



The ICT industry

-A backbone for Swedish and European competitiveness

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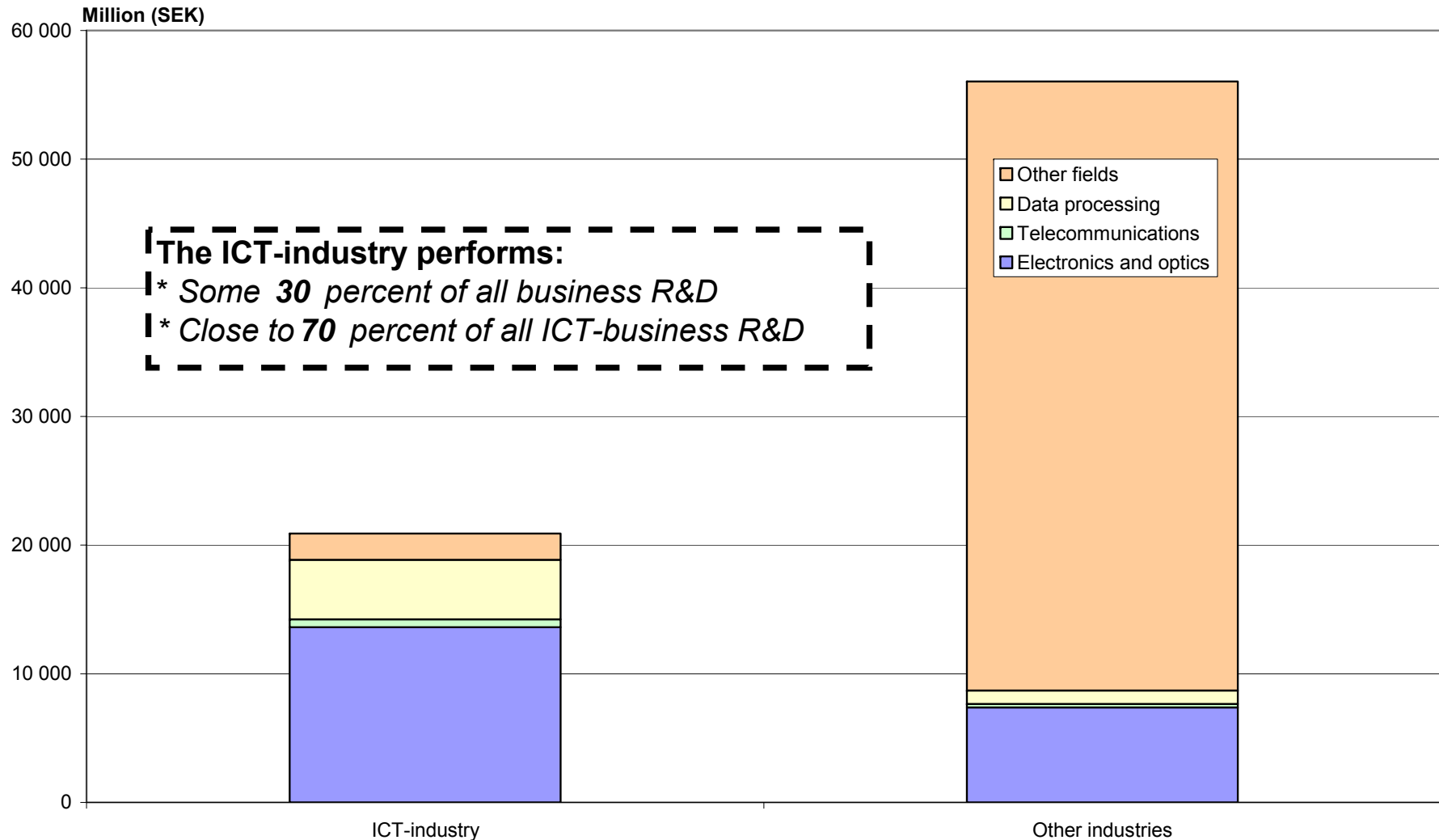
The ICT-industry is a strategic asset for Sweden and Swedish competitiveness

The ICT-industry contributes to:

