Nickel in Europe

SPAIN
OVERALL TONNAGES: 99,000 TONNES

MINING: 5,000 TONNES

IMPORTING & EXPORTING
NICKEL IMPORTS: 21,000 TONNES
NICKEL EXPORTS: 200 TONNES

FIRST USE
TOTAL: 56,500 TONNES

FIRST USE
26,000 TONNES FROM RECYCLED NICKEL
30,500 TONNES FROM PRIMARY NICKEL

END USE
TOTAL: 37,500 TONNES

END USE
15,000 TONNES FROM RECYCLED NICKEL
22,500 TONNES FROM PRIMARY NICKEL

DEFINITIONS
First use of nickel: Conversion of nickel into intermediate products, such as stainless steel and alloys, which form the basis for nickel-containing end use goods.
End use of nickel: Conversion of first use nickel products into final nickel-containing goods used in wide range of end use sectors, for instance building and construction, medical devices, batteries, electrical and electronic equipment, kitchen equipment and food processing, industrial equipment, transport & aerospace.

Based on 2017 data
Economic parameters

ESTIMATED ANNUAL VALUE OF PRODUCTION*

- MINING AND EXPLORATION
  - TOTAL: €75M

- FIRST USE
  - Stainless steel: €5,767M
  - Nickel alloys: €2,372M
  - Aluminum: €787M
  - Copper: €603M
  - Foundry technology: €184M
  - Others: €171M
  - TOTAL: €1,314M

- END USE
  - Mining and exploration: €131M
  - Engineering: €158M
  - Transport: €900M
  - Unallocated: €198M
  - Electro & electronic: €136M
  - Tubular products: €131M
  - Metal goods: €131M
  - Structural products: €397M
  - TOTAL: €1,314M

- TOTAL VALUE OF PRODUCTION: €11,534M

JOBS

- Direct jobs
  - Exploration & mining: 186
  - First use: 55,668
  - End use: 9,076
  - Waste management & recycling: 958
  - Total: 65,888

- Indirect jobs
  - First use: 55,668
  - End use: 9,076
  - Waste management & recycling: 958
  - Total: 74,702

ESTIMATED ANNUAL VALUE ADDED

- Indirect value added
  - Exploration & mining: €39M
  - First use: €3,151M
  - End use: €499M
  - Waste management & recycling: €60M
  - Total: €2,770M

- Direct value added
  - Exploration & mining: €39M
  - First use: €3,151M
  - End use: €499M
  - Waste management & recycling: €60M
  - Total: €979M

- Total value added: €3,749M

Based on Socio-Economic Analysis of Nickel: Database and Evaluation tool, Dr. Thomas Höhne-Sparborth, Roskill. Based on 2017 data. For the sake of consistency, numbers mentioned in this factsheet may have been rounded. Data were extracted from UNIDO. The definitions of estimated value of production and annual value added value refer to the definitions as found in national statistical systems and databases. Material has been prepared for the general information of the reader and should not be used or relied upon for specific applications without first securing competent advice. While the material is believed to be technically correct, Nickel Institute, its members, staff and consultants do not represent or warrant its suitability for any general or specific use and assume no liability or responsibility of any kind in connection with the information herein.

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