



CRU

# Emissions Analysis Tool



Powering sustainability  
strategies and results with  
high quality, standardised  
emissions data on an  
interactive analysis platform

[crugroup.com/emissions](https://crugroup.com/emissions)





Powering sustainability strategies and meaningful results for mining, metals and fertilizer industry stakeholders



PRODUCERS



SUPPLIERS



CUSTOMERS



TRADERS

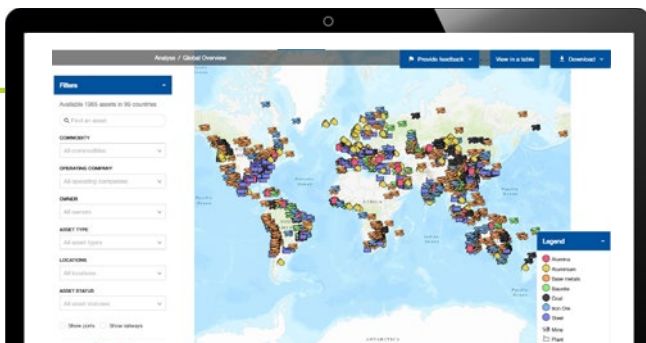


INVESTORS



POLICYMAKERS

## Interactive asset map



## Compare assets



## Emissions curves stacked by process and CarbonFlow analysis



## Key features and benefits

### Standardised Data, One Stop

Accurately analyse global carbon emissions across value chains within a single resource with standardised data. From mining to production to investment and policy decisions, standardised data informs your sustainability strategy.

### Complete Value Chain View

Understand emissions from 'cradle to gate' and make greener sourcing decisions, helping to reduce your Scope 3 emissions. Build your value chain with CarbonFlow.

### Like-for-Like Views

Compare the emissions of assets, companies and value chains on a like-for-like basis with our standardised emissions calculations

### Trust

Built from the bottom up, CRU's emissions data is reliable and accurate removing the need for additional painstaking research

### Calibration

Rely on CRU's strong methodology based on established industry standards and data reconciled with verified, reported data - including EU ETS, IAI, and worldsteel - and directly with producers

### Benchmarking

Understand where opportunities and threats are along the curve, and compare assets - instantly

### Fast Access to Data

Eliminate time spent researching, reconciling, and calibrating data and focus on meaningful analysis



## Coverage and availability



Your priorities and needs evolve, so should your solutions. We are dedicated to continuous development across our business - and emissions are no exception.

