

ATLAS OF THE CLEAN
INDUSTRIAL BASE

Solar · India

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

TRADE-BASED INTELLIGENCE BRIEF

Solar
India

\$60.2B
TOTAL EXPORTS

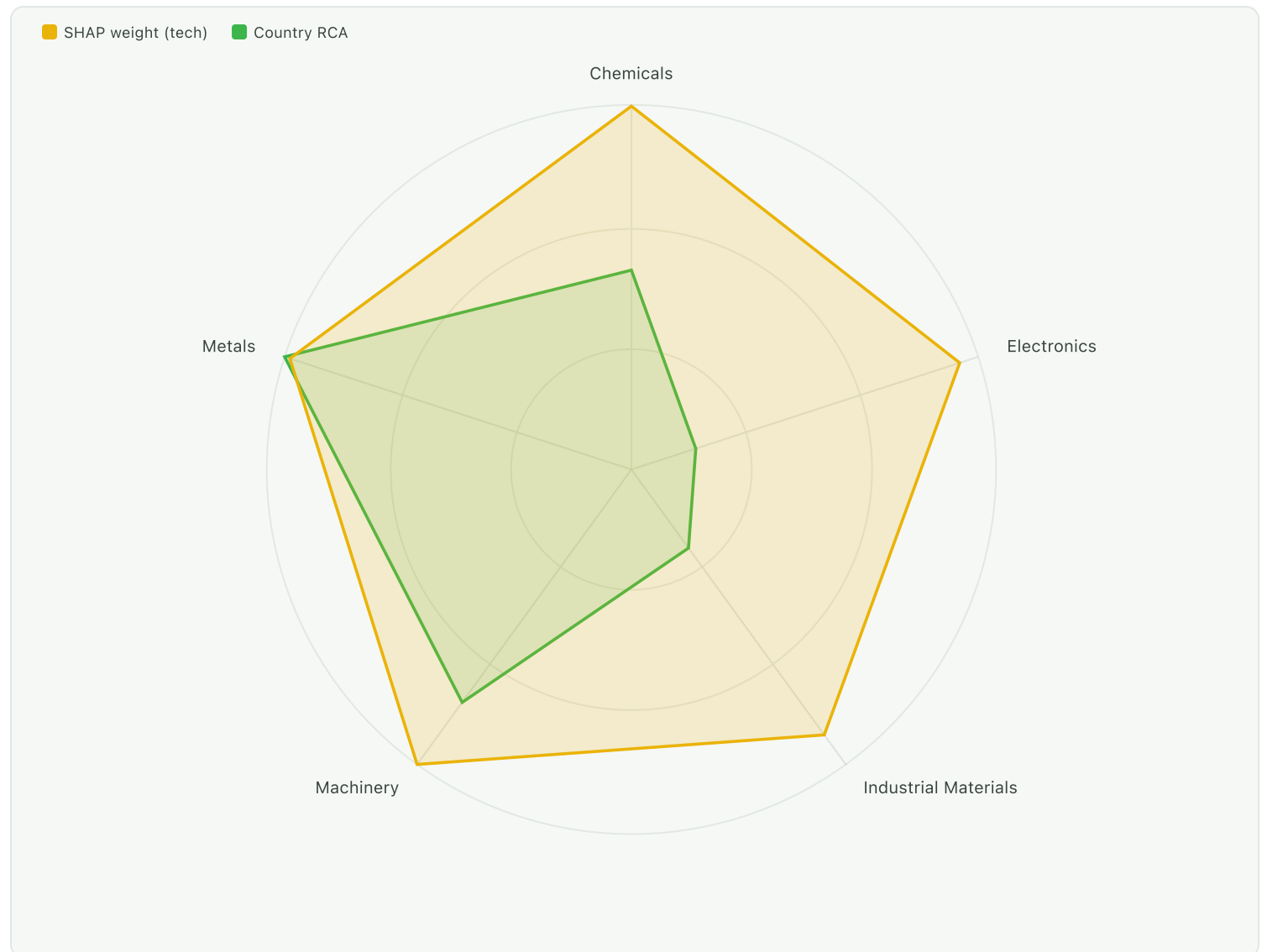
\$232.6B
TOTAL IMPORTS

80
TRADED PRODUCTS

USA
TOP DESTINATION

- 00 Overview
- 01 **Capability Radar**
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

