

Research policy at Radboud University

Gertjan Bögels
Eurocris conference

Nijmegen: old city, young vibe

Radoud University Smart, green campus

FACTS & FIGURES

7 FACULTIES

- Faculty of Arts
- Faculty of Law
- Faculty of Medical Sciences
- Nijmegen School of Management
- Faculty of Philosophy, Theology and Religious Studies
- Faculty of Science
- Faculty of Social Sciences



KEY FIGURES

Students

24.663

- Bachelor 15.664
- Master 8.989
- International 10,6%

Staff (fte)

5.886

- Scientific 3.343
- International 30.0%





RESEARCH & IMPACT

ACADEMIC AFFAIRS

Teams

- Research & Impact Strategy
- Grants Support & Projects
- Knowledge Transfer Office

Focus areas

Research & Impact policy & strategy

International cooperation

Grant Support

(Societal) Impact

Innovation & entrepreneurschip

A
SIGNIFICANT
IMPACT

SCIENCE

A SIGNIFICANT IMPACT

We are contributing to a healthy, free world with equal opportunities for all.

We are guided by both academic questions and societal challenges. We have an eye to ethical issues and the implications of our research for society.

We are active across many fields of academic endeavour. Research and teaching are closely interlinked at our university.

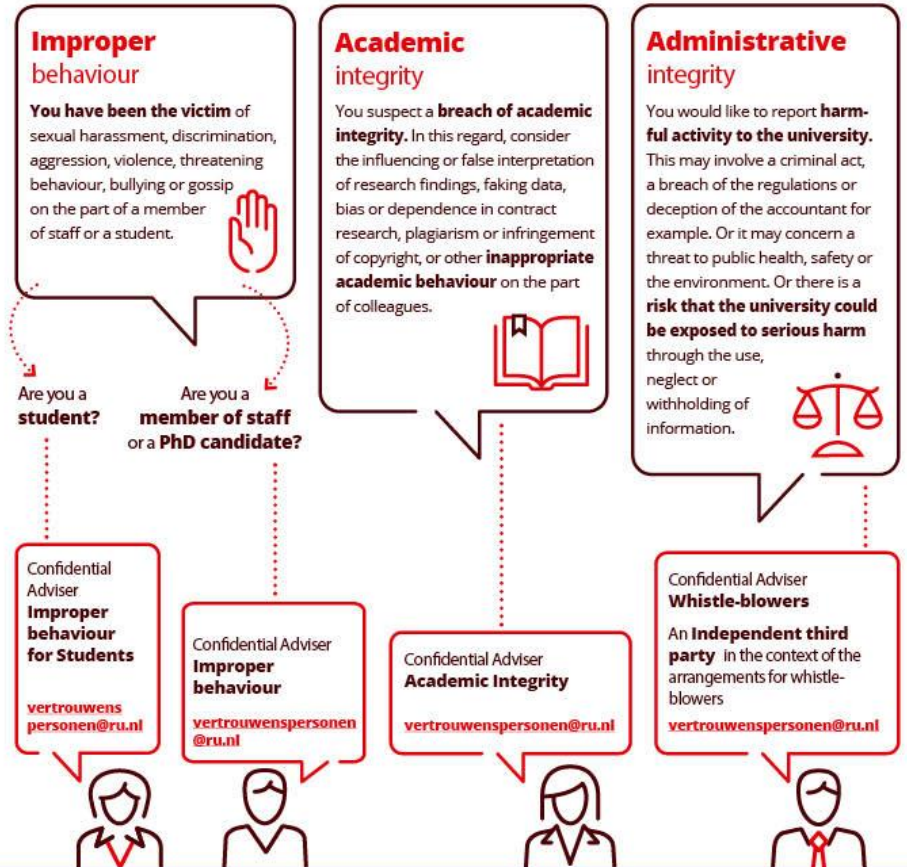
A SIGNIFICANT IMPACT RESEARCH AND IMPACT STRATEGY

- **Research**
- **Research integrity** is a precondition for academic research of high quality.
- Our combination of academic disciplines provides opportunities for **interdisciplinary research**.
- Our university invests in unique **research facilities** of international significance.
- Together with our partners we are committed to **national and international collaboration**.
- **Impact**
- Research funded by public money should make a **contribution to society** and be **publicly accessible** wherever possible.
- We enter into or build on meaningful relationships with **partners in our region**.

