



R&D Turnover in the Netherlands

Voorburg group on Services Statistics, September 2010

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A small number of big enterprises dominates R&D

2010 ranking

Philips
ASML
NXP
DSM
Océ
Unilever
KPN/Getronics
Corus
Thales
AkzoNobel
Crucell
Stork

2009 ranking

Philips
ASML
Schering-Plough
Shell
NXP
DSM
Océ
Unilever
KPN/Getronics
Thales
Crucell
AkzoNobel

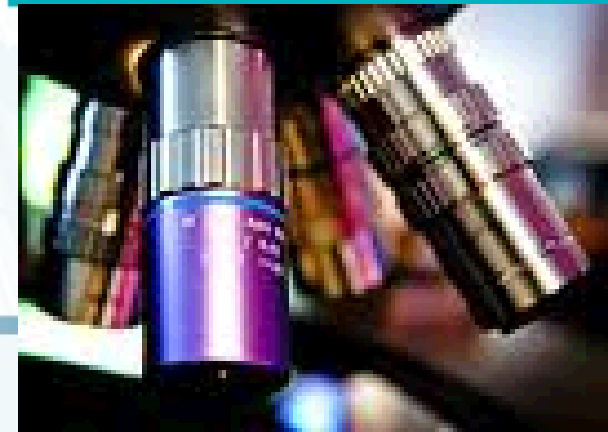


Measurement problems

- 1) Tracing relevant enterprises engaged in R&D, but another main activity
- 2) Data collection SME's promises made to reduce administrative burden
- 3) Combine data sources
Structural Business Statistics } *partially overlapping,*
R&D Statistics } *partially complementary*



Structural Business Statistics (2008)



**2260 enterprises in NACE 72
main activity R&D**

37 100 persons employed, 31 200 fte's

**60% one-person enterprises
88% enterprises with < 10 employees**

2% enterprises with 100 or more employees

R&D statistics (2008)

3232 enterprises with 10 or more employees
main activity: can be any NACE

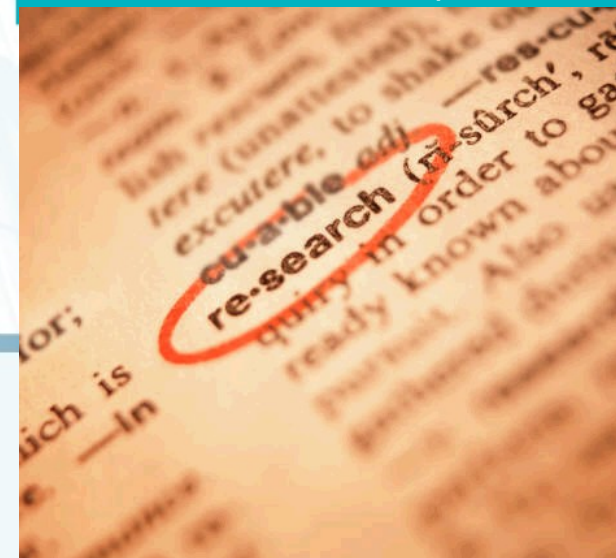
60 300 employees, 48 600 fte's

+

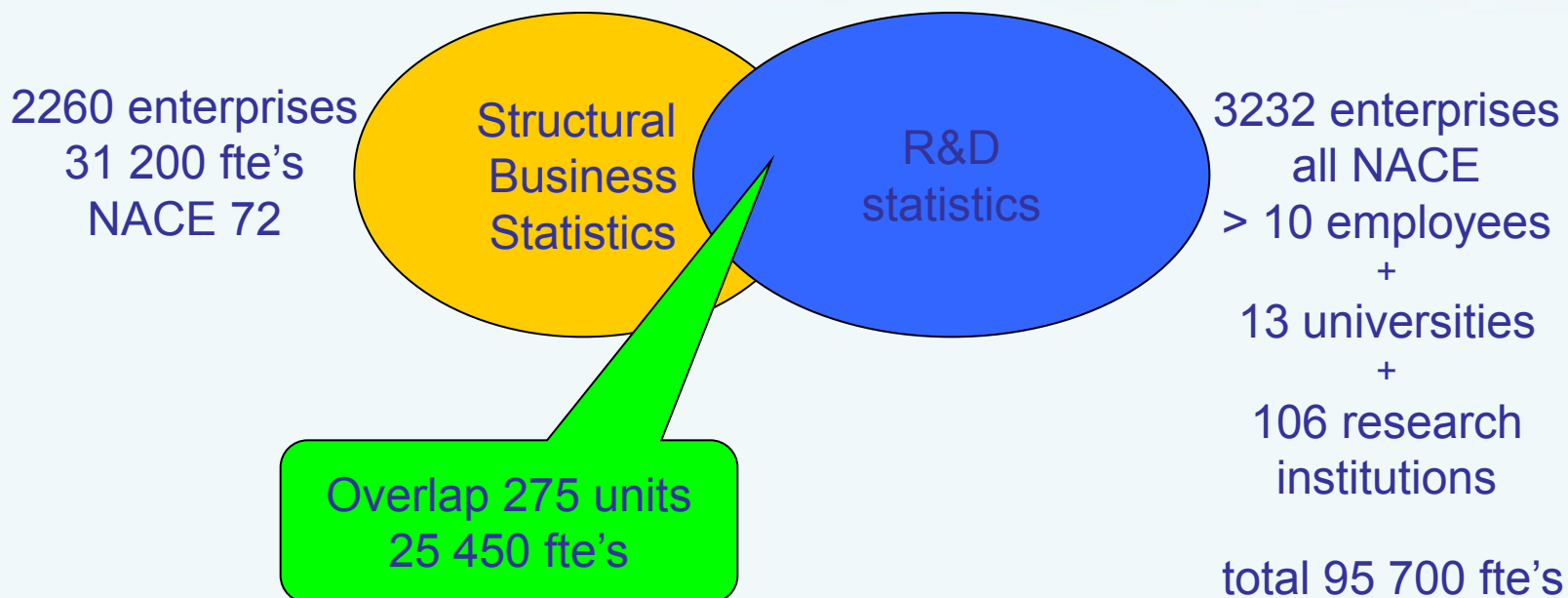
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13 universities
33 000 fte's

106 research institutions
12 100 fte's



Combination of SBS and R&D Statistics, 2008



R&D activities in the Netherlands – totals, 2008

Enterprises and other units	#	5336	%	0.7
Employment	<i>fte</i>	99 400	%	1.3
Turnover	<i>million €</i>	11 187	% GDP	1.9

Source: SBS and R&D Statistics

Imports and exports, 2009 *(million euro)*

	Imports total	Imports EU	Exports total	Exports EU
R&D	1746	832	2161	1353
Royalties and manufacturing rights	11725	1817	14974	4464

Not only R&D results,
also commercial brands
and music copyrights

Source: Statistics on International Trade in Services

Summary, conclusions and recommendations (1)

Statistical information on R&D

- partly in SBS: main activity R&D, 60% one-person enterprises
- partly in R&D statistics: any NACE, intramural R&D, 10 or more employees

..... *which is confusing*



Summary, conclusions and recommendations (2)

..... and can be and should be improved

Dissemination:

- Publish a complete picture of R&D, based on combined data from both SBS and R&D statistics

Data collection:

- Use the same sets of questions on R&D in both SBS and R&D statistics
- Include small enterprises in R&D statistics