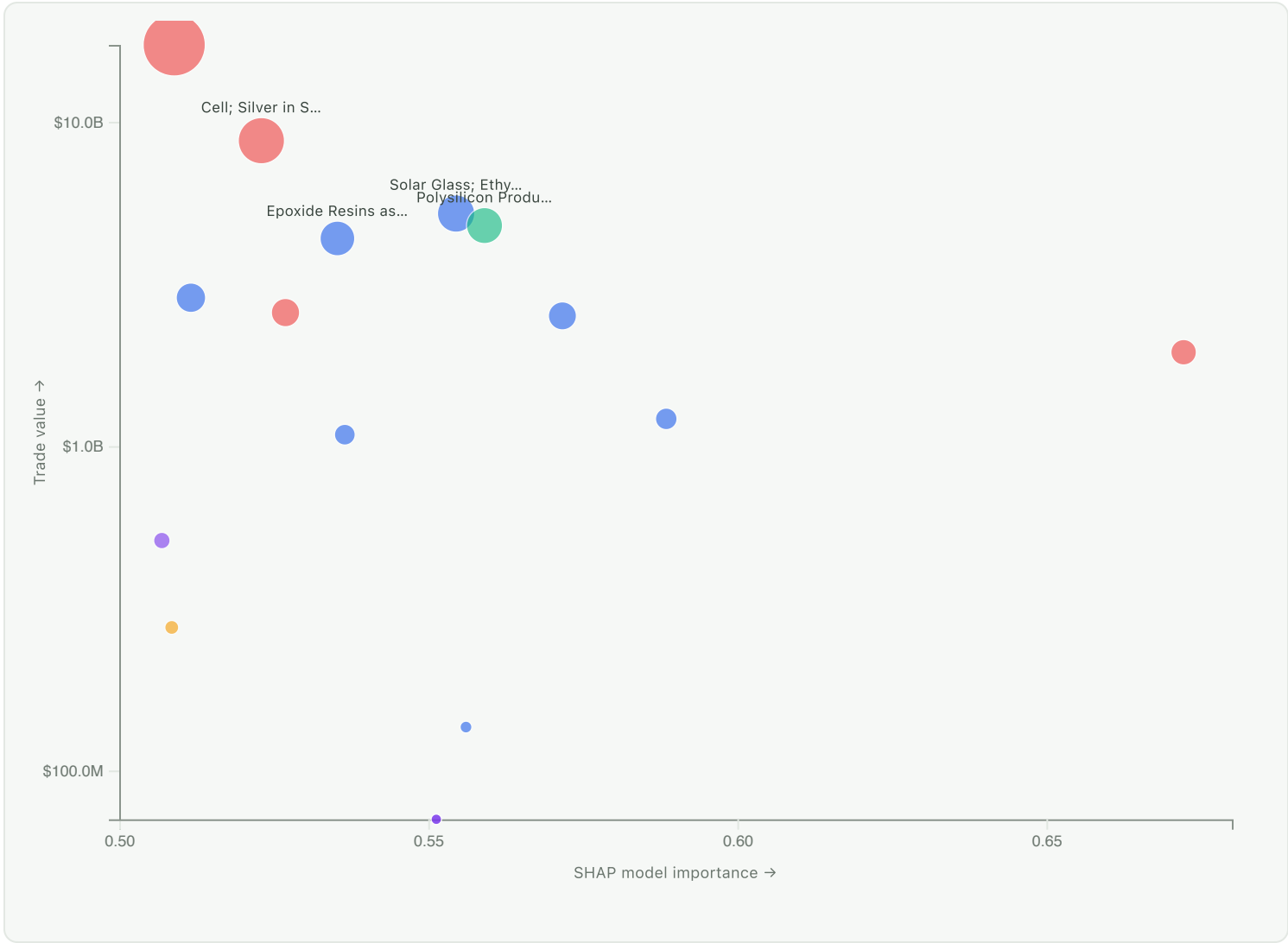
01 CAPABILITY RADAR



- Strongest revealed capability: **Metals** (RCA 0.91).
- Most model-important category for this tech: **Machinery**.