RESEARCH INTEGRITY



What would you like to talk about?



Are you unable to find a solution?

Send an email to our desk to make a call-back appointment. We will be happy to assist you through vertrouwenspersonen@ru.nl. If you need assistance, you may also approach occupational social work, which can be reached through frontofficeamd@radboudumc.nl, or go to ru.nl/confidentialadvisor for more information.

INTERDISCIPLINARY RESEARCH



- Interdisciplinary research hub on digitalization and society
- Researchers from: humanities, social sciences, engineering and natural sciences
- Impact: **IRMA**
- fighting des-information on Twitter with authenticity



RESEARCH FACILITY

We enter into or build on meaningful relationships with **partners in our region**.

Radboud Research Facilities (RRF)

- Open for companies/institute (local)
- 9 research domains
- 26 facilities



HFML – FELIX

High field magnets and IR & Terahertz
lasers

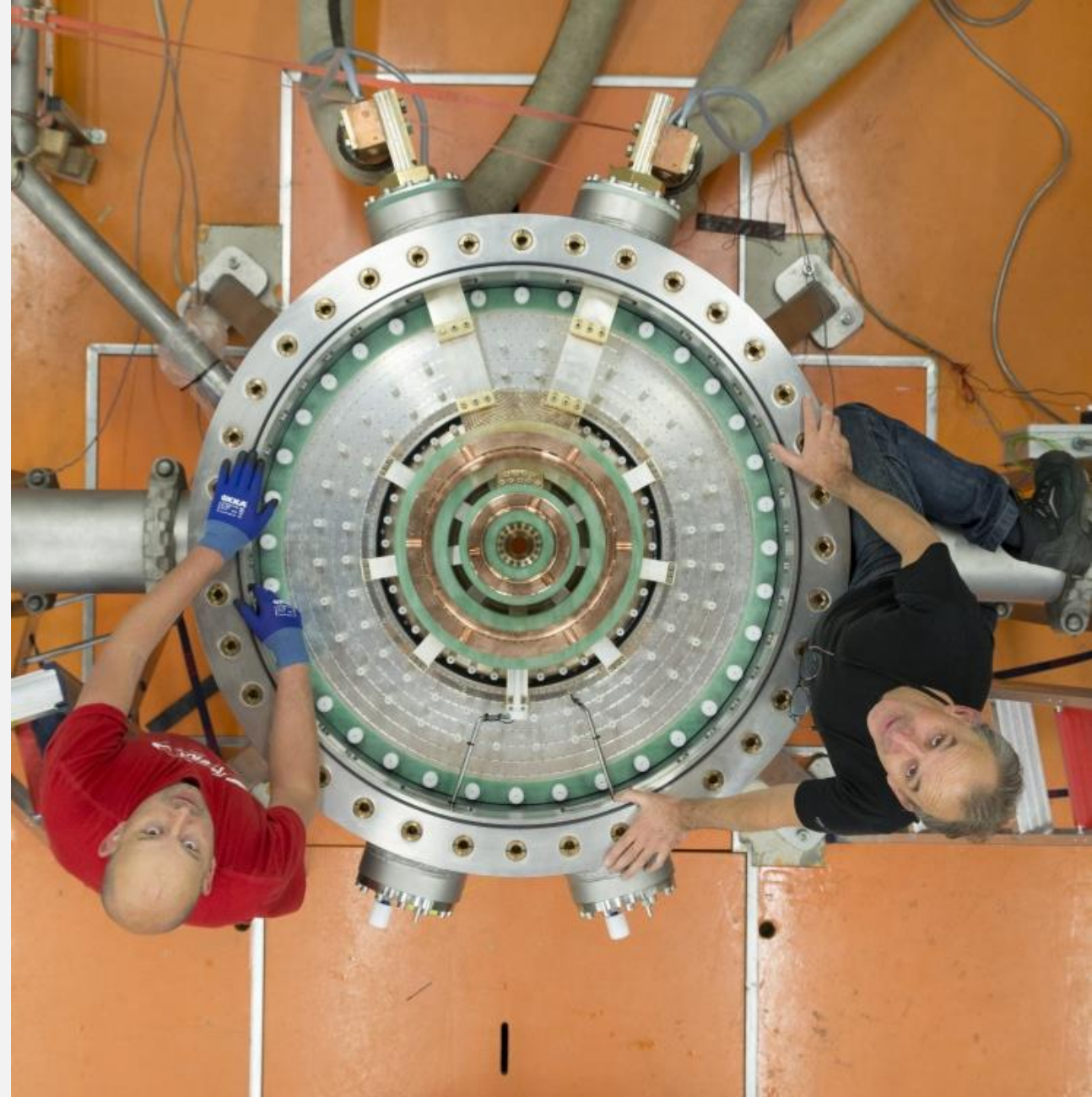
RESEARCH FACILITIES

HFML – FELIX

- Very powerful magnets
- 38 Tesla, under construction 45 Tesla
- Combination electromagnet and superconducting magnet



(0,005 Tesla)



EMFL: European cooperation:
Dresden, Toulouse and Grenoble

- Combination magnet / laser
- Unique for characterization of materials

Research facilities HFML – FELIX

GRANT SUPPORT

- Research funding in competition
