IFLA/ENSULIB presents

Green and Sustainable Academic Libraries Facing the UN Agenda 2030 in the Post-COVID Era

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IFLA Environment, Sustainability and Libraries Section (ENSULIB)
Netzwerk Grüne Bibliothek (German Green Library Network)
28th Panhellenic Academic Libraries Conference
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“Green and sustainable academic libraries in the post-COVID era”

IFLA Section
Environment,
Sustainability and Libraries

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Agenda

- Introduction: United Nations Agenda 2030
- Libraries: essential partners for the Agenda 2030
- IFLA Library Map of the World: SDG Stories
  - UCC Library, Cork, Ireland
- IFLA / ENSULIB
- What is a Green Library?
  - Definition
  - Examples
- Let’s go green – outside the library box!

https://www.ulebelt.nl/site/wp-content/uploads/2019/08/SDG-goals-logo.jpg

United Nations Agenda 2030

https://sdgs.un.org/publications/transforming-our-world-2030-agenda-sustainable-development-17981

- Published 2015
- 17 Goals adopted by all United Nations Member States
- 15-year plan to achieve the 17 Goals
- Universal call to all to **action**
- To end poverty, protect the planet and improve the lives and prospects of everyone, everywhere

1 ΜΗΔΕΝΙΚΗ ΦΤΩΧΕΙΑ
2 ΜΗΔΕΝΙΚΗ ΠΕΙΝΑ
3 ΚΑΛΗ ΥΓΕΙΑ ΚΑΙ ΕΥΗΜΕΡΙΑ
4 ΠΟΙΟΤΙΚΗ ΕΚΠΑΙΔΕΥΣΗ
5 ΙΣΟΤΗΤΑ ΤΩΝ ΦΥΛΩΝ
6 ΚΑΘΑΡΟ ΝΕΡΟ – ΑΠΟΧΕΤΕΥΣΗ
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9 ΒΙΟΜΗΧΑΝΙΑ, ΚΑΙΝΟΤΟΜΙΑ ΚΑΙ ΥΠΟΔΟΜΕΣ
10 ΛΙΓΟΤΕΡΕΣ ΑΝΙΣΟΤΗΤΕΣ
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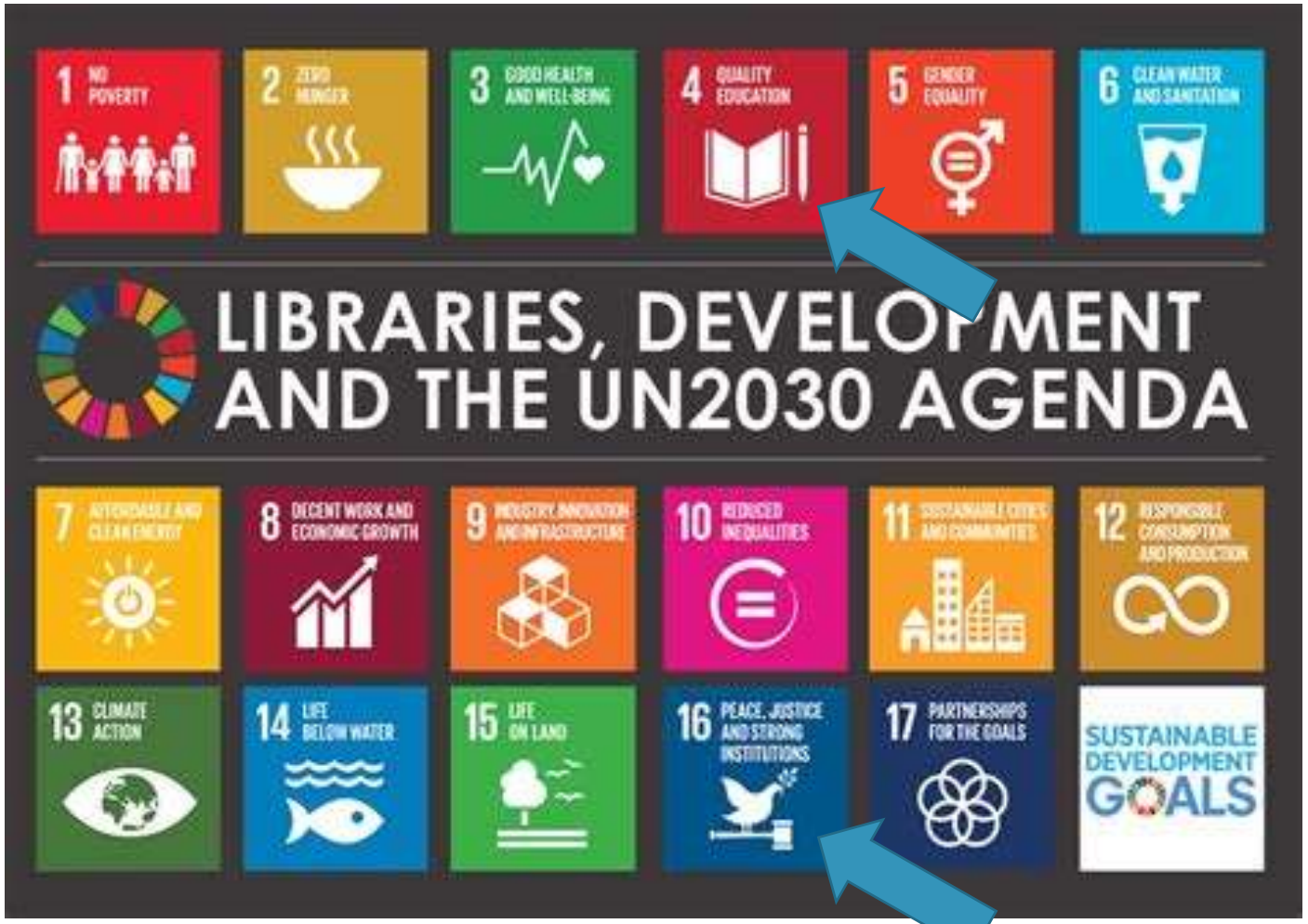
13 ΔΡΑΣΗ ΓΙΑ ΤΟ ΚΛΙΜΑ
14 ΖΩΗ ΣΤΟ ΝΕΡΟ
15 ΖΩΗ ΣΤΗ ΣΤΕΡΙΑ
16 ΕΙΡΗΝΗ, ΔΙΚΑΙΟΣΥΝΗ ΚΑΙ ΙΣΧΥΡΟΙ ΘΕΣΜΟΙ
17 ΣΥΝΕΡΓΑΣΙΑ ΓΙΑ ΤΟΥΣ ΣΤΟΧΟΥΣ
ΒΙΩΣΙΜΟΙ ΑΝΑΠΤΥΞΙΑΚΟΙ ΣΤΟΧΟΙ