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

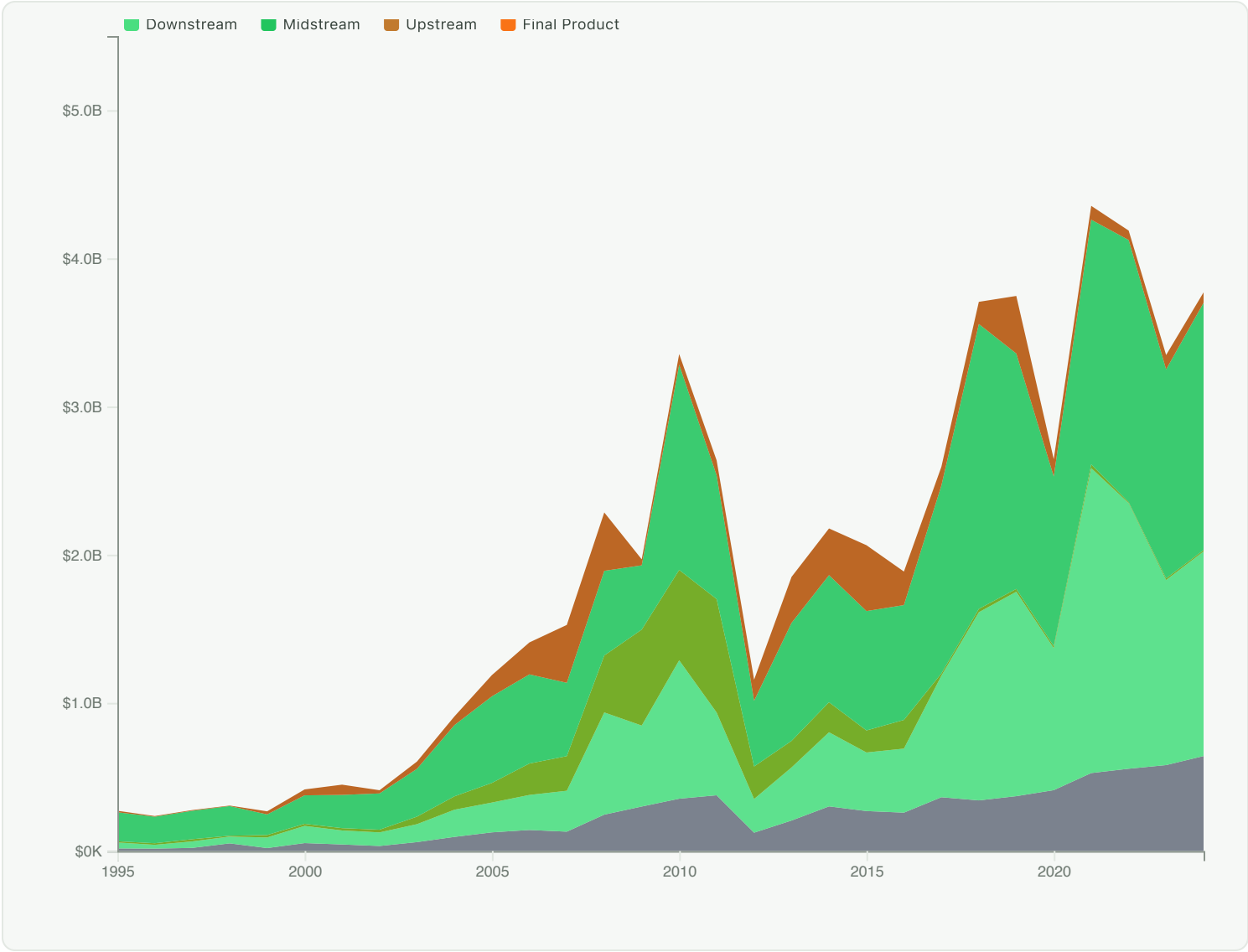
02 PC SCATTER



- 16 products scored on SHAP importance × trade value.
- Largest-value product: **Aluminum Unwrought; Alloyed** (\$17.3B).
- Highest model-priority product: **Mounting Equipment** (SHAP 0.67).