- several 100 different funding opportunities
- Fundamental/applied, PI/consortium

Two major funding agencies

- 1) NWO (Dutch)
- 2) Horizon Europe (EU framework program)



Grant Support

- Information funding opp.
- Reading/Evaluating
- Submission Support
- Organizing mock interviews
- Grant agreements
- Project governance



Horizon Europe



SUBMISSION SYSTEMS



- NWO -> **ISAAC**
- Horizon Europe -> **Participants portal**

Same set-up

- registration of institute
- registration of research group
- registration of researcher
- select the call you want to submit

- EU is more complex and more **strict**

SUBMISSION SYSTEMS II



NWO vs EU

- ISAAC (NWO)

Only the research has access to the system

- Participants portal (EU)

Researcher has access

LEAR (Legal Entity Appointed Representative) has access

Researcher or Lear can add people

-> Major implications for supporting procedures





REGIONAL COLLABORATION

Focus topics municipality of Nijmegen

- Neurotech (EU)
- Healthy Brain

EFRO

- Research projects together with regional companies (energy transition).

Province of Gelderland

- Pre-seed and seed funds for innovative start-ups
- OnePlanet

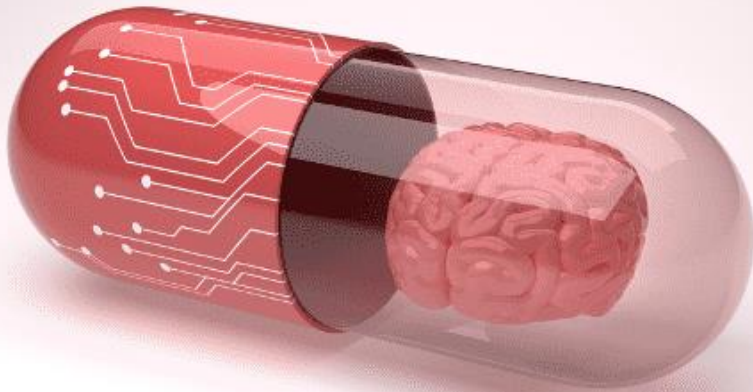
REGIONAL COLLABORATION ONEPLANET RESEARCH CENTER



Collaboration: Wageningen University & Research (WUR),
Radboud University, Radboudumc and Imec

