



Case EWI

Pascale Dengis

Use of science related classifications

■ reporting to international bodies:

Eurostat: new regulation since 26/10/2012

“Commission Implementing Regulation (EU) No 995/2012 of 26 October 2012 laying down detailed rules for the implementation of Decision No 1608/2003/EC of the European Parliament and of the Council concerning the production and development of Community statistics on science and technologyText with EEA relevance”

R&D-spendings (Fields of Science)

R&D-personnel

R&D-budgets (NABS)

Community Innovation Survey (NACE)

■ reporting to Flemish stakeholders:

■ Speurgids (www.speurgids.be): Flemish budgets for R&D and Economy

■ O&O-indicatorenboek (ECOOM): STI-data

■ VRIND: indicators Flemish government

■ FRIS research portal

Use of science related classifications

- inventory of documentary data (intra-Belgian cooperation agreement)

FRIS research portal (www.researchportal.be)

discipline codes

science domains

application codes (NABS) – not used

finance codes



FRIS Research Portal
Boosting knowledge, creating prosperity

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In search of research ? The Flemish research portal will be your guide !

Who is doing research on Alzheimer's disease in Flanders ? Where can I find experts on nanotechnology ? Which current projects of the Flemish universities are making inquiries about stem cells ?

Find the answer to your questions at the FRIS (Flanders Research Information Space) research portal...

You can browse through the database by using several search options : by research projects, organisations or persons.

News Headlines

In the mix!

Nov 6, 2012

The Department of Economy, Science and Innovation of the Flemish government is constantly searching to create an ideal mix of science, economy and innovation. To know more what we are doing, have a look at our website www.ewi-vlaanderen.be/en !

More actual research information

Oct 25, 2012

The FRIS Research Portal has been updated with new data from the six Flemish universities. You can browse the pages of 2000 additional projects and 5000 researchers. Explore the Flemish research landscape with the FRIS Research Portal!

Search and browse in

25772 Research projects

Search and browse in

3596 Publications

Search and browse in

2051 Organisations

Search and browse in

22157 Researchers

Research project – discipline code



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ABCIGS - Wet-processed CIGS based absorber layers for photovoltaic applications.

Id:UA_26206

University of Antwerp

The research aim of absCIGS is twofold. First, it aims at the development of a lab-scale non-vacuum baseline process for the formation of CIGS absorber layers, leading to cells with a conversion efficiency of 15%. Second, this work is complemented by the scientific understanding of the different steps in the process, running from the formation of the CIGS precursors to the film transformation process. To achieve this, absCIGS sets great store by obtaining full control over the input/output relations, where the input is a dispersion of precursor nanoparticles (NPs) and the output is a dense CIGS TF.

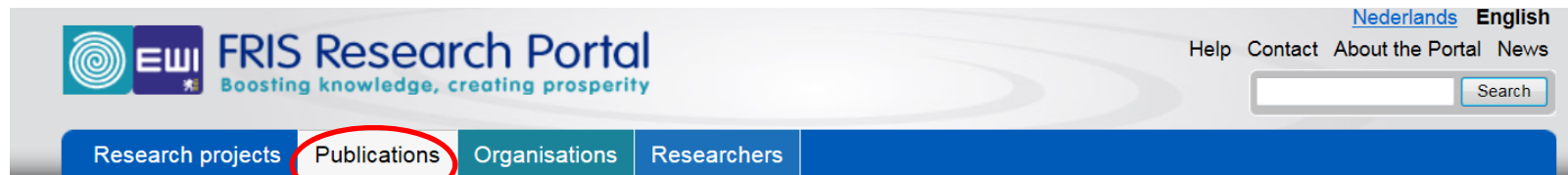
Timeframe: 1 Sep 2010 → 30 Sep 2014

Keywords: PHOTOVOLTAIC CELLS

Discipline codes: **TECHNOLOGICAL SCIENCES (T)**
Material technology

Classifications: Inter university project

Publication – discipline code



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50 years of Data Mining and OR: upcoming trends and challenges

Id: HOG_1728025

Data mining involves extracting interesting patterns from data and can be found at the heart of operational research (OR), as its aim is to create and enhance decision support systems. Even in the early days, some data mining approaches relied on traditional OR methods such as linear programming and forecasting, and modern data mining methods are based on a wide variety of OR methods including linear and quadratic optimization, genetic algorithms and concepts based on artificial ant colonies. The use of data mining has rapidly become widespread, with applications in domains ranging from credit risk, marketing, and fraud detection to counter-terrorism. In all of these, data mining is increasingly playing a key role in decision making. Nonetheless, many challenges still need to be tackled, ranging from data quality issues to the problem of how to include domain experts' knowledge, or how to monitor model performance. In this paper, we outline a series of upcoming trends and challenges for data mining and its role within OR.

