UNIVERSITY LIBRARY
ANNUAL REPORT 2023

UNIVERSITY OF TWENTE.

EDUCATION

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(DIGITAL) LIBRARY

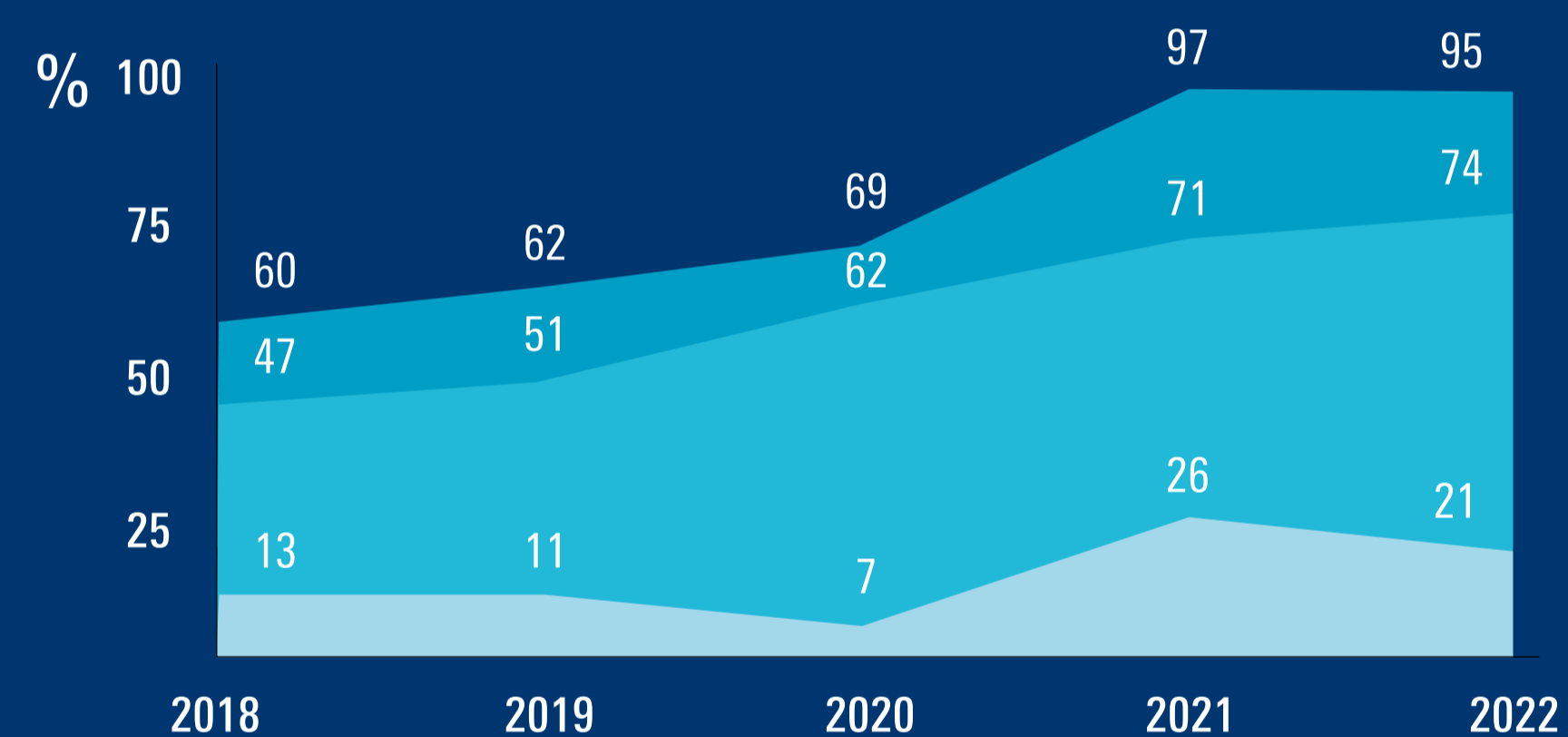ACCESS TO REQUIRED STUDY BOOKS

NEW FACULTY ON CAMPUS

FIGURES

RESEARCH

OPEN ACCESS

The UT's aim to make all its research output Open Access (OA) has made huge progress since the introduction of the OA policy. The latest monitoring, from 2022, shows that 95% of UT publications are OA. Since 2021, the total of OA publications declined by 2%, but the preferred route of Open Access (Immediate OA with a license for reuse) increased by 3%. This is also visible in **COKI**, a global OA dashboard, that shows the UT at the very top of all educational institutions with a minimum of 40,000 publications in total. The OA team is happy with this result.