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

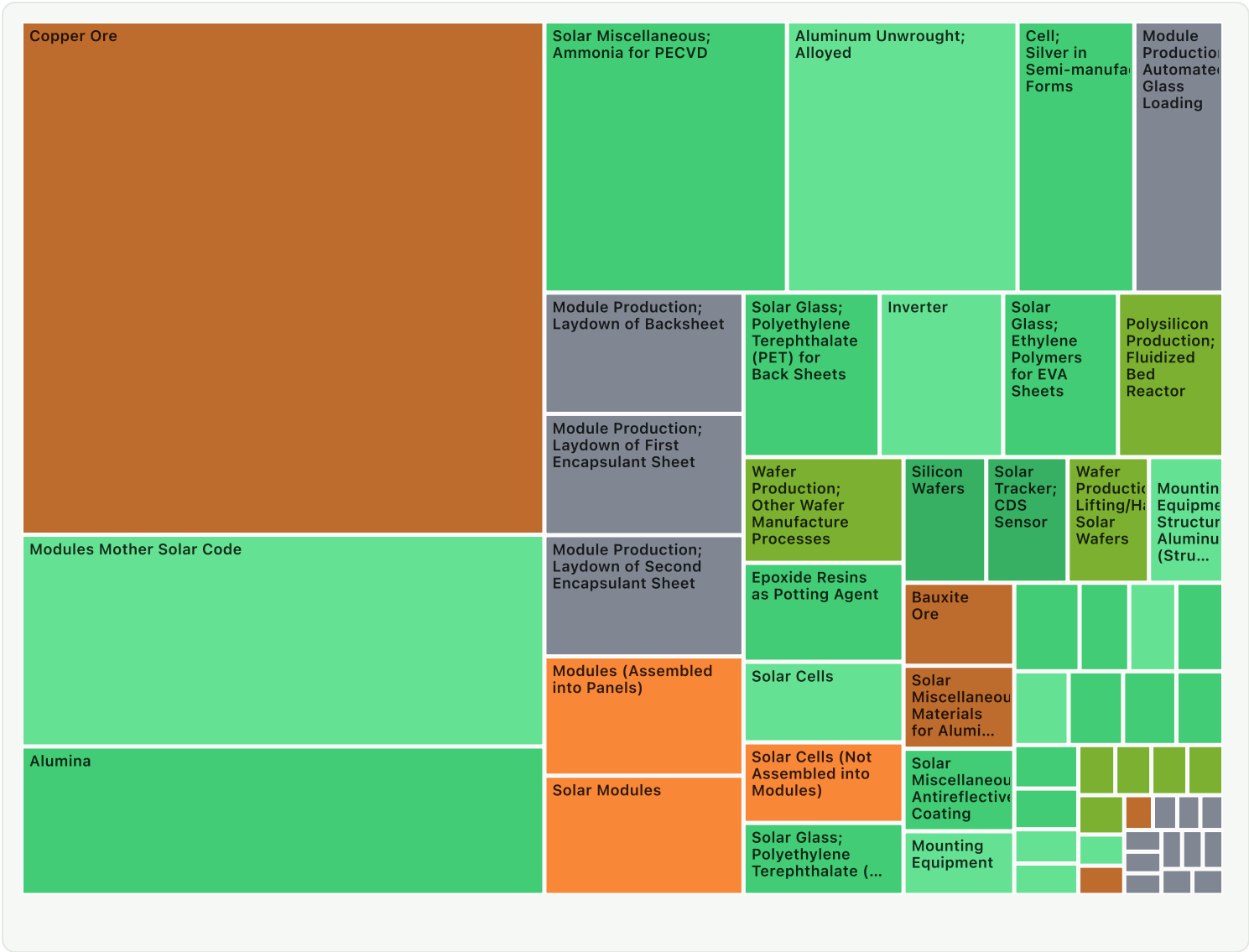
03 TRADE TIMELINE



- Exports \$271.7M (1995) → **\$5.4B** (2024).
- Largest value-chain stage by exports: **Midstream**.

