Research@WUR
The next step towards One Wageningen: the launch of a portal for the research output of WUR, expertise and collaborations.

Open Science & Education
Transitional to Open Science: a coordinated approach to respond to opportunities and developments in Open Science & Education

Open Access
Stimulating Open Access: closing new publishing deals and extend possibilities to archive your publication personally.

Edubadges
Participation in a national pilot on Edubadges: WUR Library explores solutions for flexible education.

Library Game
An innovated and gamified introduction to WUR Library: 1246 out of 1640 first-year bachelor students took part in our new escape-room-like Library Game.

Groen Kennisnet
A one-time upgrade: due to new subsidy WUR started the transition of Groen Kennisnet into a national knowledge platform.

Data Management Support
Spreading awareness: a significant increase in researchers finding their way to the library for support and guidance in managing their data.

Activities for students
Front Office reaches students through relevant appearances, collaborations and fun, creative and hands-on activities.

Copyright in Teaching Materials
Setting an example: WUR Library actively offers sustainable support in how to use copyrighted materials in a learning environment.

Academic Heritage and Art
Special Collections manages academic heritage and organised the auction of 200 works of art.

Top 10

Team

Contact
Website

20 million hits of which
9.7 million downloads edepot
2.6 million pages library applications
1.6 million pages WUR Library search
2.1 million pages Groen Kennisnet
1.0 million pages website and Research@WUR
3.0 million downloads scientific journal articles
On April 4th 2019, team Research Support launched a new portal for the research output of WUR: Research@WUR. This portal showcases the research output for WUR, the research groups and the researchers. The portal has additional features like a map of collaborations and an automatic fingerprint of the research output.

Research@WUR provides an overview of a researcher’s expertise, publications, activities and media appearances that are registered in the WUR Research Information System, Pure. Research@WUR had 20K site visits in the last month of 2019, and the number of visits is still increasing.

In 2019 team Research Information registered and/or validated:

8944 Research Outputs
1418 Activities
1468 Press or media appearances
1641 Projects
304 Datasets

‘Research@WUR helped me to expand my scientific network.’
Sylvia Brugman

‘This portal is a next step towards One Wageningen. We can easily search for expertise to find researchers within WUR working on the same topic.’
Ellen Fest
The transition to Open Science is a key feature in WUR Strategic Plan 2019-2022. Team Research Support has been given a coordinating role in the implementation of the Open Science policy and developments. The year 2019 marks the development of the 4-year Open Science & Education Programme which was launched in July. The application of ‘Open’ in WUR research and education is, therefore, an essential and returning subject of discussion on many different levels.

Themes like Open Access and FAIR data have made some great progress in determining realistic goals for the coming years. Issues like Open Education, Citizen Science, Outreach to the public and Recognition and Appreciation, obtained significant consideration and will be further developed within WUR. Quote: “We embrace developments and policies in Open Science in line with the National Plan Open Science and will implement them in the coming years.” (WUR Strategic Plan 2019-2022)
Open Access

Several vital developments were initiated in 2019 to further stimulate and facilitate publishing through Open Access for WUR staff and faculty. We have reached national and local agreements with several publishers, among which Elsevier, allowing us to publish Open Access against reduced fees or free of charge. WUR researchers now have over 10,000 magazines at their disposal under these agreements, a 10% increase from 2018.

Besides, a WUR and nationwide pilot was done to allow researchers to Open Access publish peer-reviewed articles under article 25fa of the copyright law (the Taverne amendment), regardless of the restrictions imposed by the publishers. In 2020 we will develop and implement a new procedure for WUR. 56% of the publications of WUR researchers was done through Open Access, a number that is still rising as a result of embargos being lifted.

The infographic shows the situation at the end of 2019.

Go to: www.wur.eu/library/open-access
Use the WUR Journal Browser and find out in which high-quality journals you can publish Open Access without extra costs.

Open up to Open Access

What’s in it for you?

- Increase your impact
- Comply with funder regulations
- Deliver science to society
- Retain copyright

Open Access at WUR

87,000 publications, including
16,500 peer-reviewed articles
7,500 PhD dissertations
36,000 reports

% Open Access peer-reviewed articles at WUR

2015 2016 2017 2018 2019

56% 44% 56% 57% 60%

WUR Library supports you!