IFLA - the Global Voice of Libraries and Their Users



https://www.ifla.org/wp-content/uploads/2019/05/assets/hq/topics/libraries-development/images/sdgs-banner.jpg

IFLA involved with the creation of the UN Agenda 2030

- advocating for inclusion of
  - access to information,
  - safeguarding of cultural heritage,
  - universal literacy,
  - and access to information and communication technologies (ICT)

Covid-19 vs. SDGs – Lessons learned

- COVID-19 can be seen as a warning to mankind.
- The cause of the emergence and spread of the pandemic is the careless management of our natural resources that need to be protected.
- The world needs to recover not only from Covid-19 but from the ruthless exploitation of their resources.
- The SDGs show us the way out of this crisis, which can be seen as an opportunity.
- Libraries positioning themselves as advocates and ambassadors of the 2030 Agenda thus assume a vital role in society.

Libraries - Key Institutions for Achieving the Goals

LIBRARIES CAN DRIVE PROGRESS ACROSS THE ENTIRE UN 2030 AGENDA

IFLA
The trusted global voice of the library and information profession (www.ifla.org).

The International Federation of Library Associations and Institutions (IFLA) is the leading international body representing the interests of library and information services and their users.

UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY

END POVERTY IN ALL ITS FORMS EVERYWHERE

Libraries support this goal by providing...

- Public access to information and resources that give people opportunities to improve their lives
- Training in new skills needed for education and employment
- Information to support decision-making by governments, civil society, and businesses to combat poverty

2 ZERO HUNGER

END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE

Libraries support this goal by providing...

- Agricultural research and data on how to make crops more productive and sustainable
- Public access for farmers to online resources like local market prices, weather reports, and new equipment

3 GOOD HEALTH AND WELL-BEING

ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

Libraries support this goal by providing...

- Research available in medical and hospital libraries that supports education and improves medical practice for health care providers
- Public access to health and wellness information in public libraries that helps individuals and families stay healthy

4 QUALITY EDUCATION

ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL

Libraries support this goal by providing...

- Dedicated staff who support early literacy and lifelong learning
- Access to information and research for students everywhere
- Inclusive spaces where cost is not a barrier to new knowledge and skills

5 GENDER EQUALITY

ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

Libraries support this goal by providing...

- Safe and welcoming meeting spaces
- Programmes and services designed to meet the needs of women and girls, like rights and health
- Access to information and ICT that helps women build business skills

6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

Libraries support these goals by providing...

