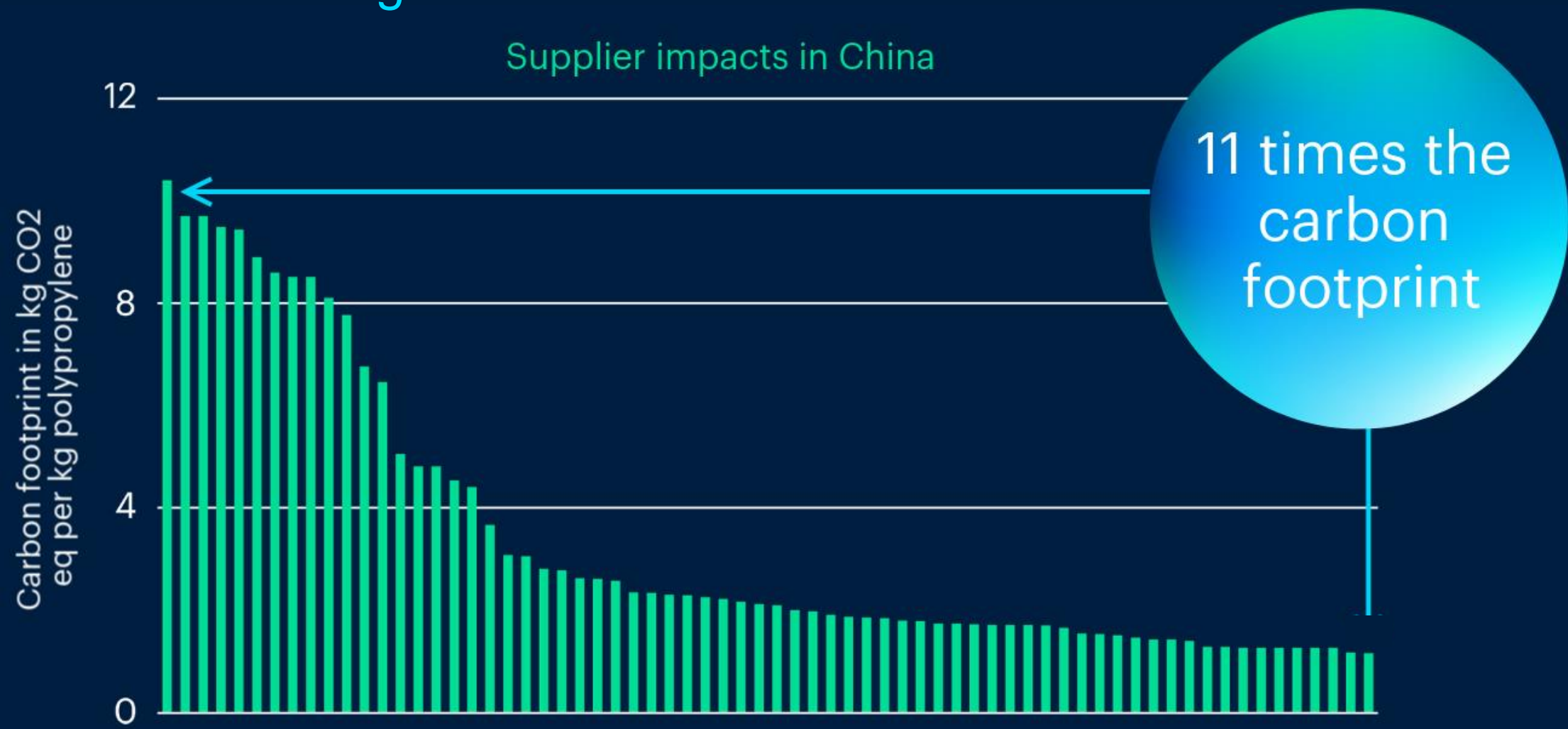


National Average Climate Impacts of Polypropylene Suppliers

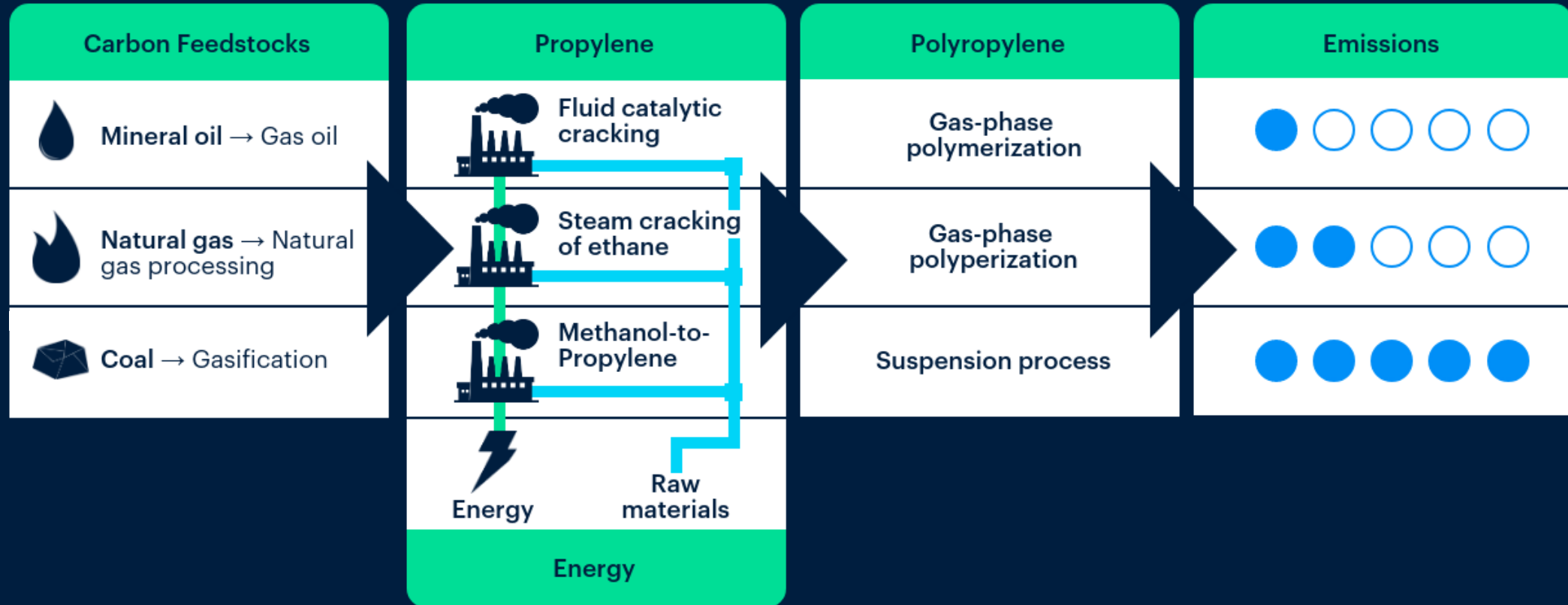
National average climate impacts show the deviation between different countries...