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

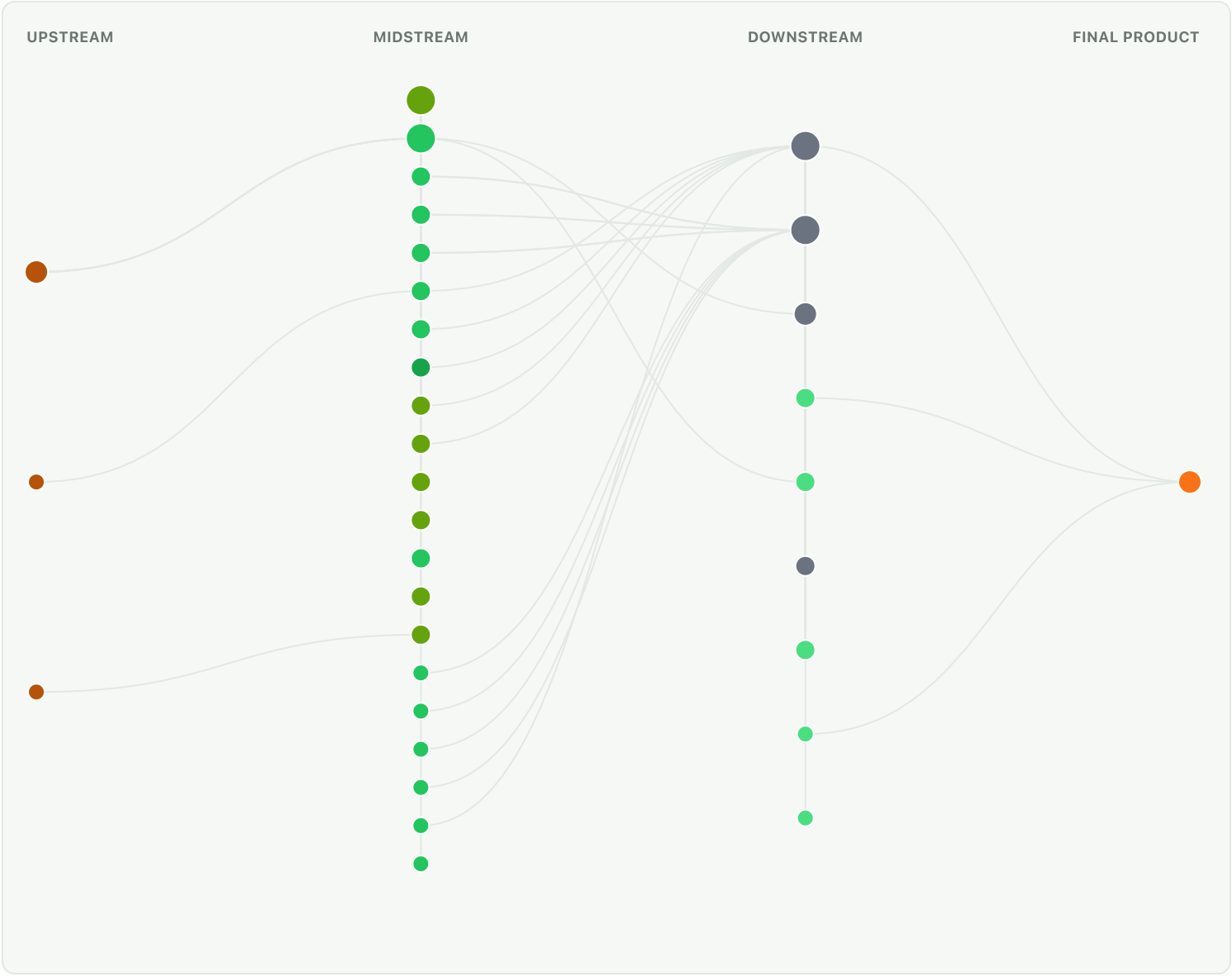
04 TRADE COMPOSITION



- 80 traded products; top product **Copper Ore** (\$74.1B).
- Composition concentrated in **Midstream**.