- Knowledge creation
- Value creation
- Job creation

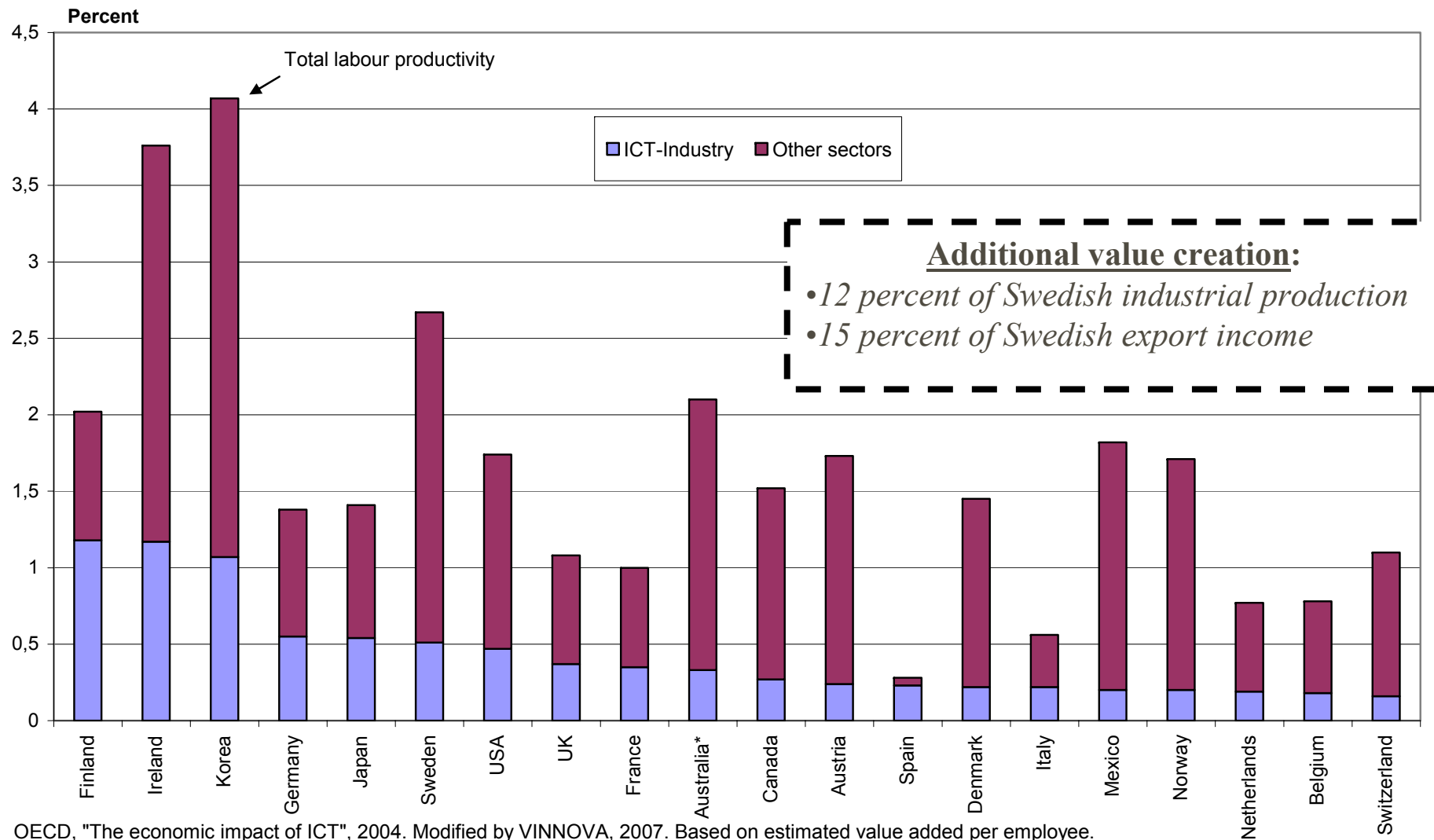


Knowledge creation - R&D investments by the ICT industry and other industrial sectors, 2005





Value creation - Average annual growth in labour productivity, 1996-2002 (Percent per year)