WUR repository
Open Access

‘Open access helps to further increase the impact of our science’
Edubadges

This year team Education Support took part in a national pilot on Edubadges. The aim is to offer students the possibility to obtain digital 'mini-diplomas' (or 'micro-credentials') in the form of a badge in skills they acquired during their study.

This pilot, led by SURF, anticipates the changing ways in which students learn nowadays. There is a need for flexible education, and through this approach, we can show what skills are needed and what skills have already been acquired.

WUR Library collaborated with Vrije Universiteit and Hogeschool van Amsterdam to investigate the possibility of institution-transcending learning levels for Information Literacy, based on standardised international frameworks and models.

In order to issue badges to students, a particular infrastructure is needed. In the pilot, we tested the infrastructure offered by SURF, which is now being further developed based on the test results.
Library Game

The Library supports first-year students to quickly find their way in the digital and physical library and teaches them how to find literature, books or journals. In 2019, we gamified our introductory Library Assignment to enhance students’ learning experience and to improve the quality of the feedback they receive. In the game, students impersonate special agents in training. They crack codes and open locks by searching for books, articles and journals and by making correct references.

Also, due to a collaborative effort of different departments within the Library, 15 out of 19 Bachelors with 1246 out of 1640 first-year students took part in the Library Game. From our observations and evaluations, it became clear that students like the game better than the former assignment.

‘Because I switched courses, I did the WUR Library Game in my second year. The game gave me better insight into the library than a full year of studying had given me.’

Florine Gerridzen
On 19 July 2019, the Ministry of Agriculture, Nature and Food Quality (LNV) sent a letter to parliament announcing funding for a one-time upgrade of Groen Kennisnet (GKN) towards a national platform to make knowledge available to farmers.

This new platform is called GKN 3.0. Programme manager Rikus Marring and several colleagues within the GKN editing team have been working on formulating a vision and mapping the needs of the different target groups for several months now. Additionally, a new business model for GKN 3.0 is under development. The Groenpact (Green pact) conglomeration will make annual funding available for the upkeep of the new platform.

Thus, the year 2020 is a transition year for GKN, because the new business model will become effective when the new GKN 3.0 platform is implemented.
Data Management Support

Data Management Support (DMS) offers guidance to researchers in every step of the research cycle. From help with data management plans to expertise in ‘How to make data FAIR?’, DMS provides practical and in-depth advice.

DMS engages with researchers through presentations, workshops and meetings. In 2019, the number of researchers finding their way to the Library increased significantly. We see this as a direct result of our investment in face-to-face contact with researchers.

'We aim to provide researchers with practical and straightforward guidance on their data management.’

Shauna Ó Fhlaitherta

- 54 participants in our RDM course
- 39 Data Management Plans checked
- 90 participants in the Data Stewards Network
- 49 WUR Data Sets archived at DANS and 4TU
- 304 Data Sets registered in Pure
Users of the library increasingly find all spaces occupied. The front office offers not only smart support but also relaxation possibilities during the stressful exam weeks with the help of teams from within and outside of the library.

During the Surf Your Stress week students were able to meditate in the library and to study without the distraction of their phones by placing their mobile phone in self-made boxes. Various e-books on dealing with stress were made available.

The pop-up library offers information such as “How to find the best databases for your study” and “Citing and plagiarism” right where students gather.

Team Education Support took part in several Thesis Markets for Bachelor students because that is the typical time for students to need information on Searching and Referencing.
Copyright in Teaching Materials

Under the Easy Access provision between the VSNU and UvO, copyrighted materials may be used under specific conditions in the electronic learning environments Blackboard and Brightspace and in readers. Universities pay an annual sum based on the actual number of sources used, which makes using hyperlinks rather than the document itself preferable.