Supplier Carbon Footprints reveal that suppliers' emissions vary even within a single nation

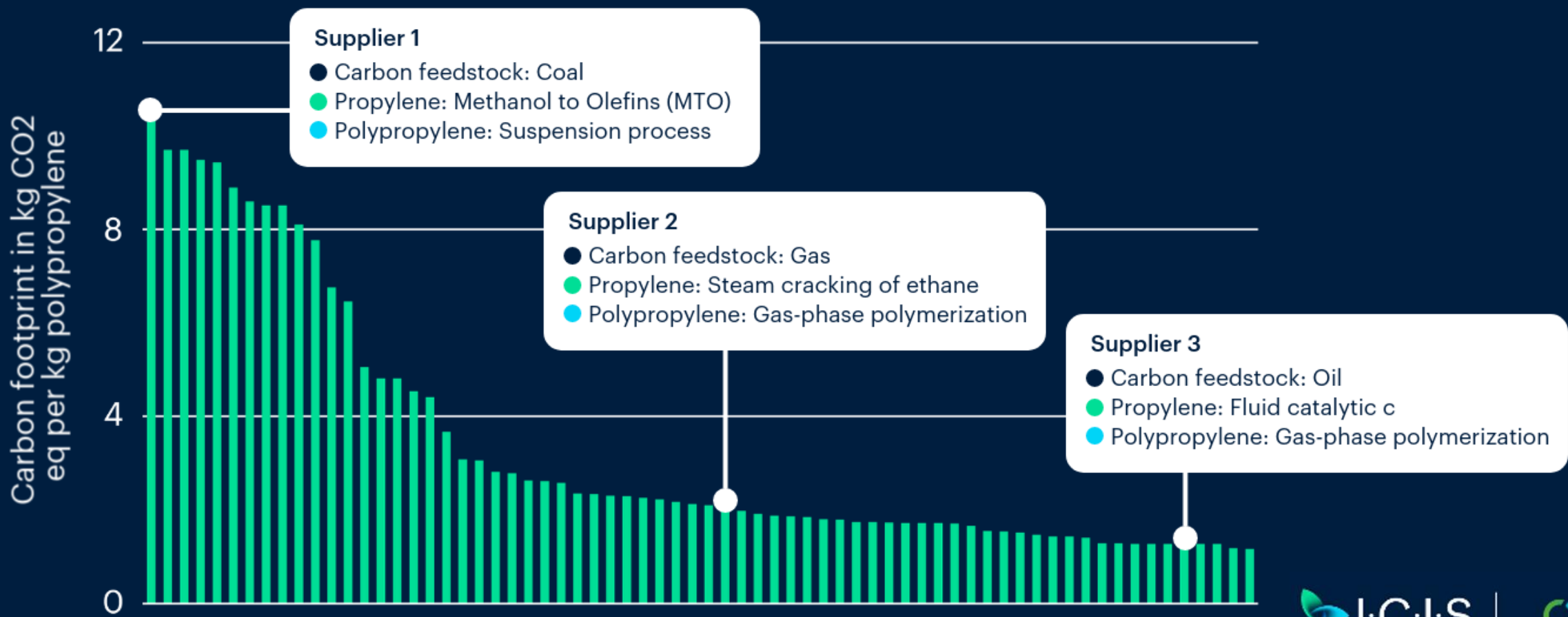


Supplier emissions vary for every chemical because of differences in the productions process

