Alexander Technological Educational Institute of Thessaloniki

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A systematic study of metrics and evidence suitable for institutions which operate in areas of high interdisciplinarity

"Alternative metrics or tailored metrics: Science dynamics for science policy",
November 9-10, 2016 Warsaw

The Study…

- Many scientific organizations publish annually or for longer period reports, in order to present the research that they have done in various scientific fields. Furthermore, these publications indicate the progress that has done in a specific period of time and how the organizations have reached their goals. These reports could namely be annual reports, activity reports, business and/or scientific reports, etc.

Objective…

- To **organize and analyze** the data of six report, published by different scientific organizations, all collaborators of DANS in the Netherlands, Switzerland and Germany.

The reports…

Fraunhofer ICT – IMM

eHUMANITIES NL

virtual knowledge studio

ETH zürich Chair of Systems Design

Lorentz center

netherlands eScience center

Methodology…

- What kind of material do we have?
- How it can be put in best use?
- What thematic categories reports cover?

Methodology(continued)…

- Desktop research
- Brainstorming sessions
- Observation and empirical analysis based on UDC
  - The reports categorized:
    - by time
    - by place
    - by institutional type
    - by the type of each report (business or scientific)

Analysis…

- We started by having a look to all reports
- search in the web to find elements for the mission of the organisation that published them.
- search for authors whose articles were included in the reports.
- identifying specific scientific field(s) and define the structure of our categorisation based on UDC scheme, initially by topic.
- mapped the topics of the scientific fields of the reports to the main categories on UDC classification system.

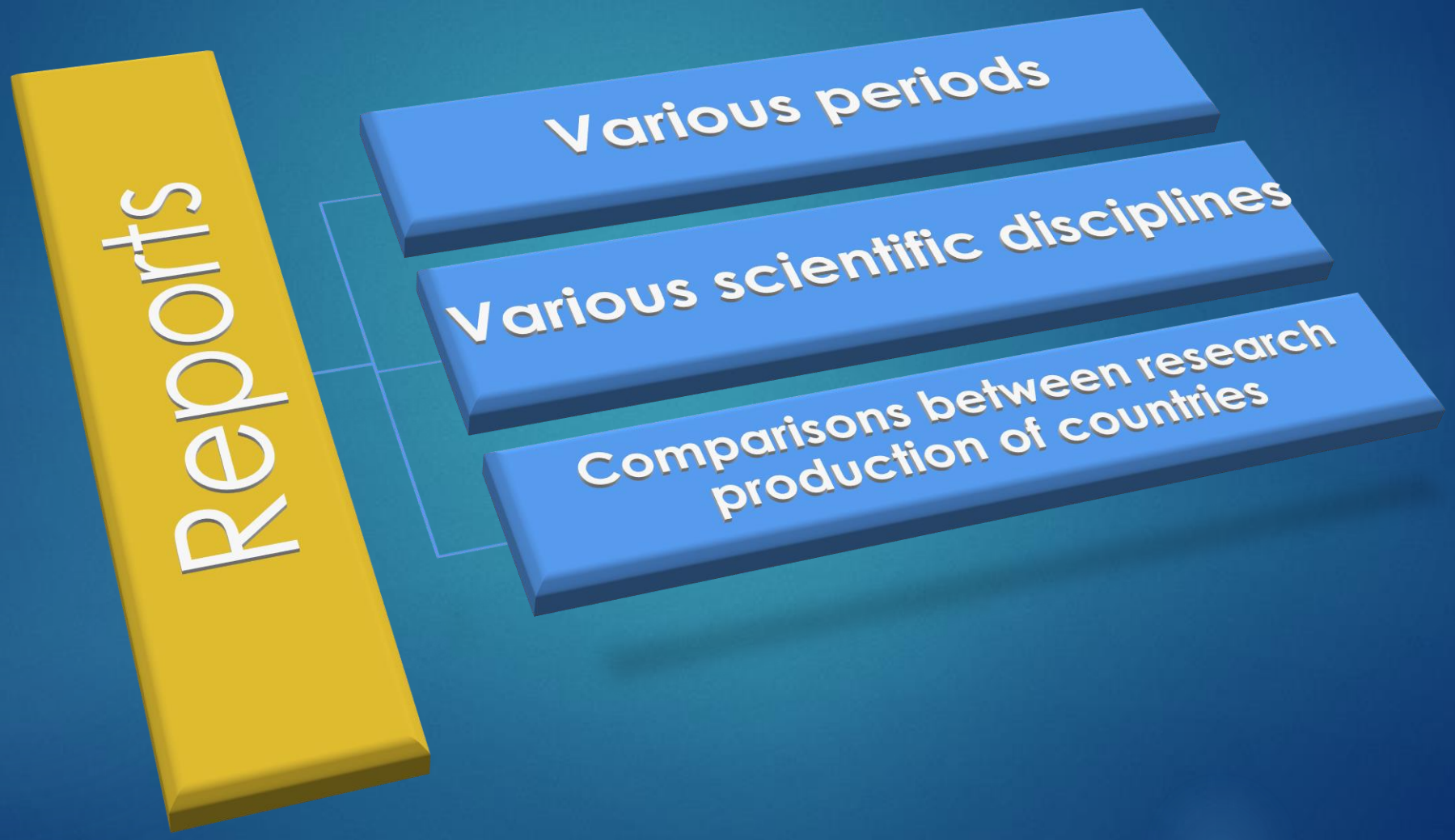
Analysis(continued)…

- **0** refers to *Science and Knowledge. Organisation. Computer Science*
- **1** refers to *Philosophy. Psychology.*
- **2** refers to *Religion. Theology.*
- **3** refers to *Social Sciences.*
- **5** refers to *Mathematics. Natural Sciences.*
- **6** refers to *Applied Sciences. Medicine. Technology.*
- **7** refers to *The Arts. Recreation. Entertainment. Sport.*
- **8** refers to *Language. Linguistics. Literature.*
- **9** refers to *Geography. Biography. History.*

Analysis(continued)…

Title of Report	Topic/UDC	Reporting Period	Publication Year	Report Type	Type of Organisation	Geographic Origin
Annual Report 2015	0,1,2,3,5,6,7,8,9	2015	2016	Business	Service Oriented Organisation	The Netherlands
Presse	5,6	25 years (1991-2016)	2015	Business	Research Institution	Germany
Fostering Interdi-sciplinarity	0,1,2,3,7,8,9	5 years (2011-2016)	2016	Scientific	Research Institution	The Netherlands
Interfacing Research Practices	0,1,2,3,7,8,9	3 years (2006-2009)	2010	Scientific	Service Oriented Organisation	The Netherlands
Chair of Systems design	0,3	10 years (2004-2014)	2014	Scientific	University	Switzerland
Scientific Report 2013 Workshops	0,5	2013	2014	Scientific	Service Oriented Organisation	The Netherlands

To conclude…


Reports
Various periods
Various scientific disciplines
Comparisons between research production of countries

Future Study…

- Further study of scientific or business reports
  - Grey bibliography
- How the production of scientific knowledge interconnect the academic institutions with industries

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Find more…
www.knowescape.org

goo.gl/sxRnqj


Thank you
danke
nandri
takk
grazie
hvala
gracias
dziękuję
děkuji
kiitos
a dank
ευχαριστώ
mahalo
tänan
arigatô
감사합니다
Xièxiè
спасибо
dank u
gràcies
tack
Mh'gōi
הודות.
Շնորհակալություն
merci
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благодаря
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Баярлалаа
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dankie
хвала
mulţumesc