- Access to quality information and good practices that support local water management and sanitation projects
- Free and reliable access to electricity and light to read, study, and work

8 DECENT WORK AND ECONOMIC GROWTH

PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

Libraries support this goal by providing...

- Access to information and skills training that people need to find, apply for, and succeed in better jobs

- Libraries are key institutions for achieving the Goals
- Libraries are well positioned to contribute to the Sustainable Development Goals
- Network of at least 2.3 million institutions
- Global reach and the ability to understand and respond to local needs and priorities

https://www.ifla.org/wp-content/uploads/2019/05/assets/hq/topics/libraries-development/documents/sdgs-insert.pdf

Libraries - Key Institutions for Achieving the Goals

END POVERTY IN ALL ITS FORMS EVERYWHERE

Libraries support this goal by providing…

- Public access to information and resources that give people opportunities to improve their lives
- Training in new skills needed for education and employment
- Information to support decision-making by governments, civil society, and businesses to combat poverty

Libraries and the UN Agenda 2030

- Guarantor for access to reliable information
- Prerequisite for achieving the Sustainable Development Goals
- IFLA/Libraries as advocates for the UN Agenda 2030
- "Sustainability is Libraries' Business!"
  - Exemplars, Educators, Enablers
- More than "information"!

https://www.ifla.org/publications/sustainability-is-libraries-business-libraries-and-sustainable-development
https://www.ifla.org/wp-content/uploads/2019/05/assets/hq/topics/libraries-development/documents/sustainability-is-libraries-business-de.pdf

IFLA's "Library Map of the World“: SDG Stories

- Worldwide examples
- How libraries contribute to the implementation of the SDGs in their communities
- Different contexts:
  - large national or university libraries
  - small public, school or mobile libraries.

ories

SDG Stories

- Libraries: essential providers of access to medical research
- Public access to health information helps to be better informed about health issues

SDG Stories

- Terms
  - “academic”
  - “University”
  - “High School”
  - …

SDG Stories

- Ireland
- Two stories
- University College Cork (UCC) Library

University College Cork (UCC) Library

LIBRARY MAP OF THE WORLD

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Ireland

Relevant SDGs

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LIBRARY'S CAMPAIGN IMPROVES SUSTAINABILITY AND DECREASES RESOURCE CONSUMPTION

In 2016, the **University College Cork (UCC) Library** launched its **sustainability campaign**, Love Our Library. As a result of actions taken in the campaign's first year, the Library saved over 155,000 KWH - a 9% reduction in energy use. This savings is enough to power a light bulb for 1,770 years or travel around the world 24 times in an electric car!

The UCC, like all public-sector organisations in Ireland, was obliged under the Public-Sector Energy Efficiency Programme to increase efficiency by 33% by the year 2020. A 2016 review identified the UCC Library, the heart of the campus both geographically consumers on campus – acc energy use.

https://librarymap.ifla.org/stories/Ireland/LIBRARY%E2%80%99S-CAMPAIGN-IMPROVES-SUSTAINABILITY-AND-DECREASES-RESOURCE-CONSUMPTION/155

- Sustainability Campaign
- „Love Our Library“
- Green team
  - Library staff
  - Univ‘s energy manager
  - Sustainability officer
  - …
- Focus
  - Waste management
  - Energy / water use
  - Improve library operations

University College Cork (UCC) Library

"The "Love our Library" led by the green library team is an inspiring action amongst our students and staff, as well as the wider community. This campaign has been instrumental in broadening participation in the Green Campus programme across UCC, and speaks directly to the university's strategic aim to embed sustainability into all aspects of our operations" John O'Halloran, Deputy President & Registrar, University College Cork.

- Sustainability Campaign
- „Love Our Library“
- Entire University community impacted
  - University staff
  - Students
- Social Media
- Influencing people's behaviour
- SDG ethos: “Think globally: act locally”

https://www.ifla.org/ifla-green-library-award-2019-winners-announced/

University College Cork (UCC) Library

- Re-balanced air ventilation and heating systems
- Lights turned off centrally in low occupancy areas during the summer months
- Energy savings of €20,000 over 6 month
- Savings reinvested in the library
- Used for further environmental measures
- Air barrier at the front entrance to the library

UCC Library Sustainability: Energy Saving

Information on UCC Library's Sustainability Campaign.

Search this Guide | Search

Welcome | Recycling & Waste Management | Energy Saving | Ditch the Disposable | Transport | Projects | How are we doing?