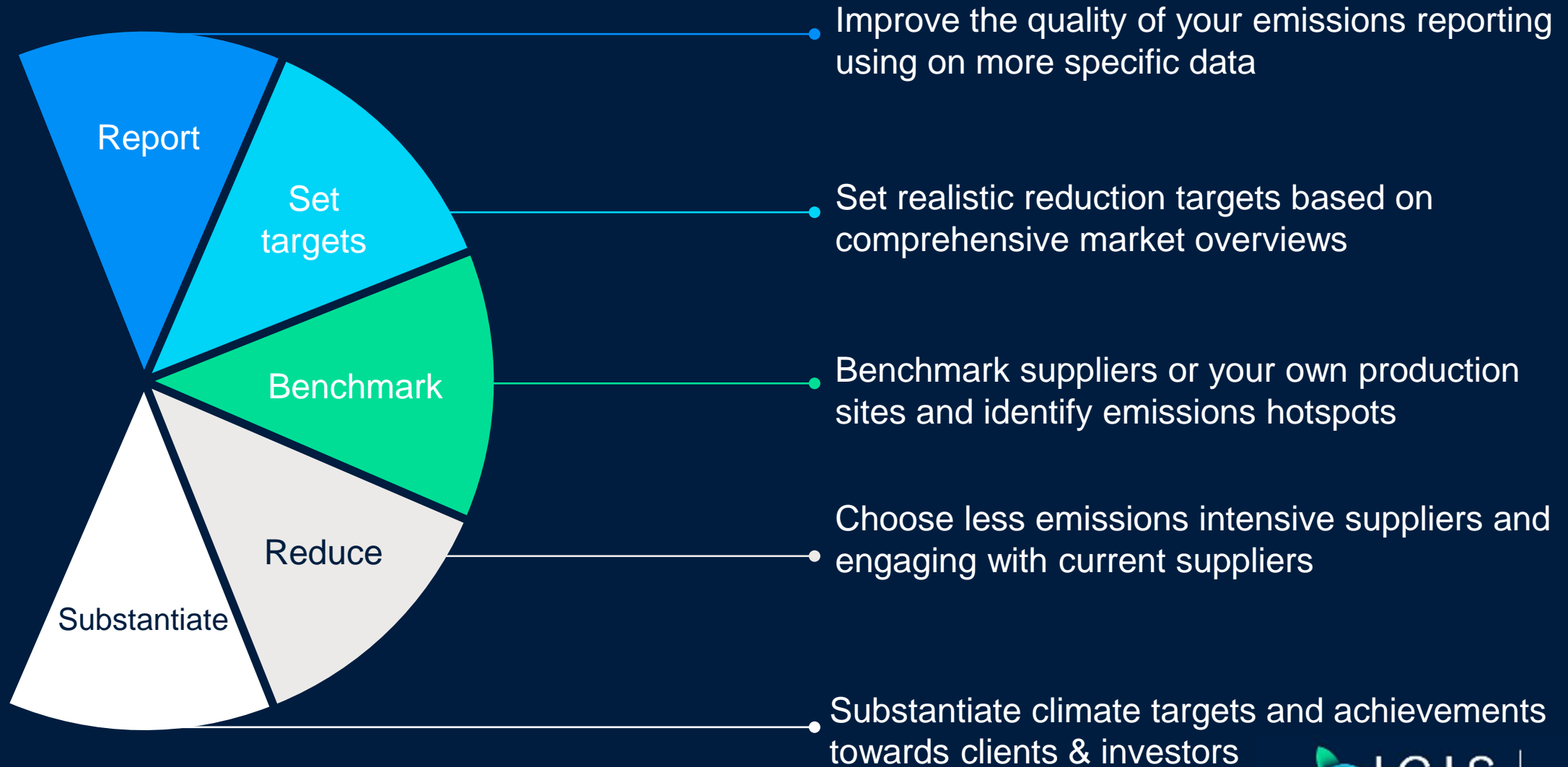


Supplier Carbon Footprints account for each suppliers' precise production process and supply chain

Supplier impacts in China



What values does supplier-specific data provide?



Discover the CO₂
emissions across your
supply chain.

Q & A