



Collaboration with Academia

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Director General

DGINS 2024, **SESSION 1. EFFECTIVE STAKEHOLDER ENGAGEMENT: FOUNDATION FOR RELEVANCY**
23 October 2024

Peer Review 2022 – scientific community

Peer review: Interviews with 5 professors Amsterdam, Rotterdam and Utrecht

Conclusion: excellent and extensive cooperation with 11 Dutch universities in Netherlands

ESS Best Practice: collaboration with the scientific community

Next slides: Why and how do we strategically engage with academia?



Relevance of academic collaboration

STRATEGIC
PRIORITY

- *Realisation strategic agenda*
- obtain specific knowledge and expertise
- recruit new staff
- further professionalize & challenge current employees
- share data and generate additional resources for data/research
- promote use of official statistics
- benefit from outside perspective/curiosity

How?

Institutional (policy) as well as informal (people)

1. Account management (ECHO)
2. Bilateral cooperation (framework) agreements
3. Professors
4. PhD Students
5. EMOS
6. Interns

ECHO (Expertise center CBS and Higher Education Institutions)

- Dedicated account management

ECHO Team

Central coördinator Heike Goudriaan
(strategic policy advisor)



+ 7 decentral coördinators

ECHO Sounding Board

Board Portfolio Director Joost Huurman
(chief dir. Dataservices, Research & Innovation)



+ 8 board members

- Support strategic relationships
- Framework agreements & Professors



Endowed professors

- Currently 11 chairs at 7 universities
- Financed by CBS
- Methodological as well as other scientific fields
- Usually supervising PhD students
- Guided by supervisory boards



PhD students

- Currently about 30
- Different fields, relevant for CBS
- Part employed by CBS, part by universities
- Different (co)financing structures
- Supervised by CBS-professors



EMOS in the Netherlands



Since 2015 Utrecht, since 2019 Leiden University

EMOS Strengthens our network with Universities

EMOS students receive education at CBS

EMOS students can be our future employees

EMOS internships strengthens our Research & Innovation

CBS is member of EMOS Board which steers on quality



Statistics
Netherlands



Utrecht
University



Universiteit
Leiden



Interns

- Wide range of bachelors and masters
- Nearly 100 interns each year
- Future employees
 - 2020-2023: 25% employed
 - 2020: 40% still employed*
 - 2023: 80% still employed*
- Central internship coordinator

CBS zoekt enthousiaste stagiairs voor interessante opdrachten

8-6-2023 10:00 / Auteur: Miriam van der Sangen



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Het CBS biedt studenten op HBO- en WO-niveau het hele jaar door interessante stageplekken aan, zowel in de vestiging Den Haag als Heerlen. Jaarlijks doen gemiddeld 100 stagiairs werkervaring op en voeren ze onderzoeken uit voor het statistiekbureau. Die onderzoeken zijn divers van aard, van statistiek tot communicatie. Iris van Santen en Daniël Kok vertellen over hun ervaringen.

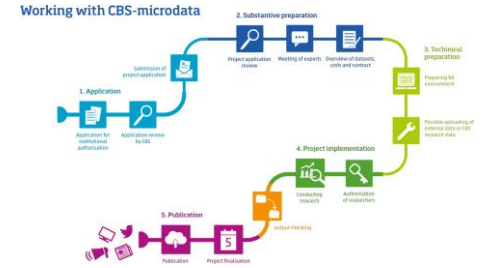
Maatschappelijk relevant

Iris van Santen studeerde Life Science & Technology aan de TU Delft en de Universiteit Leiden. 'Een hele leuke studie, maar het werk in het laboratorium vond ik minder aantrekkelijk. Toch heb ik de studie afgerond. Wiskunde en statistiek hadden altijd al mijn interesse. Daarom heb ik vervolgens voor de minor Quantitative Biology gekozen. In de zomer van 2021 studeerde ik af. Hierna koos ik voor de master Statistics & Data Science aan de Universiteit Leiden. Ik zit nu in het tweede jaar van mijn master en volg via de Universiteit Leiden bij het CBS een aantal maanden het European Master of Official Statistics (EMOS)-programma. Aan het eind krijg ik het EMOS-certificaat en dat biedt kansen

Remote Access for academia

- Linkable microdata about individuals, households, companies and institutions
- Available for scientific research
- Under strict conditions
- Secure microdata environment
- Currently almost 7000 datasets available, more than 800 projects and 1700 researchers

[Microdata: Conducting your own research | CBS](#)



Microdata catalogue

Organisations may use microdata under strict conditions for the purpose of [conducting their own research](#). Below is a list of recent documentation reporting the results of research conducted using microdata sets, arranged by subject area:

- Labour and social security
- Enterprises
- Population
- Construction and dwellings
- Financial and business services
- Health and welfare
- Trade, hotels and restaurants
- Income and expenditure
- International trade
- Manufacturing industry and energy
- Agriculture
- Macroeconomics
- Nature and environment
- The Netherlands, regional
- Education
- Government and politics
- Prices
- System of Social Statistical Datasets
- Security and justice
- Traffic and transport
- Leisure and culture

Because most of these reports are not translated in English yet, all these reports can be found on [the Dutch page](#).

CBS Advisory Board Methodology & Quality

- Chair: Professor Utrecht University
- 7 Members: professors and experts from national and international institutions (Australia/Norway and Sweden)
- A forum for relatively informal discussions
- Obtaining advice on research and development activities
- Seek opportunities for strengthening relationships between CBS researchers and the rest of the research world
- Meeting twice a year
- Format: presentations and discussions



Example: GECKO

- AI research track CBS & University of Amsterdam
 - Question-answering system leveraging LLMs
 - Official statistics, i.e. no hallucinations allowed
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- UvA is at the forefront of LLM research
 - Statistics Netherlands provides a very good ‘real-life’ use case and well curated (meta)data



GECKO – example

“Healthcare expenses government 2022”


Zorguitgaven overheid 2022 Search!

Searched for:
Zorguitgaven overheid 2022;

[84122NED - Overheidsuitgaven en bestedingen; functies, transacties, overheidssectoren](#)

		Totaal 2022
		7.4 Openbare gezondheidszorg
		Totaal overheidsuitgaven
		Overheid
Overheidsuitgaven en bestedingen	mln euro	5630

Suggested tables:
[84053NED - Zorguitgaven; zorgaanbieders en financiering](#)
[84114NED - Overheidsfinanciën; kerncijfers](#)
[84047NED - Zorguitgaven; kerncijfers](#)



Thank you for your attention

Happy to answer your questions!





Facts that matter