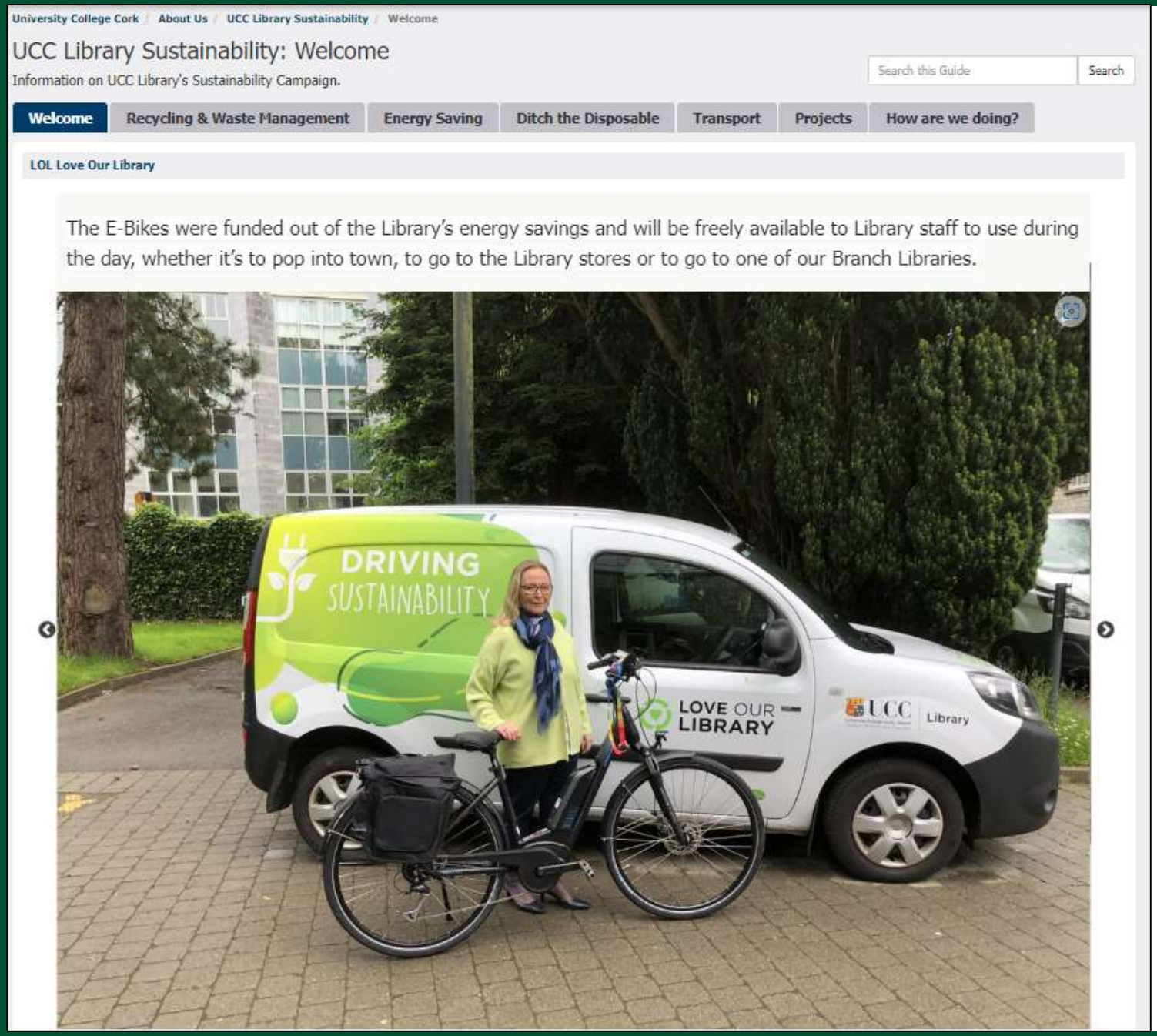
Tackling Energy Use

The Buildings & Estates Office in UCC

- Re-balanced air ventilation and heating systems to improve the office and reading room environmental conditions.
- Reduced operating times of building services to suit the library occupancy profile.
- Turned off lights centrally in low occupancy areas during the summer months.

By implementing these changes (at minimum costs) we were able to make energy savings of €20,000 over the course of a six month period. These savings were reinvested in an air barrier at the front entrance to the library, which reduces the amount of cold air entering the building in the winter and warm air in the summer.

We saved 155,000 KWH in 2017, which is equal to a 9% reduction in our energy use. This constitutes enough energy to power a light bulb for 1,770 years or travel around the world 24 times in an electric car!