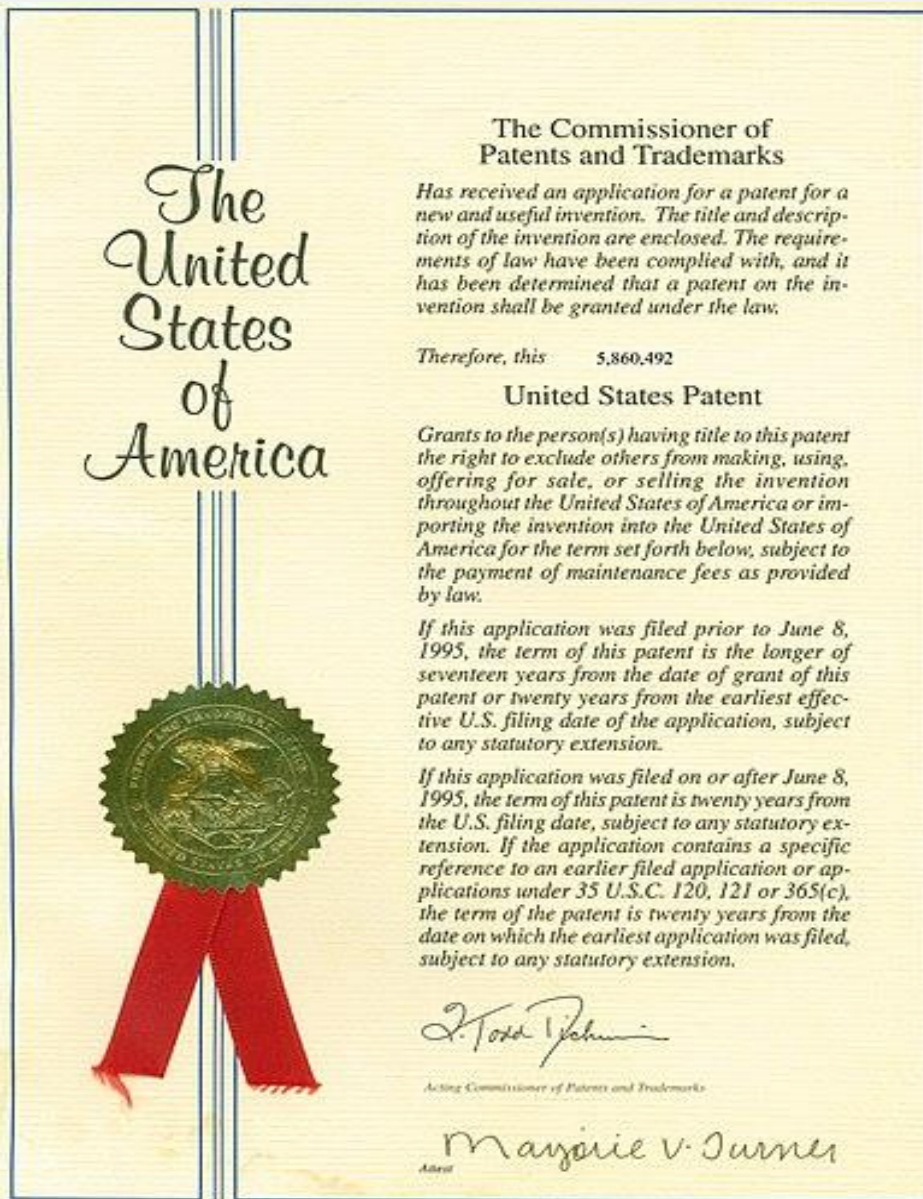
Chip and digital technologies

- OnePlanet contribute to a society in which everyone can live healthily and has access to healthy and sustainable food.
- Focus: applies research & Open education program



smart medicine

- non-invasively and continuously measures inflammatory processes,
- microbiota activity, uptake of deceased and other biomarkers of gut health.