Publication year: 2009

Discipline codes: PHYSICAL SCIENCES (P)
Mathematics
Statistics, operations research, programming, actuarial mathematics

Classifications: a1

References: Publication name: Journal of the Operational Research Society
Volume: 60
Issue: S1
Start page: S16 - S2
ISSN: 0160-5682

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Organisations

[Faculty of Business Administration and Public Administration](#)

is publishing institution of

[Department of Management information](#)

is author institution of

Research group – discipline code



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Departement of Anaesthesiology (Research unit)

Id: UG_61

Ghent University

Anesthesiology is that part of medicine concerned with the clinical management of patients undergoing diagnostic or therapeutic procedures during which pain relief, monitoring and maintenance of vital functions and blunting of detrimental reflexes requires special attention. It also covers the teaching, study and research of the pharmacological and physiological basis of the clinical practice. Besides its teaching mission, the department of anaesthesiology of Ghent University has a strong research interest in the fields of clinical neuropharmacology and neurophysiology and the clinical physiology and pharmacology of the cardiorespiratory system.

Post addresses: De Pintelaan, 9000 Gent, BE

Acronym: GE23

Keywords: anesthesia, anesthesia systems, anesthetics

Discipline codes: BIOMEDICAL SCIENCES (B)

Medicine (human and vertebrates)

Anaesthesiology, intensive care

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Leader

[Eric Mortier](#)

Leader Since 29 Oct 2009

Research project – science domain



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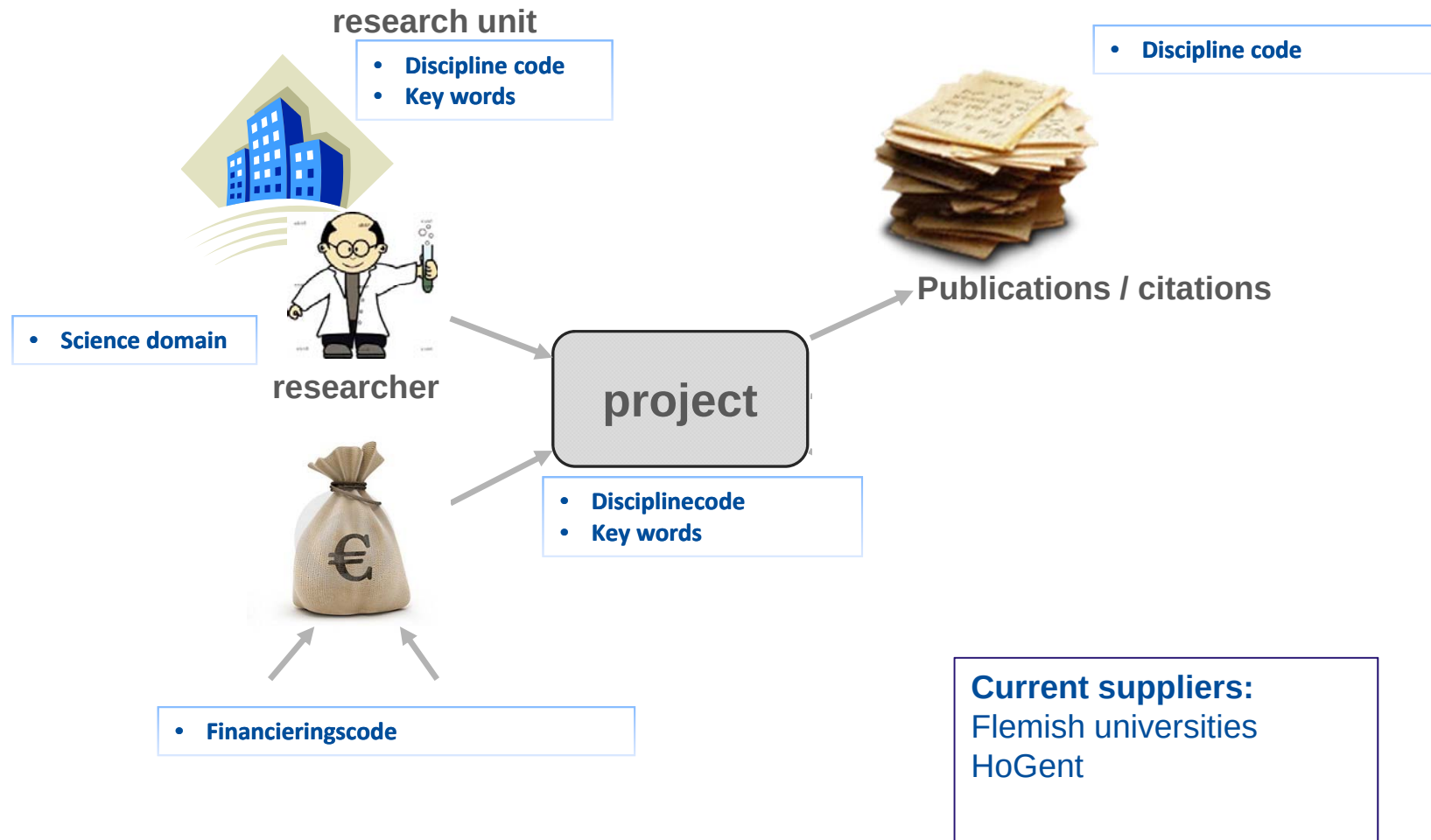
Science Domains: **Biology**