University College Cork (UCC) Library

- E-Bikes freely available to Library staff

Welcome | Recycling & Waste Management | Energy Saving | Ditch the Disposable

Binless Offices and Centralised Waste Collection

Binless Office

- Waste is no longer collected from staff desks
- New compost and recycling bins installed in the staff kitchen

Centralised Waste Collection

- All bins removed from the reading rooms.
- New waste recycling stations installed on the ground floor of the Boole Library.
- All Library users, both staff and students, can separate their waste for recycling and dispose of it.
- Cleaning staff have more time for other cleaning activities

University College Cork (UCC) Library

- Recycling & Waste Management
  - Binless Office
  - Centralised Waste Ccollection

https://libguides.ucc.ie/librarysustainability/recycling

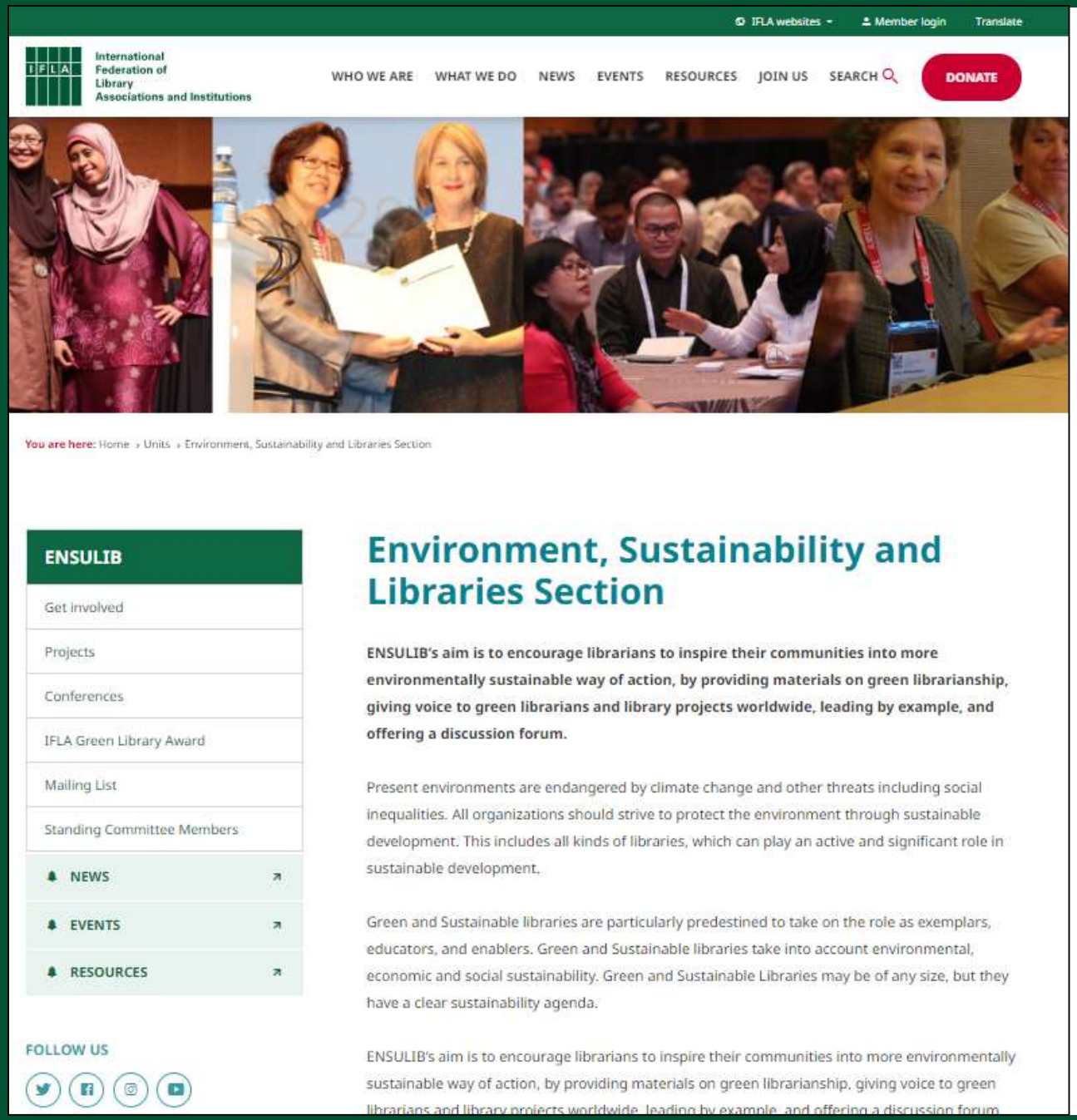
https://libguides.ucc.ie/librarysustainability/welcome

University College Cork (UCC) Library

- Suggestions/Comments Board
- Suggestions
- Comments

„We do our best to act on these suggestions where we can."