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

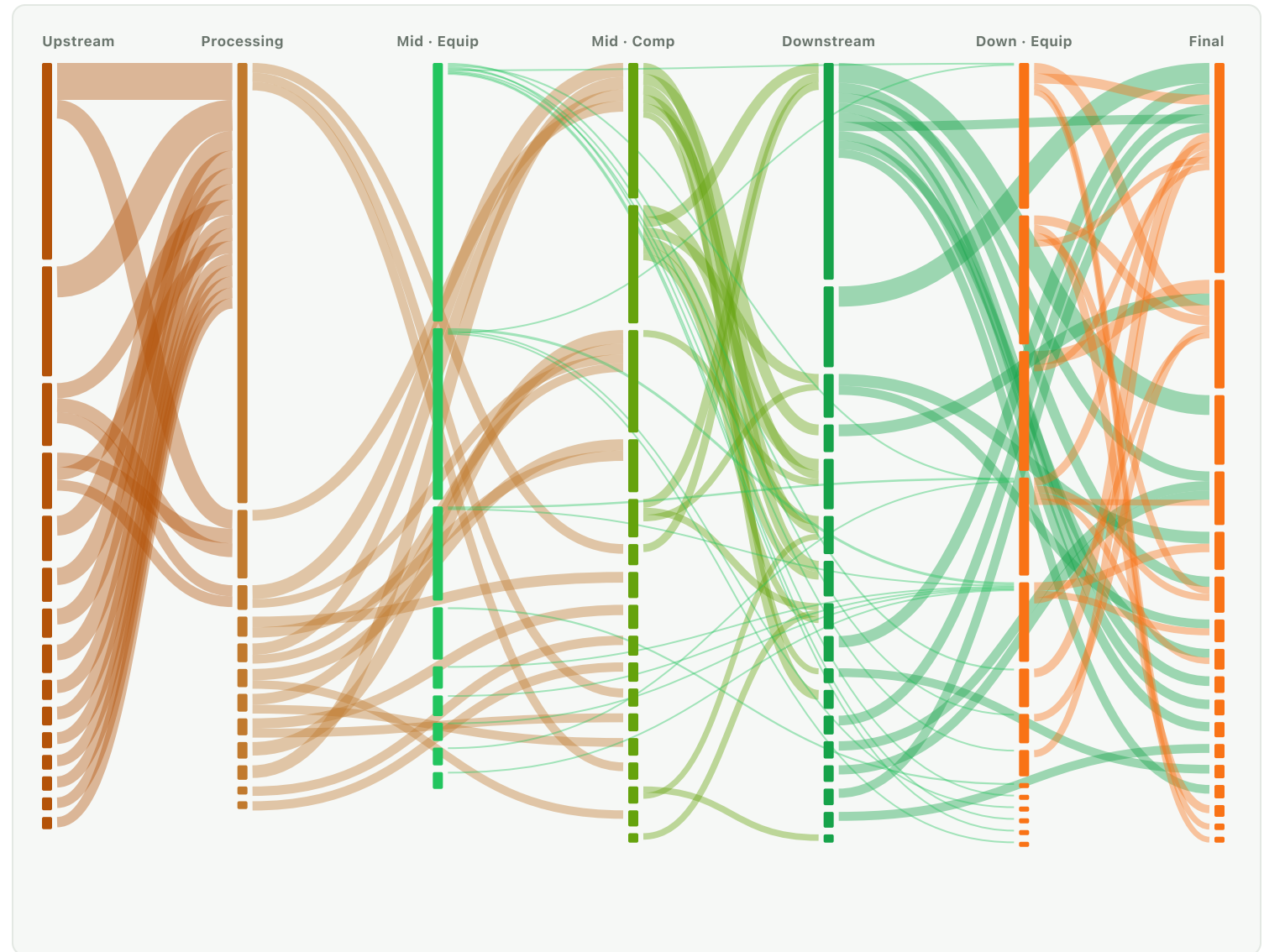
05 TECH TREE



● Production process spans **34** HS products and 60 transformation links.