The Team Education Support and Student Affairs (ESA) actively support teachers by keeping them updated each period on what documents in Brightspace and Blackboard may be replaced by hyperlinks. Also, we point out which documents are excluded from the provision and suggest possible alternatives. To better serve teachers, we also participate in the VSNU project CopyRIGHT, a nationwide project to develop a tool that displays information on copyrights, licenses and open access upon uploading a document.
Academic Heritage and Art

Wageningen University & Research has formed an impressive collection of Academic Heritage over the years. Conserving, managing and making this collection available is one of the focal points for the Special Collections team. In 2019, the collection was expanded with detailed drawings made by former WU-employee Bas Ponsen, depicting the organs involved in metabolism and various lice species. Various collections of drawings have been digitised, such as the caricatures made by lecturer Louis Raemakers and pictures of fruit varieties, both from 1900. The Special Collections team has also started to scan approximately 35,000 photo cards that were part of the research carried out by the former IMAG (Institute for Mechanisation, Labour and Buildings).

A section of the art collection was auctioned out to staff and students to close a large scale project to inventory and appraise all the art present in WUR-buildings. During this project, over 800 pieces were photographed and their metadata added to a collection management system. External appraisers valued the items. Our storage contained over 250 art pieces, mostly borrowed from the national BKR-collection (provision for artists). Nine objects were returned to the national agency responsible for cultural heritage. In accordance with the national guidelines, 200 items form this storage and from the categories valued lowest, were auctioned.
Top 10

E-depot Downloads by Country

<table>
<thead>
<tr>
<th>Country</th>
<th>Downloads</th>
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<tbody>
<tr>
<td>Russia</td>
<td>51,978</td>
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<td>USA</td>
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<td>Netherlands</td>
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<td>Germany</td>
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<td>Belgium</td>
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<td>France</td>
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<td>Ukraine</td>
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<td>India</td>
<td>104,156</td>
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<tr>
<td>United Kingdom</td>
<td>89,705</td>
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</tbody>
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Fun Facts

- Open Access deals for authors: 10,010 journals
- Opening hours 2019: 4,456 hours
- Information Literacy training 2019: 4,002 students
- Digitised WUR content in 2019: 5,830 reports
- Number of loans in 2019: 7,792 books
- Campus Art management: 600 objects
- Library access for: 43,216 journals
- Image collections database: 34,450 images
- Forum Library study places: 650 seats
- Free ice creams for students: 130 ice creams

Articles with top AltMetric score

<table>
<thead>
<tr>
<th>Title</th>
<th>Altmetric Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food in the Anthropocene: the EAT–Lancet Commission on healthy diets from sustainable food systems</td>
<td>4,604</td>
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<tr>
<td>A metabolic profile of all-cause mortality risk identified in an observational study of 44,168 individuals</td>
<td>1,099</td>
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<td>Rising rural body-mass index is the main driver of the global obesity epidemic in adults</td>
<td>1,038</td>
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<td>WHO draft guidelines on dietary saturated and trans fatty acids: time for a new approach?</td>
<td>1,022</td>
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<tr>
<td>Global distribution of earthworm diversity</td>
<td>992</td>
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<tr>
<td>Nutrition in medical education: a systematic review</td>
<td>887</td>
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<tr>
<td>Loss rates of honey bee colonies during winter 2017/18 in 36 countries participating in the COLOSS survey, including effects of forage sources</td>
<td>783</td>
</tr>
<tr>
<td>Nature and mental health: An ecosystem service perspective</td>
<td>774</td>
</tr>
</tbody>
</table>

Joint authors NL

- University of Utrecht: 289
- University of Groningen: 123
- University of Amsterdam: 121
- Netherlands Institute of Ecology: 115
- Radboud University Nijmegen: 109

Joint authors abroad

- Swedish University of Agricultural Sciences (SE): 87
- Chinese Academy of Sciences (CN): 76
- University of Copenhagen (DK): 67
- Ghent University (BE): 64
- Aarhus University (DK): 64

Most downloaded Journals

<table>
<thead>
<tr>
<th>Journal</th>
<th>Downloads</th>
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</thead>
<tbody>
<tr>
<td>Science</td>
<td>36,889</td>
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<tr>
<td>Journal of Dairy Science</td>
<td>30,175</td>
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<tr>
<td>Food Chemistry</td>
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<td>Journal of Agricultural and Food Chemistry</td>
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<tr>
<td>PNAS</td>
<td>22,405</td>
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Team

Who is who? Click that face!