IFLA GREEN LIBRARY AWARD



- Projects
  - Book publications
  - Checklists
  - Green Library Website
  - ENSULIB Newsletter
  - ENSULIB Webinars
  - Tools for Green Libraries
- IFLA Congresses
- IFLA Green Library Award
- Social media:
  - Facebook
  - Twitter
  - Instagram
  - YouTube
  - SlideShare

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FOLLOW US

Get involved with ENSULIB!

Being active with ENSULIB carries many benefits, including

- Expanding your professional network;
- Getting introduced to the Green Library network on an international level;
- Staying informed about sustainability issues important to both you as a green librarian and the green library field at large.

https://www.youtube.com/watch?v=CF1iTC6pqbg&t=2s

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International Federation of Library Associations and Institutions

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The Green Library Checklists Project

The Green Library Checklist, "Sustainable buildings, equipment, and management. A checklist" was originally published in German/English in: *The Green Library = Die grüne Bibliothek. The challenge of environmental sustainability* / ed. on behalf of IFLA by Petra Hauke, Karen Latimer and Klaus Ulrich Werner. München/Boston: De Gruyter Saur, 2013. VIII, 433 pp., ill. (IFLA Publications, 161) ISBN 978-3-11-030972-0. Available online, as open access/under an open access license.

The Checklist is available in the following languages: German/English (original)

Translations:

Arabic — Catalan — Chinese — Croatian — Czech — Farsi(Persian) — Finnish — Indonesian — Italian — Norwegian — Polish — Romanian — Russian — Serbian — Spanish — Swedish — Thai — Turkish — Usbek

Coming soon:
Greek translation!

Klaus Ulrich Werner

Nachhaltigkeit bei Bau, Ausstattung und Betrieb.

Eine Checkliste

Sustainable buildings, equipment, and management.

A checklist[1]

Originally published in: The Green Library = Die grüne Bibliothek. The challenge of environmental sustainability / ed. on behalf of IFLA by Petra Hauke, Karen Latimer and Klaus Ulrich Werner. München/Boston: De Gruyter Saur, 2013. VIII, 433 pp., ill. (IFLA Publications, 161) ISBN 978-3-11-030972-0. Abstracts freely available at: http://www.degruyter.com/view/product/204586

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Für jede Baumaßnahme, wie auch generell für jedes komplexe Vorhaben, sind Checklisten nützlich um abzuprüfen, ob man an alles gedacht hat. Die folgende Liste zu Aspekten von Planung, Bau, Ausstattung sowie Bibliotheksbetrieb dient dieser Vollständigkeitsprüfung, wenngleich die präsentierte Liste dennoch keinen Anspruch auf Vollständigkeit erheben kann.

For any construction project, just as for any complex undertaking in general, a checklist provides a useful means of confirming that everything has been considered. Although it cannot claim to be exhaustive, the following list of aspects of planning, construction, and also library operation, is designed to help ensure that everything has been considered.

1	Projektierung, Finanzierung	1	Project planning, finance
•	Frühzeitige Diskussion mit dem Bauherrn über die Nachhaltigkeits-ziele und Festlegung von Kriterien	•	Early discussion of sustainability goals with the client and the establishment of criteria
•	Orientierung an der Definition eines ‚Grünen Gebäudes': wirtschaftlich, …weltfreundlich, ressourcen-…d. Hohe Behaglichkeit für die …esundheitlich unbedenklich …sich optimal in ihr sozio-…es, d. h. nachbarschaftliches …ifeld ein.	•	A sense of direction on the definition of a 'green building': economical, environmentally friendly, resource saving. High level of comfort for users, a healthy environment with optimal integration into their socio-cultural i. e. neighbourhood surroundings.
•	Anknüpfung an die Umweltziele des	•	Establishment of the environmental

[1] Transl. from German into English by Karen Latimer.