PERCENTAGE OF UT OA PUBLICATIONS IN REFEREED JOURNALS

%	2018	2019	2020	2021	2022
100				97	95
75	60	62	69	71	74
	47	51	62		
50					
25	13	11	7	26	21

- ■ Total OA publications
- ■ Immediate OA with a licence for reuse
- ■ Only open in UT Research Information

Questionable publishing
In 2023, the OA team noted a rapid increase in online OA journals, and as a result more publishing options became available. This also resulted in the publication of more journals that may have a questionable origin and quality. These so-called 'questionable publishing practices' are becoming increasingly common. In response, the OA team issued guidelines to alert the UT community to these types of practices.

DIGITAL COMPETENCE CENTRE

The Digital Competence Centre (DCC) remains committed to bringing external knowledge to the UT and sharing its knowledge with affiliated and external researchers through Open Science and ICT facilities. To this extent, new collaborations with Thematic Digital Competence Centres (TDCCs) have been established, and the ongoing partnership with the Open Science Community Twente (OSCT) has been enhanced through a new series of thematic sessions revolving around the importance of FAIR principles and Open Science.

In 2023, the DCC expanded with three new data stewards and a team manager. With a dynamic team in continuous growth and development, the DCC will continue to advocate for proper research software and data management, while supporting researchers and students with the digitalization of science.

DATASETS DURING 2023

109 ARCHIVED IN REPOSITORIES (4TU, DANS)

119 METADATA DATASETS IN PURE

402 DATA MANAGEMENT PLANS

OPEN SCIENCE DAY

In October 2023, the Open Science Community Twente and the Digital Competence Centre organised an enlightening day dedicated to Open Science. The Open Science Day at the UT was an inspiring event that provided insights into the latest national developments, connected pioneers in the field, and offered a platform to share and exchange ideas.

Open Science: a practical guide for early-career researchers. **This guide** was developed by our OA specialist together with several national parties. The instructions in this guide intend to inspire young researchers and to help them practise Open Science, by sharing all aspects of research as openly as possible.

EDUCATION

SYSTEMATIC LITERATURE REVIEWS WORKSHOP

During the Advanced Workshop Systematic Literature Reviews (SLR), participants are introduced to various approaches to perform a systematic literature review. The course focuses on practising advanced techniques and practical tools and builds upon the skills learned during the Scientific Information bootcamp. Participants are encouraged to think about and discuss potential review approaches, and to try out novel tools for conducting systematic literature reviews.

WORKSHOPS: 4
PARTICIPANTS: 43
USER RATING: 7.4

"
THE INSTRUCTOR PRESENTED THE CONTENT IN AN ENGAGING WAY, AND THE ASSIGNMENT AND ASSOCIATED FEEDBACK HELPED ME IMPROVE MY RESEARCH PROTOCOL. OVERALL, ATTENDING THIS COURSE REINFORCED MY EXISTING KNOWLEDGE OF SYSTEMATIC WORK, SUPPORTED MY CURRENT STUDY, AND TAUGHT ME ABOUT DIFFERENT TYPES OF REVIEWS AND WHEN TO USE THEM, WHICH WILL BE USEFUL FOR MY FUTURE." — *PARTICIPANT SLR WORKSHOP*
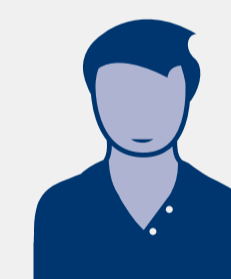
RESEARCH SUPPORT BOOTCAMPS

Data stewards in the faculties play an important role in the **Research Data Management (RDM)** training of researchers. In 2023, five RDM courses were offered as part of the Twente Graduate School (TGS) bootcamp for PhDs. From these courses 227 participants received a certificate.

Two **Software Carpentry bootcamps** were organised in 2023. These online workshops cover basic skills needed to work with reproducible code. 37 participants received a certificate.

The **Scientific Information bootcamp** is a compulsory TGS course given by the Information Specialists. The goal of this course is to provide PhDs with the necessary skills to systematically search for academic literature. In 2023, seven courses were given with a total of 280 participants passing the course.