### Available today



#### Aluminium

523 assets  
2000–2030

- 128 Bauxite mines
- 126 Alumina refineries
- 274 Aluminium smelters

#### Steel

1,299 assets  
2006–2025

- 314 Metallurgical Coal mines
- 328 Iron ore mines
- 302 Steel mills

#### Transport

- Inland and ocean freight emissions connecting each stage of the value chain

#### Base Metals

763 assets

- 379 Copper mines
- 132 Nickel mines

#### Fertilizers

353 assets

- 59 Potash mines

### In development



#### Aluminium

226 assets

- Aluminium rolling mills

#### Base Metals

763 assets

- Lead/Zinc
- Precious metals

#### Fertilizers

353 assets

- 294 Nitrogen plants

**Scope 1, 2, 3 cradle to gate emissions; operator and owner company names; equity shares**

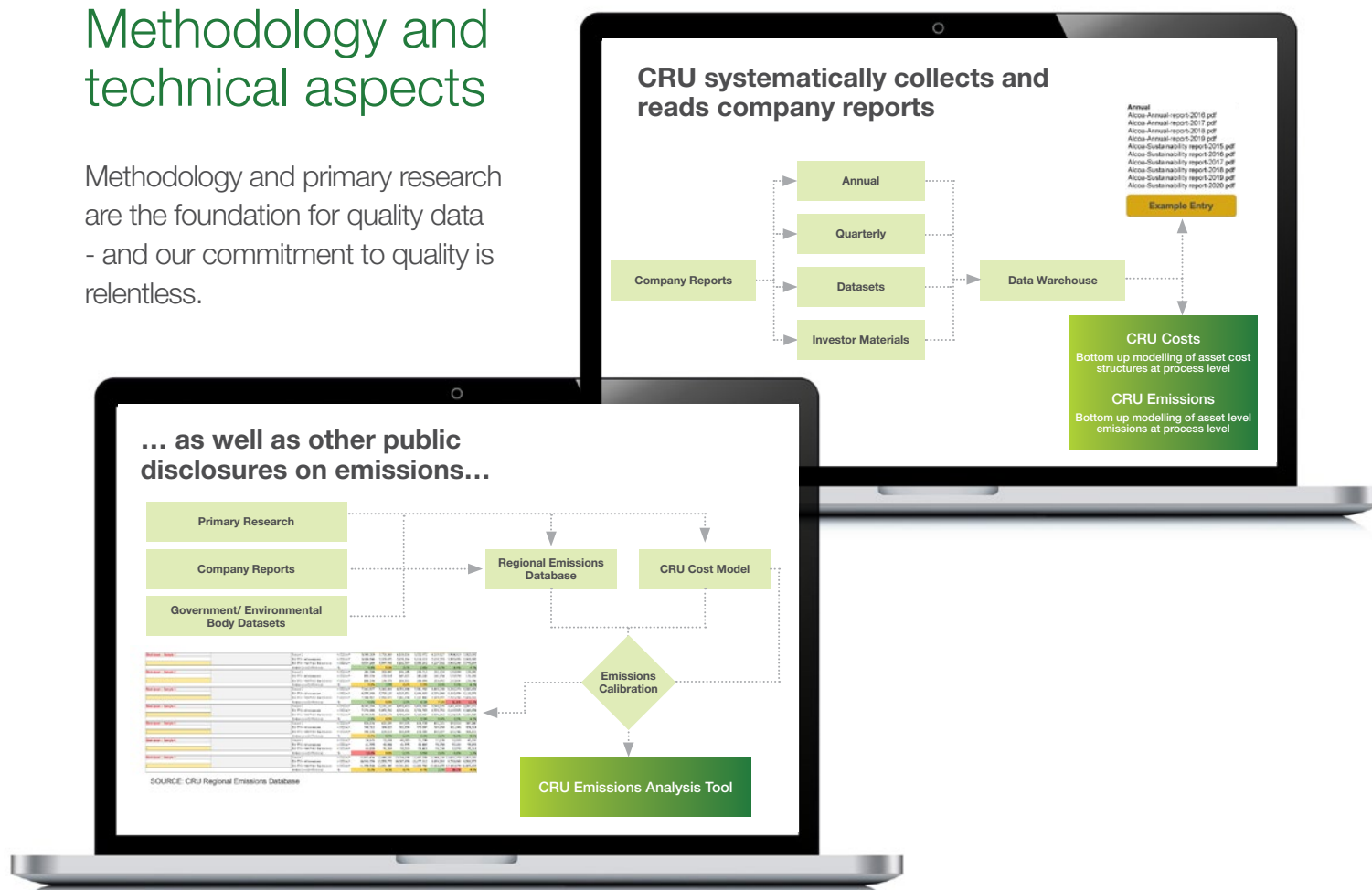


## CRU's approach:

- Understand granularity of reported data
- Gauge level of calibration through gap analysis and interpret gaps using external data
- Iterative modelling to close identified gaps and drive continuous improvement of service

## Methodology and technical aspects

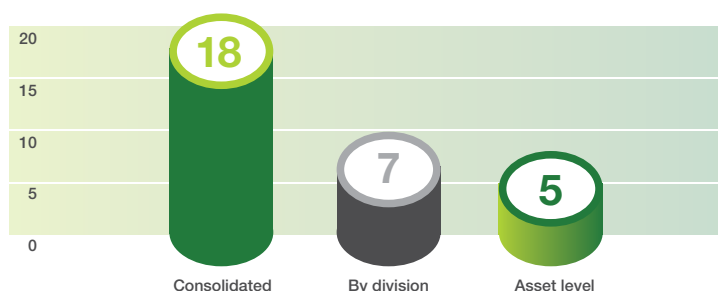
Methodology and primary research are the foundation for quality data - and our commitment to quality is relentless.



...but disclosed data often need to be reconciled to be comparable.

A sample pool of 30 mid-top tier mining companies' ESG reporting found limited granularity:

- Consolidated emissions = 18
- By corporate division = 7
- Asset level (excludes national datasets) = 5





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## About CRU


CRU is the leading provider of analysis, prices and consulting in the mining, metals and fertilizer markets. Our strength comes from our extensive network of industry contacts, our global team of analysts who have a deep understanding of commodity markets, and our unique methodologies.

Since our foundation in 1969, we have consistently invested in primary research and robust methodologies, and developed expert

teams in key locations worldwide, including in hard-to-reach markets such as China.

In 2021, CRU created a new team, CRU Sustainability, to help our clients understand new and changing policies, forecast carbon prices, benchmark emissions, and adapt to technological change.

**CRU – big enough to deliver a high-quality service, small enough to care about all of our customers.**

  
**Learn how we can help you deliver results today**

Get in touch  
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