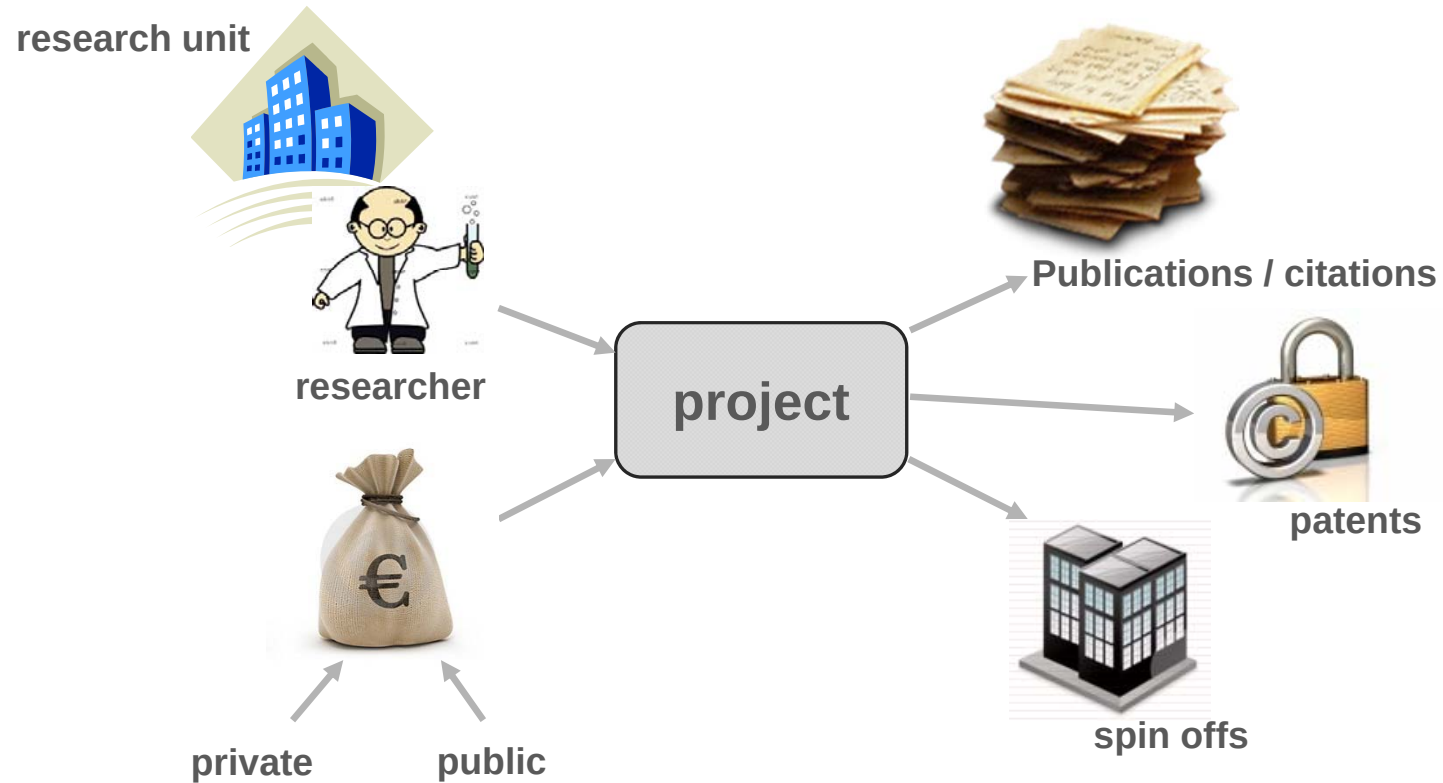
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Organisations