IMPACT

KNOWLEDGE PROTECTION

- Research funded by public money should make a **contribution to society** and be **publicly accessible** wherever possible.
- Many impact strategies -> patents are a small fraction
- Can be needed for successful commercialization
- About 50% of patent are jointed (company or university)
 - Radboudumc
- Published after 1,5 years.

KNOWLEDGE PROTECTION

RESEARCH INFORMATION SYSTEMS

What information

- Filling information
- deadlines
- expenses
- novelty search
- office actions
- License agreements
- agreement with your partner
- progress reports of licensee
- Royalty payments
- Inteum (minuet)

(19)  (11)  **EP 3 329 945 A1**

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication: **06.06.2018** Bulletin 2018/23 (51) Int Cl.: **A61L 27/52** (2006.01) **C08G 61/04** (2006.01)
C08G 65/333 (2006.01) **C12N 5/00** (2006.01)

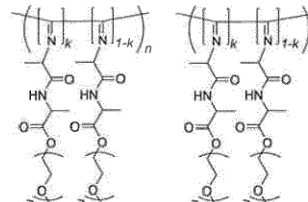
(21) Application number: **16202260.2**

(22) Date of filing: **05.12.2016**

(84) Designated Contracting States: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR Designated Extension States: BA ME Designated Validation States: MA MD	(72) Inventors: • Kouwer, Paul 6500 KD Nijmegen (NL) • Rowan, Alan Edward 6500 KD Nijmegen (NL) • Schoenmakers, Daniël 6500 KD Nijmegen (NL)
(71) Applicant: Stichting Katholieke Universiteit 6500 KD Nijmegen (NL)	(74) Representative: Renkema, Jaap IPecunia Patents B.V. P.O. Box 593 6160 AN Geleen (NL)

(54) **BIOMIMETIC NETWORKS COMPRISING POLYISOCYANOPEPTIDE HYDROGELS**

(57) A polymer hydrogel comprising
a. a polymer according to formula (I)