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

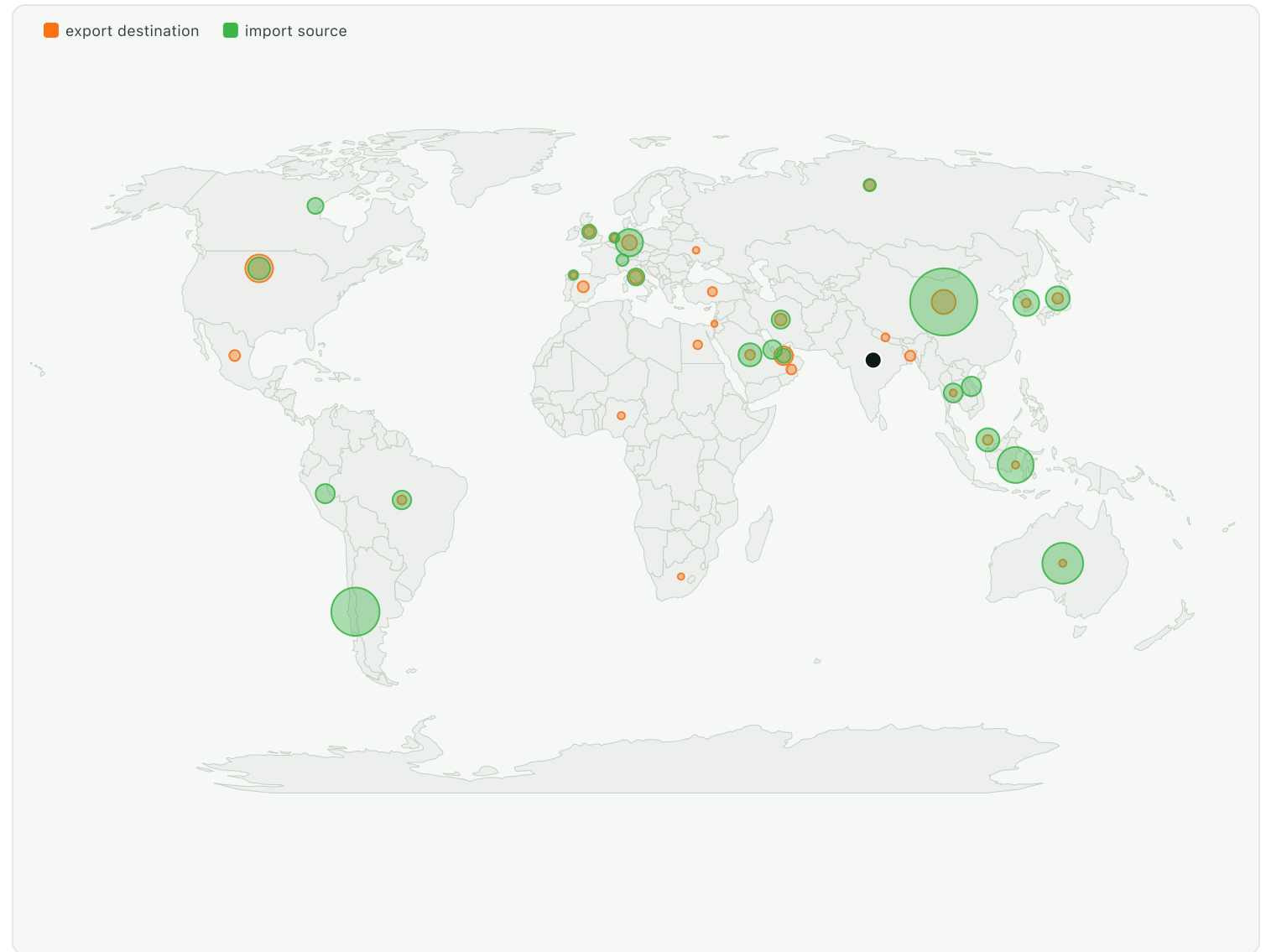
06 VALUE-CHAIN SANKEY



- 120 bilateral flows across the 7-lane value chain (\$151.8B total, 2022).
- Largest flow: **CHL→CHN** (\$15.6B).