[Systemic Physiological and Ecotoxicological Research \(SPHERE\)](#)
Member Since 1 Oct 2009

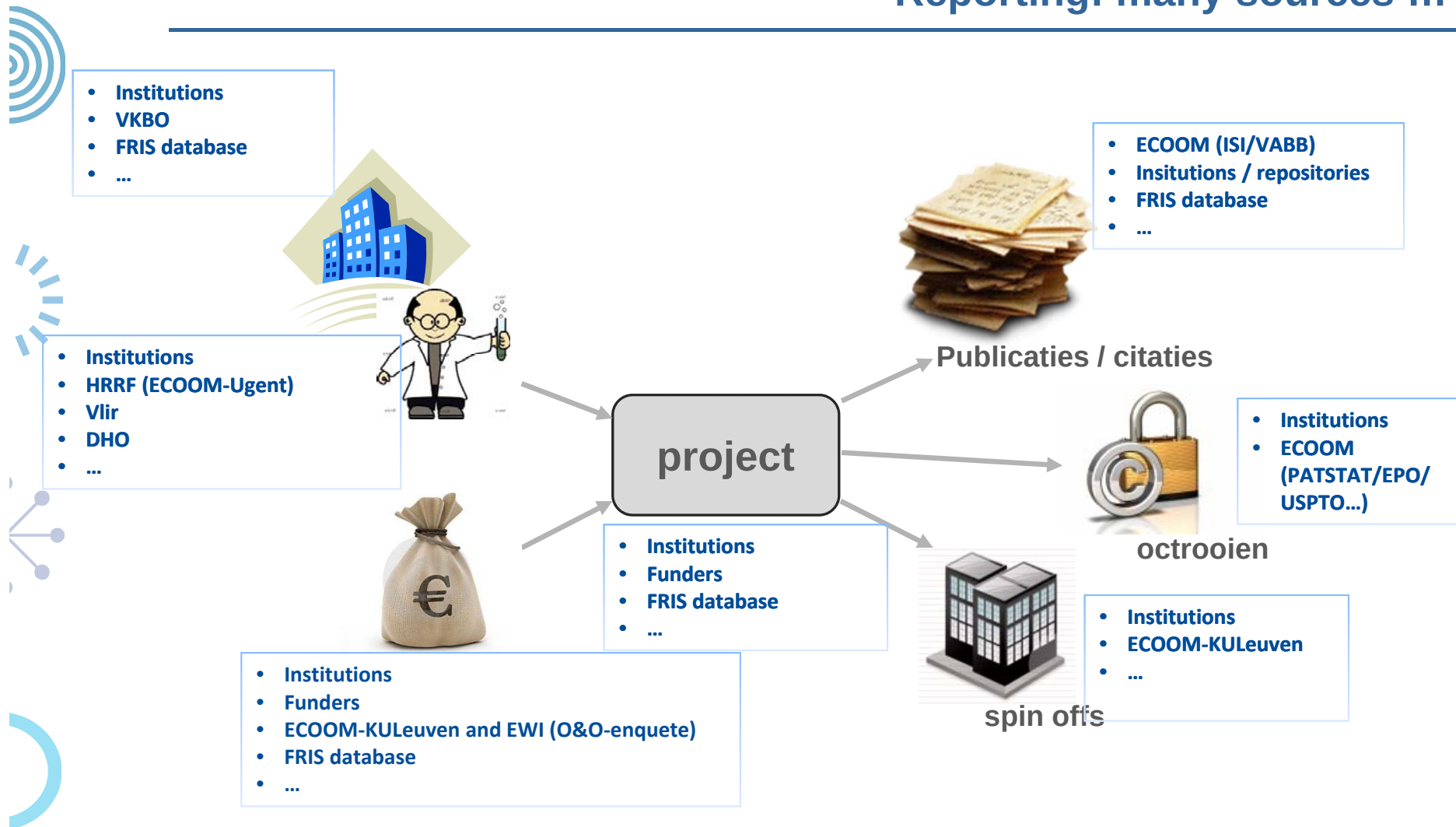