ENSULIB's book projects are all available with …

… Open Access!

https://www.ibi.hu-berlin.de/de/studium/studprojekte/buchidee

IFLA websites Memb

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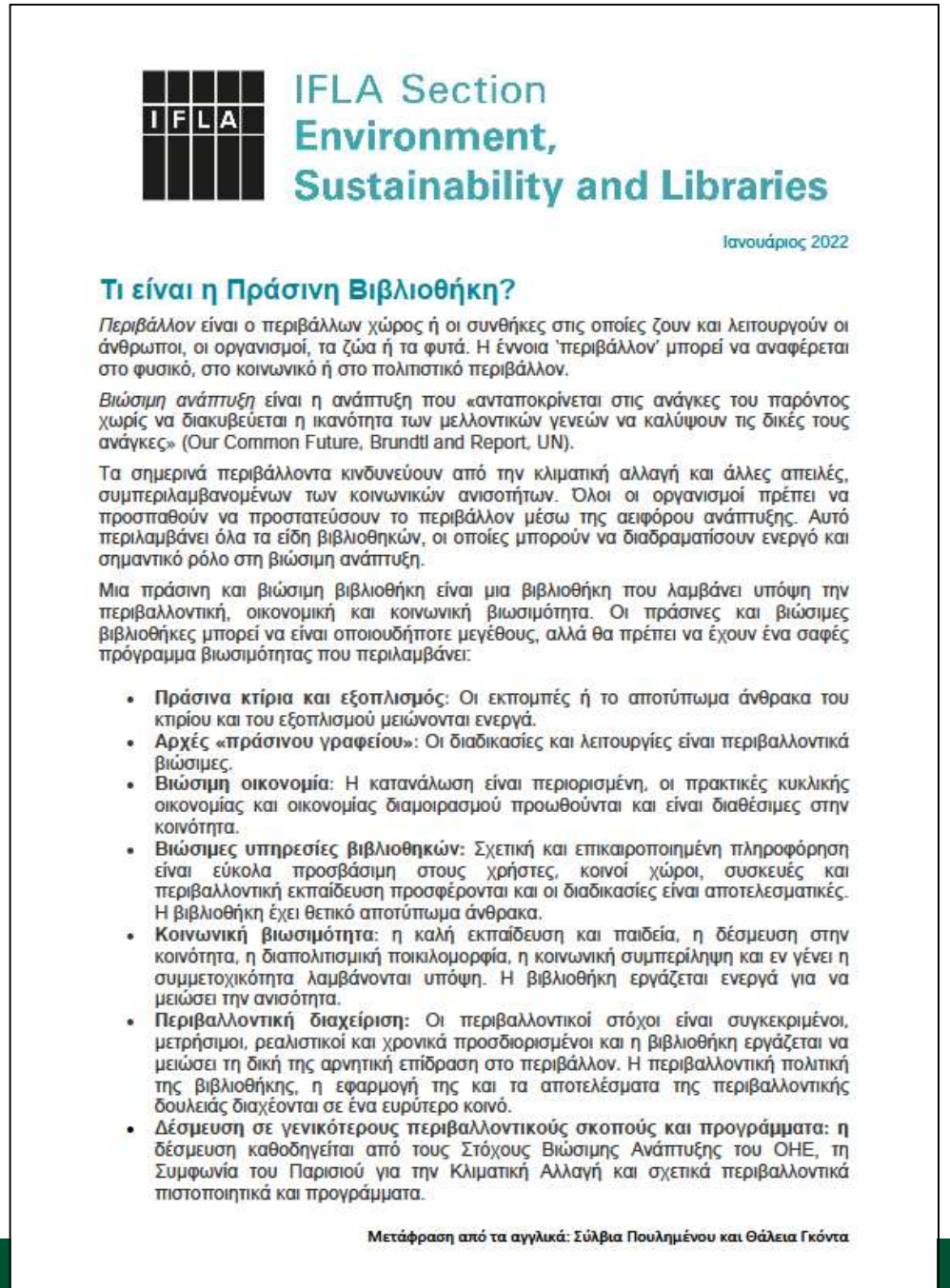


IFLA Section
Environment, Sustainability and Libraries

Ιανουάριος 2022

Τι είναι η Πράσινη Βιβλιοθήκη?

Περιβάλλον είναι ο περιβάλλων χώρος ή οι συνθήκες στις οποίες ζουν και λειτουργούν οι άνθρωποι, οι οργανισμοί, τα ζώα ή τα φυτά. Η έννοια 'περιβάλλον' μπορεί να αναφέρεται στο φυσικό, στο κοινωνικό ή στο πολιτιστικό περιβάλλον.

Βιώσιμη ανάπτυξη είναι η ανάπτυξη που «ανταποκρίνεται στις ανάγκες του παρόντος χωρίς να διακυβεύεται η ικανότητα των μελλοντικών γενεών να καλύψουν τις δικές τους ανάγκες» (Our Common Future, Brundtl and Report, UN).

