



Nickel Recycling

Meeting IAP, item 6

Lisbon

10 May 2007



Recycling model 2005

Comprehensive model to estimate nickel availability from EOL of products

- to assess Ni recycling performance, and
- to assess potential Ni supply from EOL products.

Comprehensive:

- all first use industries included
- nickel use from primary and secondary sources (scrap),

but

- only Western World
- based on assumptions



Adapt model

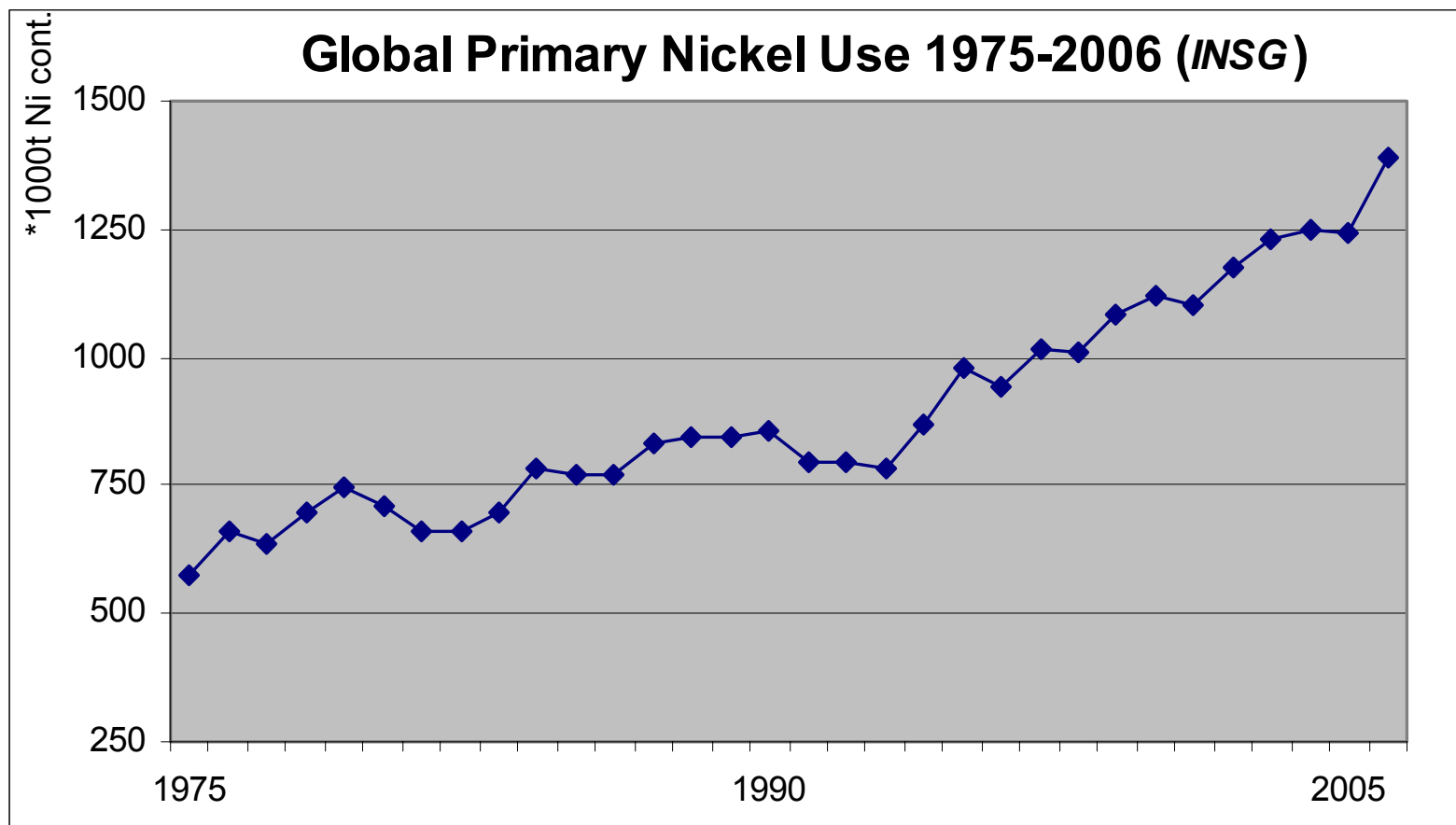
Extend to global nickel use: time series on primary nickel use in Eastern World: completed