COURSES: 5
CERTIFICATE: 227

BOOTCAMPS: 2
CERTIFICATE: 37

BOOTCAMPS: 7
CERTIFICATE: 280

RESEARCH DATA MANAGEMENT COURSES

SOFTWARE CARPENTRY BOOTCAMPS

SCIENTIFIC INFORMATION BOOTCAMP

"
THE PERSONAL FEEDBACK FROM THE DATA STEWARDS NOT ONLY HELPED ME TO IMPROVE MY DATA MANAGEMENT PLAN, BUT ALSO HELPED ME TO BETTER UNDERSTAND MY DATA. THROUGH CONSIDERING HOW I WILL PRESERVE AND PUBLISH MY DATA IN THE FUTURE, I LEARNT WHAT I CAN DO NOW TO MAKE THESE ACTIVITIES GO SMOOTHLY. THE DATA STEWARD WAS VERY APPROACHABLE FOR QUESTIONS AND PROVIDED ELABORATE EXPLANATIONS." — *PARTICIPANT RDM BOOTCAMP*
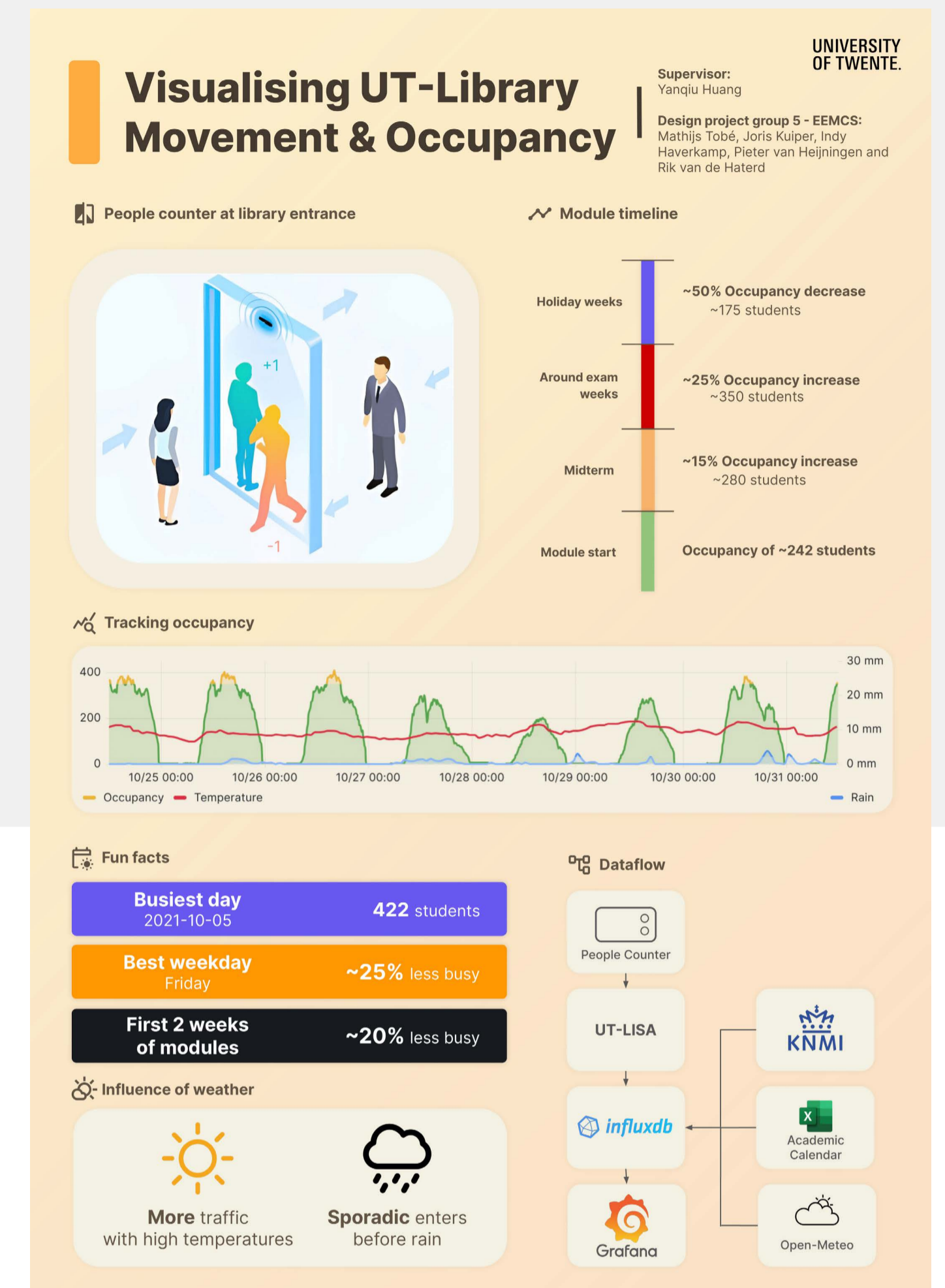
"
THE COURSE FOLLOWED A STRAIGHTFORWARD FORMAT: THEORETICAL INPUT, OPPORTUNITIES TO ASK QUESTIONS, AND DEDICATED TIME FOR ASSIGNMENTS. THIS FORMAT WORKED EXCEPTIONALLY WELL, ESPECIALLY FOR THOSE OF US BALANCING FULL-TIME WORK ALONGSIDE OUR PHD STUDIES." — *PARTICIPANT SCIENTIFIC INFORMATION BOOTCAMP*

