Nickel in Europe

FRANCE
OVERALL TONNAGES: 98,000 TONNES

REFINING: 12,000 TONNES

IMPORTING & EXPORTING
NICKEL IMPORTS: 32,400 TONNES
NICKEL EXPORTS: 2,500 TONNES

FIRST USE
TOTAL: 35,000 TONNES

9,000 TONNES
FROM RECYCLED NICKEL
26,000 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
TOTAL: 51,000 TONNES

18,000 TONNES
FROM RECYCLED NICKEL
33,000 TONNES
FROM PRIMARY NICKEL

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**

<table>
<thead>
<tr>
<th>Category</th>
<th>Direct Value Added</th>
<th>Indirect Value Added</th>
<th>Total Value Added</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>€2,693M</td>
<td>€1,268M</td>
<td>€3,961M</td>
</tr>
<tr>
<td><strong>Jobs</strong></td>
<td>18,871</td>
<td>36,889</td>
<td>55,760</td>
</tr>
</tbody>
</table>

**Jobs**
- Direct jobs: 320
- Indirect jobs: 4,472
- Total jobs: 5,192

**End Use**

- **End use: €709M**
  - WASTE MANAGEMENT & RECYCLING: €94M
  - STRUCTURAL PRODUCTS: €144M
  - ELECTRO & ELECTRONIC: €113M
  - UNALLOCATED: €38M

**First Use**

- **First use: €3,060M**
  - SMELTING & REFINING: €95M
  - STAINLESS STEEL: €1,054M
  - ALLOY STEEL: €2,437M
  - NON-FERrous ALLOYS: €1,021M
  - PLATING & SURFACE TECHNOLOGY: €865M

**Wholesale Trade & Waste Collection**

- **Wholesale trade & waste collection: €188M**

**TOTAL Value of Production: €10,973M**

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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.

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