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

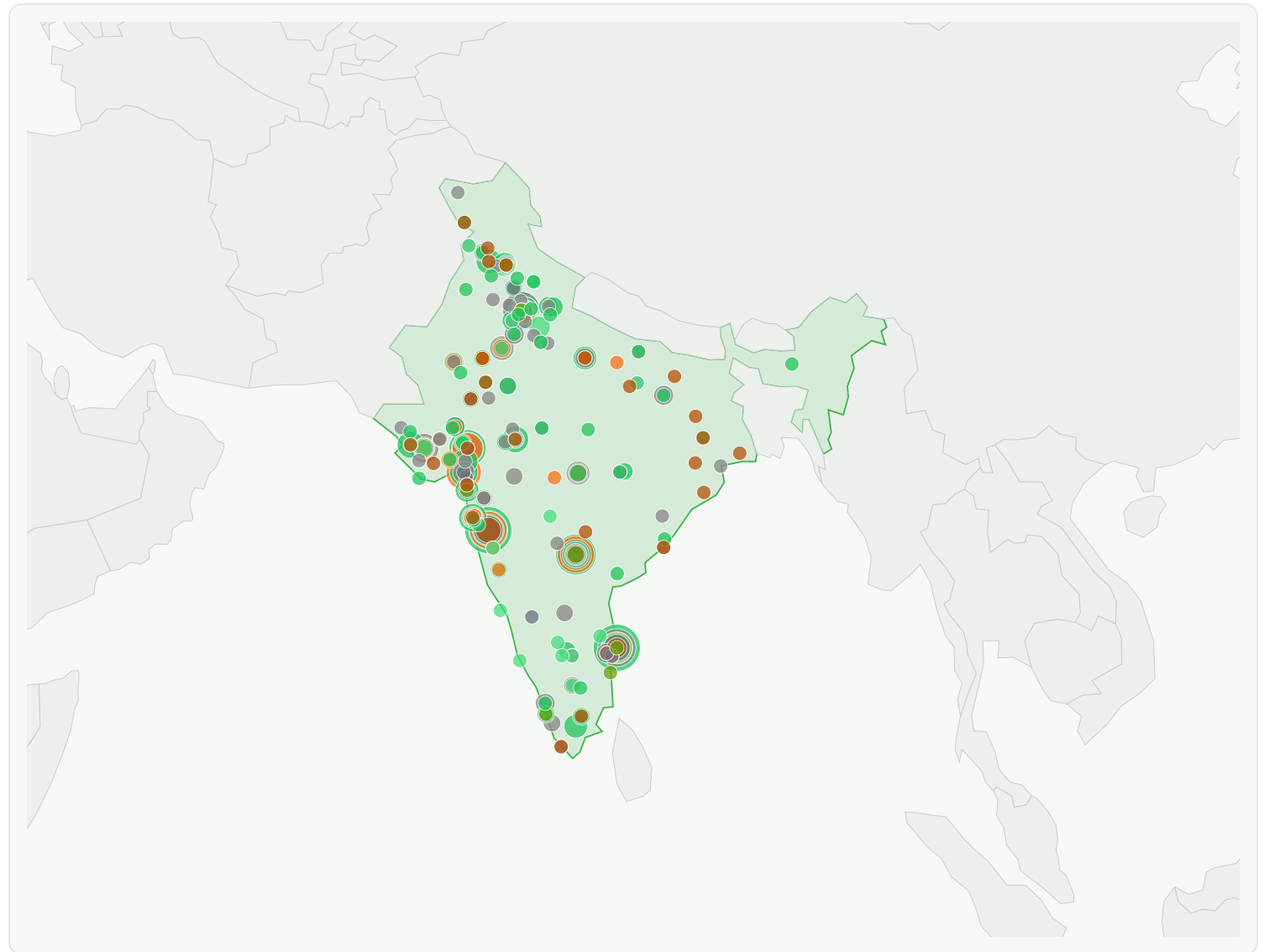
07 TRADE MAP



- Top export destination: **USA** (\$9.2B).
- Top import source: **CHN** (\$54.1B).

- 00 Overview
- 01 Capability Radar
- 02 PC Scatter
- 03 Trade Timeline
- 04 Trade Composition
- 05 Tech Tree
- 06 Value-Chain Sankey
- 07 Trade Map
- 08 Activity Map

08 ACTIVITY MAP



- **737** firm locations across 249 sites (S&P).
- Most firms at the **Downstream** stage.