Replace assumptions with results from first-use studies: provisional results “study on Ni use in stainless steel” available

Resulting in: new model estimates of nickel availability in EOL scrap (old scrap)

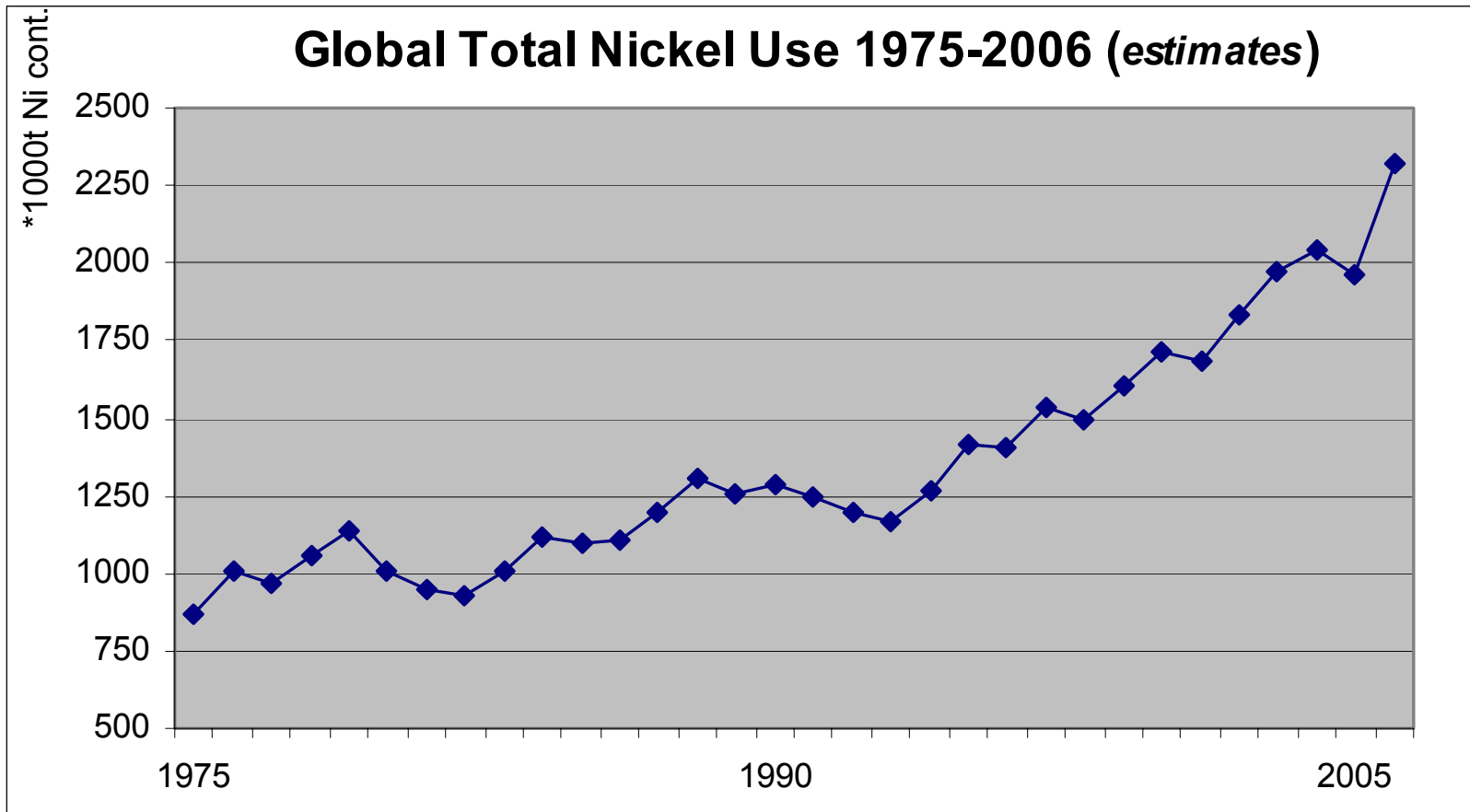


Primary nickel use



