

NICKEL RECYCLING

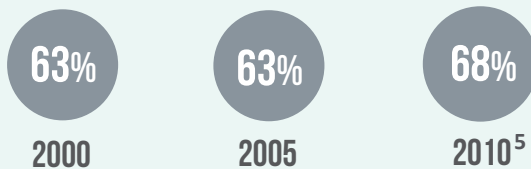
Recycling nickel is an important factor in nickel life-cycle and an important contributor to global sustainability. Products containing nickel, such as stainless steel, are durable and are in use for a long time. The demand for nickel is growing. Nickel recycling is part of the solution, as a complement to primary production.

57%
of all mined nickel is still in use due to the long lifetime of the products

USE
material recycling potential at the end of life



NICKEL END OF LIFE (EOL)⁴ RECYCLING RATE



CO₂ ↓
The global nickel-related CO₂ emissions are reduced by one third³ thanks to nickel recycling.



knowledge for a brighter future

Nickel Institute
communications@nickelinstitute.org
www.nickelinstitute.org

@NickelInstitute

Sources:

- 1 USGS Minerals information: Historical Global Statistics for Mineral and Material Commodities.
- 2 Mudd and Jowitt (2014) – A detailed assessment of global nickel resource trends and endowments. Economic Geology v. 109 pp 1813-1841.
- 3 Eckelmann M. J. Facility-level energy and greenhouse gas life-cycle assessment of the global nickel industry. Resources, Conservation and Recycling Volume 54, Issue 4, February 2010, Pages 256–266.
- 4 Declaration by the metals industry on Recycling Principle (<https://nickelinstitute.org/en/Sustainability/LifeCycleManagement/RecyclingofNickel/DeclarationOnRecycling.aspx>)
- 5 Reck B. Comprehensive Multilevel Cycles for Nickel. Internal report for the Nickel Institute, 2015.

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. Copyright © Nickel Institute 2016. All rights reserved.