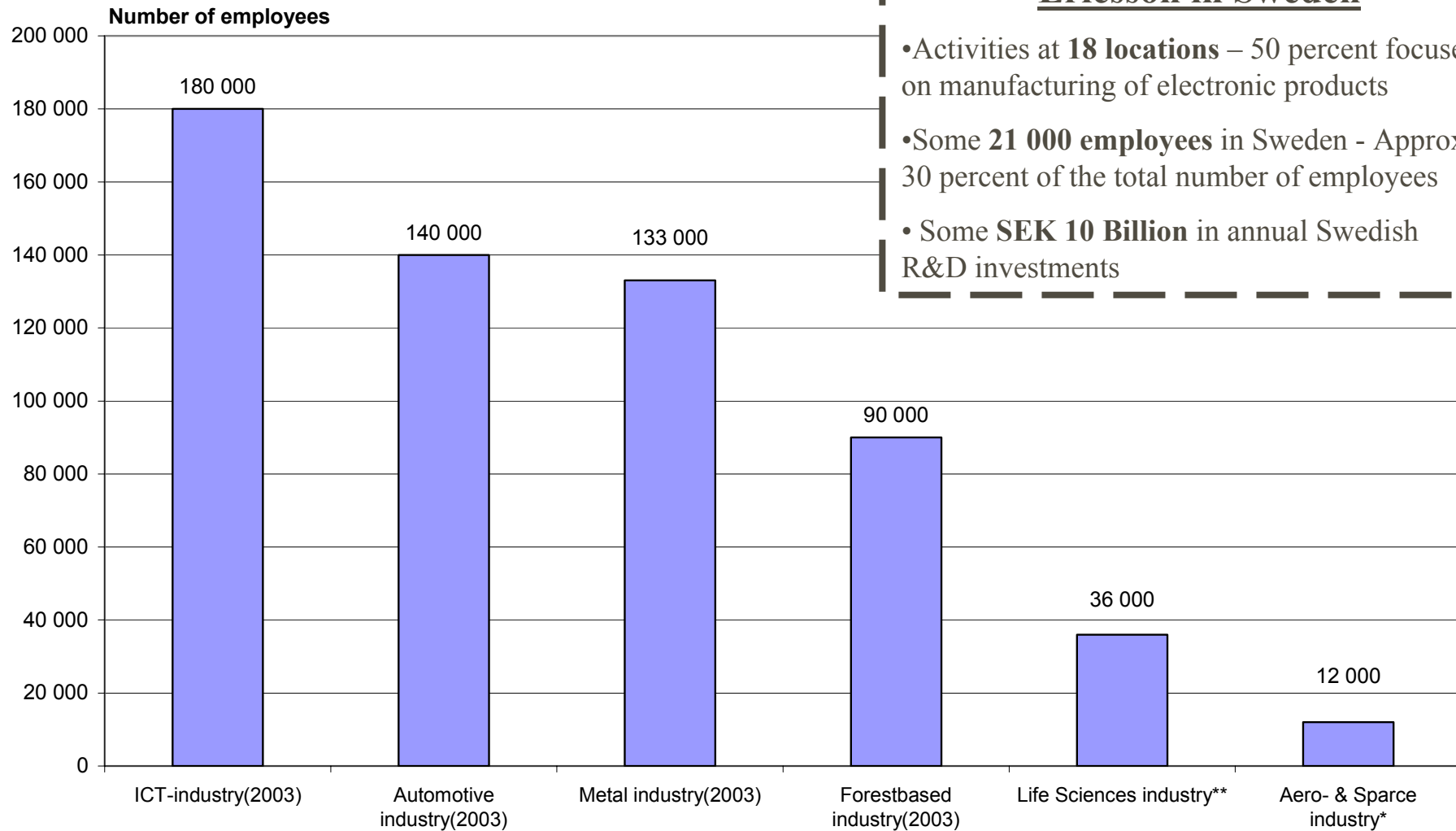


OECD, "The economic impact of ICT", 2004. Modified by VINNOVA, 2007. Based on estimated value added per employee.

* = Only manufacturing ICT-industry



Jobcreation - *Number of employees in strategic sectors, 2005*



•Ericsson in Sweden

- Activities at **18 locations** – 50 percent focused on manufacturing of electronic products
- Some **21 000 employees** in Sweden - Approx. 30 percent of the total number of employees
- Some **SEK 10 Billion** in annual Swedish R&D investments

Source: Swedish Gov. Offices, 2005 . Modified by P. Sandgren, VINNOVA, 2007. * = Sub.suppliers excluded. ** = Biotech included

Policy challenges facing the ICT-industry in Sweden and where European cooperation is necessary...

- Difficulties of keeping a **technological leadership** at the national level.
- Lack of sustainable **long-term, joint commitments** (and financing) from institutes, universities, enterprises and public actors. (R&D cooperation)
- Downsizing of **defence related R&D** and orientation towards “dual use” (civil-military applications)
- Weak **linkages** to international research and innovation environments in Europe and elsewhere.
- Few **value creating innovations** i.e. new or improved products (goods and services needed) and processes that creates jobs.
- **Adoption** of ICT in sectors outside the core ICT-industry

Selected policy measures – what is done today at the national level...

Securing the knowledge base through needs driven basic research:

(Pioneering electronics - SEK 100 million / 3 years)

Boosting innovation activities in SMF

(Mobile communication, mobility and broad band - SEK 60 million / 3 years)

Creating a competitive edge through strong Research- and Innovation environments in ICT

(Centres of Excellence - SEK 800 million / 6-10 years)

Accelerating the adoption rate of ICT through user involvement

(Living labs – SEK 11 million / 2 years)



Thank You

Contact information

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