LIBRARY AS A LIVING LAB

LEARNING CENTRE

The University Library saw an influx of visitors in 2023, with a record-breaking total of 587.329 individuals — a remarkable 25% increase compared to last year. The Library is happy to see so many students choosing the library as their place to study, however, these visitor numbers also bring new challenges such as crowd and noise management. Thankfully, UT students have shown a great degree of involvement and have reached out to help with these challenges. Several student groups have been working on tools to communicate the live and expected occupancy of the library, planned for introduction in 2024.

Visualising UT-Library Movement & Occupancy

Supervisor: Yanqiu Huang

Design project group 5 - EEMCS: Matthijs Tobé, Joris Kuiper, Indy Haverkamp, Pieter van Heijningen and Rik van de Haterd

UNIVERSITY OF TWENTE.

People counter at library entrance

Module timeline

Holiday weeks	~50% Occupancy decrease ~175 students
Around exam weeks	~25% Occupancy increase ~350 students
Midterm	~15% Occupancy increase ~280 students
Module start	Occupancy of ~242 students

Tracking occupancy

Fun facts

Busiest day 2021-10-05	422 students
Best weekday Friday	~25% less busy
First 2 weeks of modules	~20% less busy

Influence of weather

More traffic with high temperatures — Sporadic enters before rain

Dataflow

People Counter → UT-LISA → influxdb → Grafana; KNMI, Academic Calendar, Open-Meteo

STUDENT INVOLVEMENT

In general, student-led initiatives have taken flight during 2023, following the vision of the Library as a Living Lab. One of the highlights of 2023 was the professional communication strategy created by two Industrial Design Engineering (IDE) students inviting students to 'Leave Your Mark' in the library. Another highlight was the Chameleon Room, a dedicated space to take a break and socialize. This room was fully developed by IDE students and is a welcome addition to the diversity of the spaces offered in the library.

LEAVE YOUR MARK
@UTWENTELIBRARY

STUDENT WELL-BEING

Based on input from students, several structural improvements have been realised in the study landscape to facilitate students with an ergonomic study place. The Library has also been active in the UT wide Well-being Weeks, offering the well-being book collection, chair massages, and a community breakfast together with the Student Union. Throughout 2023, the Mindfulnest has been a steady place to recharge in between study sessions.