FRIS content today



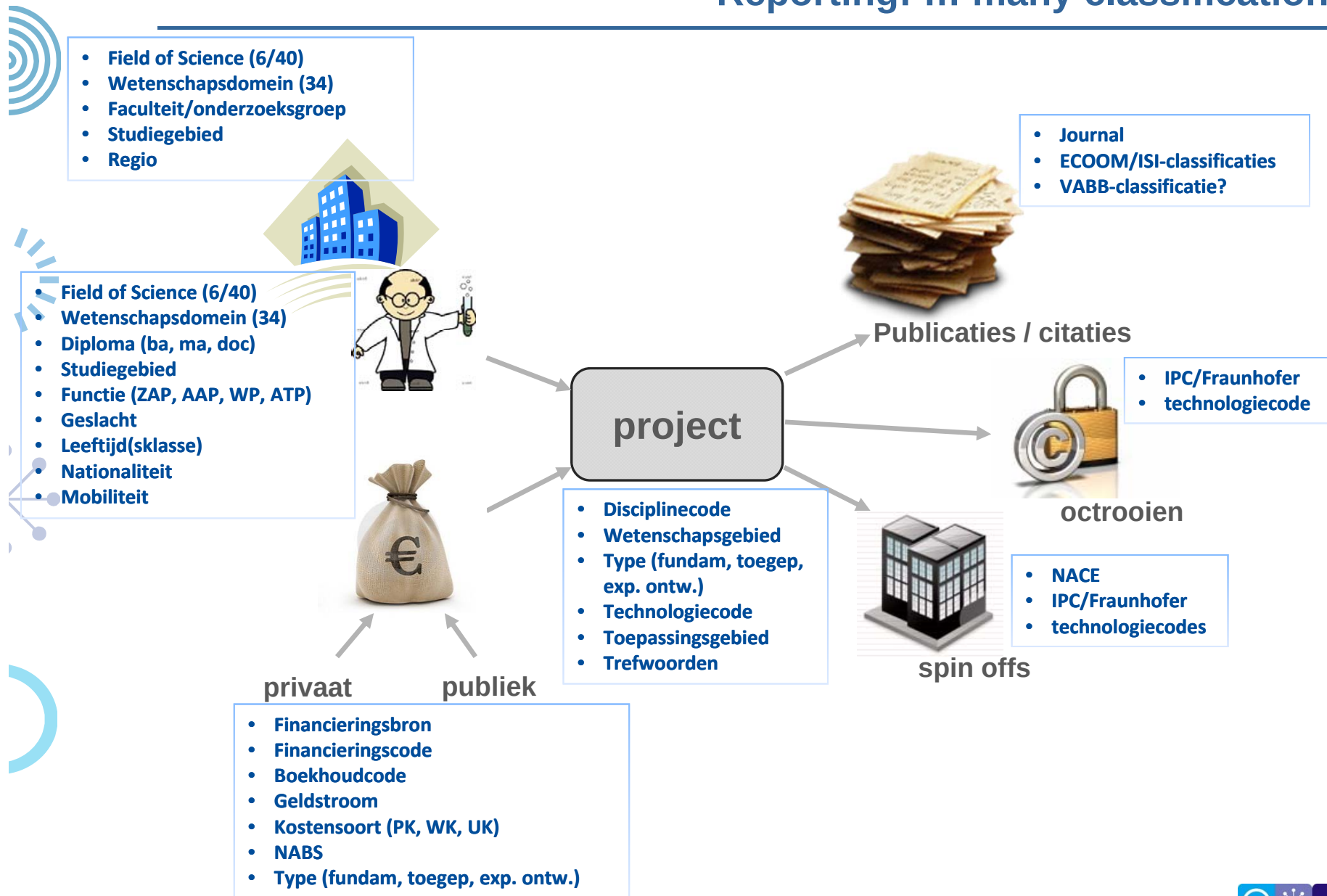


Future suppliers:
Flemish universities
Research centres
Schools for higher education