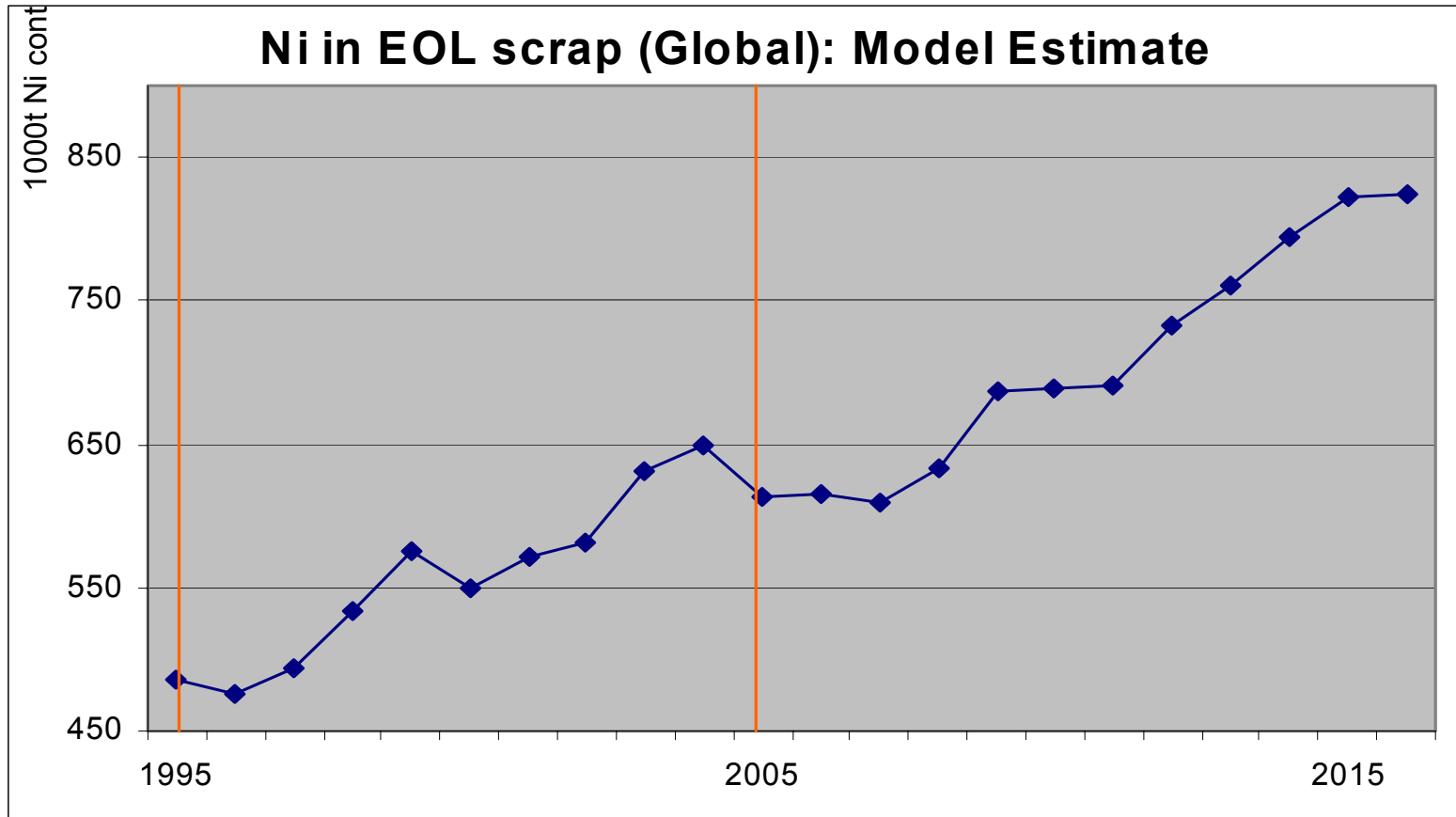


Total nickel use





Ni in EOL Scrap





Assumptions

Lifetime of nickel containing products

➤ 20 – 25 years:

Therefore:

Estimated availability of “old scrap” in 1995
to 2005

➤ relates to nickel use in 1975 ~ 1985



EOL scrap