> WITH MY EXPERIENCE IN RUNNING A PROJECT IN THE LIBRARY I GOT A BETTER UNDERSTANDING OF THE IMPORTANCE OF THIS PLACE TO MANY STUDENTS, AND HOW THIS PLACE CAN BE OF GREAT INFLUENCE AND VALUE ON SOMEONE'S STUDY CAREER! IT MADE ME CONNECT WITH THE PLACE AND THE UNIVERSITY BETTER." — *CREATIVE TECHNOLOGY STUDENT*
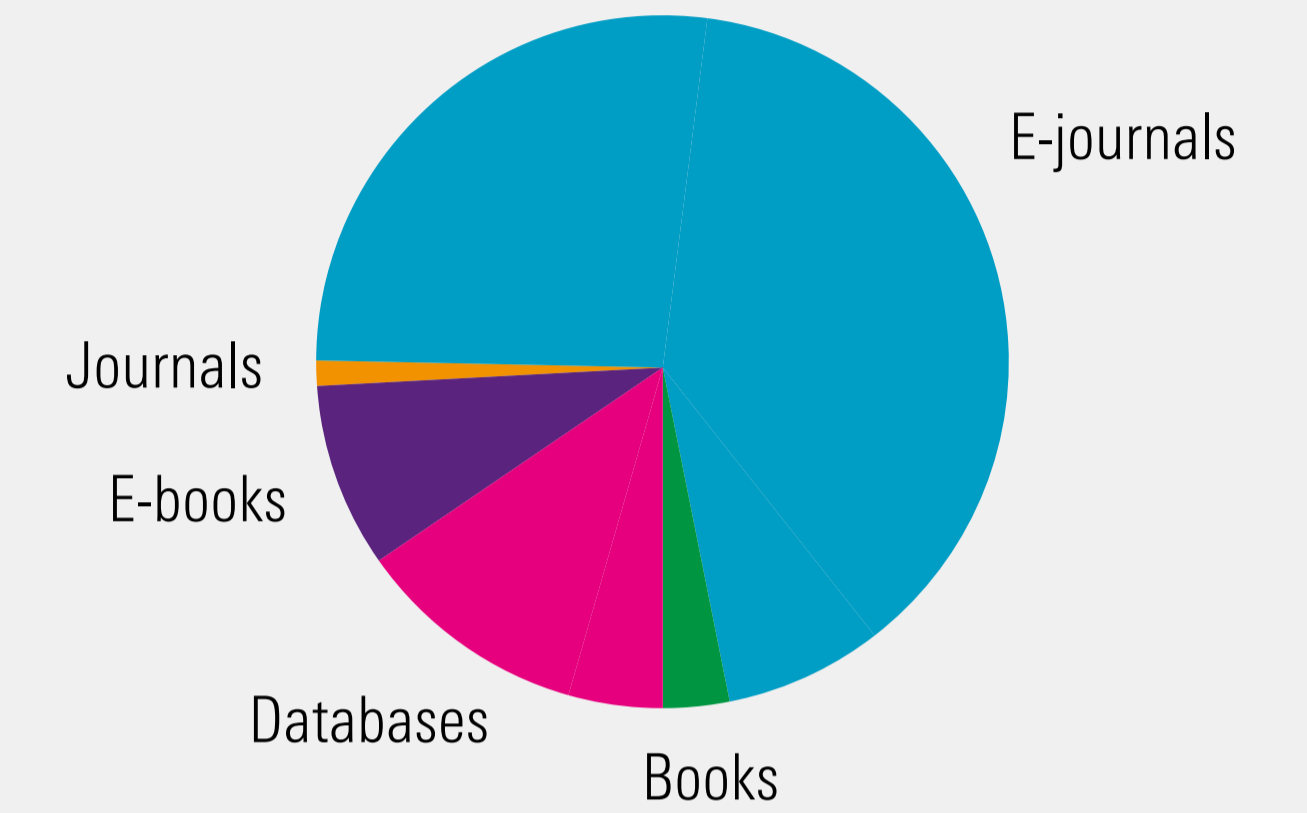
(DIGITAL) LIBRARY

FIGURES 2023

COLLECTION BY MATERIAL TYPE

⭐	Books	258.193
	- Open stacks	4.115
	- Closed depots	254.078
⭐	E-journals	79.882
⭐	E-books	147.041
⭐	Databases	18

ACQUISITION COSTS BY MATERIAL FORMAT

E-journals
Journals
E-books
Databases
Books

ACCESS TO REQUIRED STUDY BOOKS

The University Library has been providing required study books for years. As the library becomes more digital, these study books are purchased more often as e-books. The Library aims to acquire these without any access restrictions, however unfortunately this is not always possible. This is especially the case for textbooks, often used in education. E-books are then purchased with Digital Rights Management (DRM), resulting in access restrictions on simultaneous use, printing, and downloading. In 2023, the Library added information about restrictions per owned e-book per quartile via the 'Notes & License terms' button in the UT's content search tool FindUT. Also, the 'Course Reserves' tab has been added, which provides a list of required study books per faculty including the license terms.

The library's collection is 97% digital, and access is mostly based on IP-range. Providing access to subscribed content is a complex and technical challenge. The Lean Library plugin is an important tool to provide off-campus access to subscribed content. Identifying and solving access problems has become an important task of a modern-day library.

NEW FACULTY ON CAMPUS

In April 2023, the Faculty of Geo-Information Science and Earth Observation (ITC) moved to the university campus, with the official opening of the new building Langezijds in July. This brand-new building is the most sustainable on campus and the Dutch School building of the year 2023. The ITC Learning Centre is also located in this building. Prior to the move, the collection was reorganised and distributed based on national guidelines for universities. The collection is now partly in open display in Langezijds, and partly available in the Vrijhof.