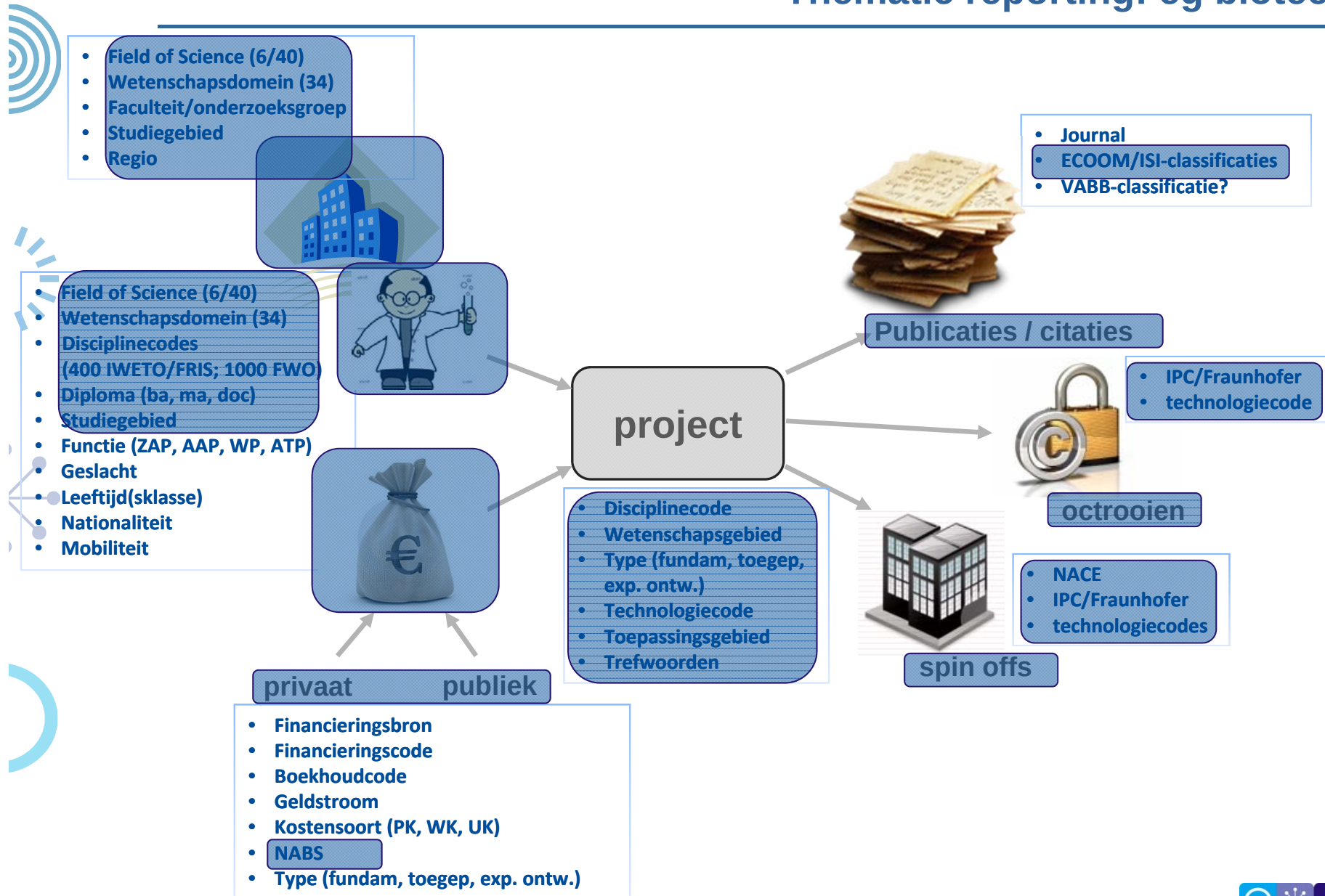
Reporting: many sources ...



Reporting: ... many classifications



Thematic reporting: eg biotech



- need to streamline efforts on reporting
- consensus needed on semantics and classifications used
- translation to international classification needed
- details vs cost of gathering data



bedankt

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