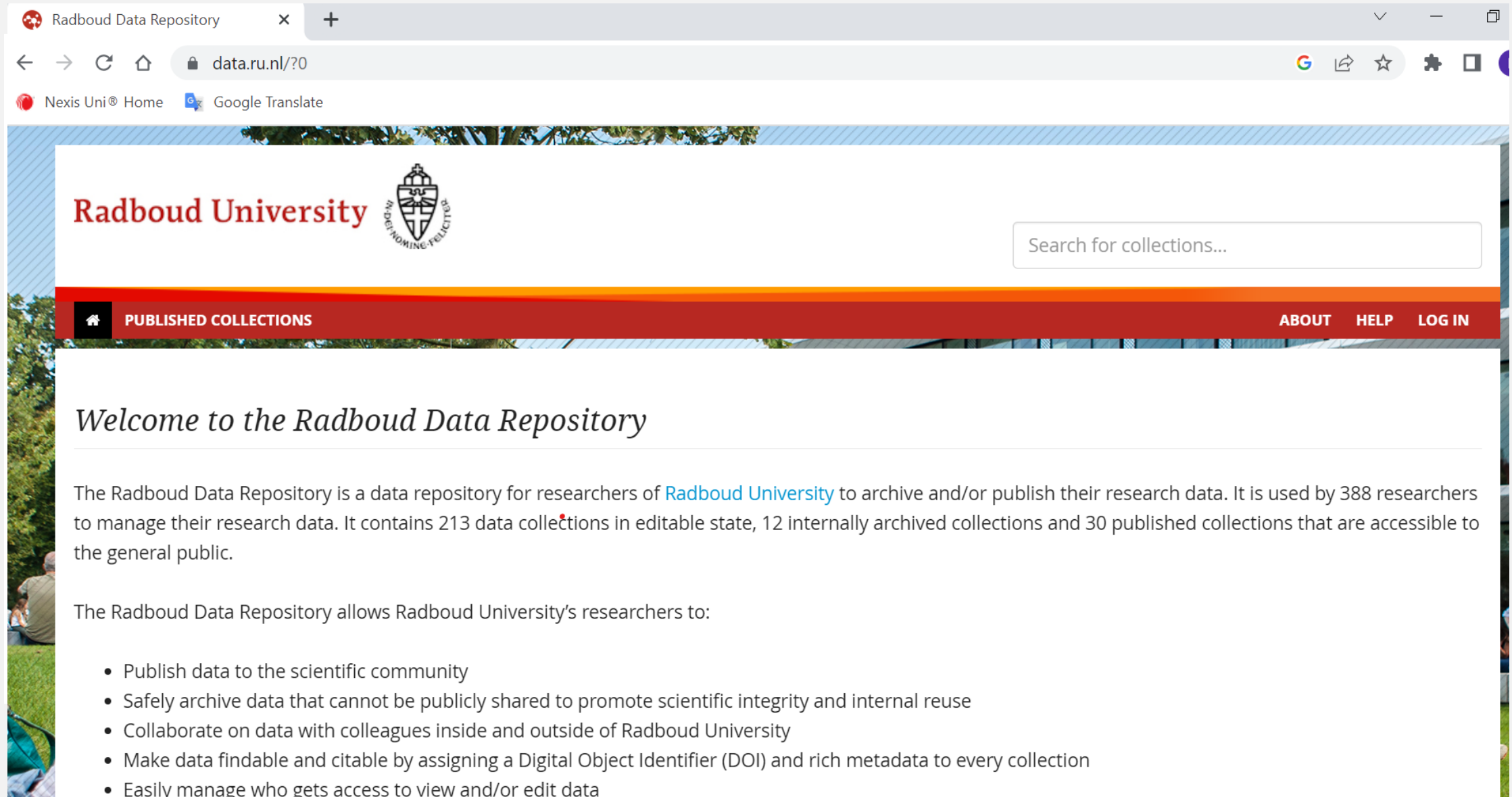


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Sharing knowledge

RADBOUD
UNIVERSITY
PRESS

OPEN SCIENCE: RADBOUD DATA REPOSITORY



The screenshot shows a web browser window with the address bar displaying 'data.ru.nl/?0'. The page header features the Radboud University logo and a search bar labeled 'Search for collections...'. A red navigation bar contains the text 'PUBLISHED COLLECTIONS' and links for 'ABOUT', 'HELP', and 'LOG IN'. The main content area begins with the heading 'Welcome to the Radboud Data Repository' and a paragraph describing the repository's purpose and statistics. It then lists the services provided to researchers.

Radboud Data Repository

data.ru.nl/?0

Nexis Uni® Home Google Translate

Radboud University

Search for collections...

PUBLISHED COLLECTIONS ABOUT HELP LOG IN

Welcome to the Radboud Data Repository

The Radboud Data Repository is a data repository for researchers of [Radboud University](#) to archive and/or publish their research data. It is used by 388 researchers to manage their research data. It contains 213 data collections in editable state, 12 internally archived collections and 30 published collections that are accessible to the general public.

The Radboud Data Repository allows Radboud University's researchers to:

- Publish data to the scientific community
- Safely archive data that cannot be publicly shared to promote scientific integrity and internal reuse
- Collaborate on data with colleagues inside and outside of Radboud University
- Make data findable and citable by assigning a Digital Object Identifier (DOI) and rich metadata to every collection
- Easily manage who gets access to view and/or edit data

CHALLENGES FOR RESEARCH AND IMPACT INFORMATION

Further development of infrastructure and information for **open science** needed:

- Transition to 100% open access
- Transition to FAIR data
- Further improve research information on open science outputs

New ways of **recognizing and rewarding** academic work and outputs

- Combine qualitative and quantitative assessments of research
- Reward team science and collaboration
- Improve research information for reporting and quality assurance of research

Improve information on **societal impact**

- Improve reporting on societal impacts of research
- improve collaborations with societal partners