Τα σημερινά περιβάλλοντα κινδυνεύουν από την κλιματική αλλαγή και άλλες απειλές, συμπεριλαμβανομένων των κοινωνικών ανισοτήτων. Όλοι οι οργανισμοί πρέπει να προσπαθούν να προστατεύσουν το περιβάλλον μέσω της αειφόρου ανάπτυξης. Αυτό περιλαμβάνει όλα τα είδη βιβλιοθηκών, οι οποίες μπορούν να διαδραματίσουν ενεργό και σημαντικό ρόλο στη βιώσιμη ανάπτυξη.

Μια πράσινη και βιώσιμη βιβλιοθήκη είναι μια βιβλιοθήκη που λαμβάνει υπόψη την περιβαλλοντική, οικονομική και κοινωνική βιωσιμότητα. Οι πράσινες και βιώσιμες βιβλιοθήκες μπορεί να είναι οποιουδήποτε μεγέθους, αλλά θα πρέπει να έχουν ένα σαφές πρόγραμμα βιωσιμότητας που περιλαμβάνει:

- **Πράσινα κτίρια και εξοπλισμός**: Οι εκπομπές ή το αποτύπωμα άνθρακα του κτιρίου και του εξοπλισμού μειώνονται ενεργά.
- **Αρχές «πράσινου γραφείου»**: Οι διαδικασίες και λειτουργίες είναι περιβαλλοντικά βιώσιμες.
- **Βιώσιμη οικονομία**: Η κατανάλωση είναι περιορισμένη, οι πρακτικές κυκλικής οικονομίας και οικονομίας διαμοιρασμού προωθούνται και είναι διαθέσιμες στην κοινότητα.
- **Βιώσιμες υπηρεσίες βιβλιοθηκών:** Σχετική και επικαιροποιημένη πληροφόρηση είναι εύκολα προσβάσιμη στους χρήστες, κοινοί χώροι, συσκευές και περιβαλλοντική εκπαίδευση προσφέρονται και οι διαδικασίες είναι αποτελεσματικές. Η βιβλιοθήκη έχει θετικό αποτύπωμα άνθρακα.
- **Κοινωνική βιωσιμότητα**: η καλή εκπαίδευση και παιδεία, η δέσμευση στην κοινότητα, η διαπολιτισμική ποικιλομορφία, η κοινωνική συμπερίληψη και εν γένει η συμμετοχικότητα λαμβάνονται υπόψη. Η βιβλιοθήκη εργάζεται ενεργά για να μειώσει την ανισότητα.
- **Περιβαλλοντική διαχείριση:** Οι περιβαλλοντικοί στόχοι είναι συγκεκριμένοι, μετρήσιμοι, ρεαλιστικοί και χρονικά προσδιορισμένοι και η βιβλιοθήκη εργάζεται να μειώσει τη δική της αρνητική επίδραση στο περιβάλλον. Η περιβαλλοντική πολιτική της βιβλιοθήκης, η εφαρμογή της και τα αποτελέσματα της περιβαλλοντικής δουλειάς διαχέονται σε ένα ευρύτερο κοινό.
- **Δέσμευση σε γενικότερους περιβαλλοντικούς σκοπούς και προγράμματα: η** δέσμευση καθοδηγείται από τους Στόχους Βιώσιμης Ανάπτυξης του ΟΗΕ, τη Συμφωνία του Παρισιού για την Κλιματική Αλλαγή και σχετικά περιβαλλοντικά πιστοποιητικά και προγράμματα.

Μετάφραση από τα αγγλικά: Σύλβια Πουλημένου και Θάλεια Γκόντα

What is a Green Library?

- The Green Library definition
- Available in 15 languages …
- … including Greek!

https://www.ifla.org/ifla-green-library-definition/

IFLA
ENSULIB

Green Libraries – Sustainable Libraries

A *green and sustainable library*

- takes into account
  - *environmental,*
  - *economic*
  - and *social sustainability*
- may be of any size, but should have a clear sustainability agenda, …

… which includes …

IFLA ENSULIB

Green Libraries – Sustainable Libraries

- Green buildings and equipment
- Green office principles
- Sustainable economy
- Sustainable library services
- Social sustainability
- Environmental management
- Commitment to general environmental goals and programmes

Some examples >>>>>

IFLA ENSULIB

Green Libraries – Sustainable Libraries

Green buildings and equipment

https://www.nachhaltigkeit.ruhr-uni-bochum.de/nhb/projekte/campus_gardening.html.de

- Emissions, carbon footprint
  - Photovoltaik
  - Green roofs / Gardening projects
    - “Campus Gardening”
      Ruhr University Bochum, Germany
- Certificates
  - LEED
  - BREAM
- Green facility management
  - Lightening
  - Heating
  - Water management
  - Cleaning …

Green Libraries – Sustainable Libraries

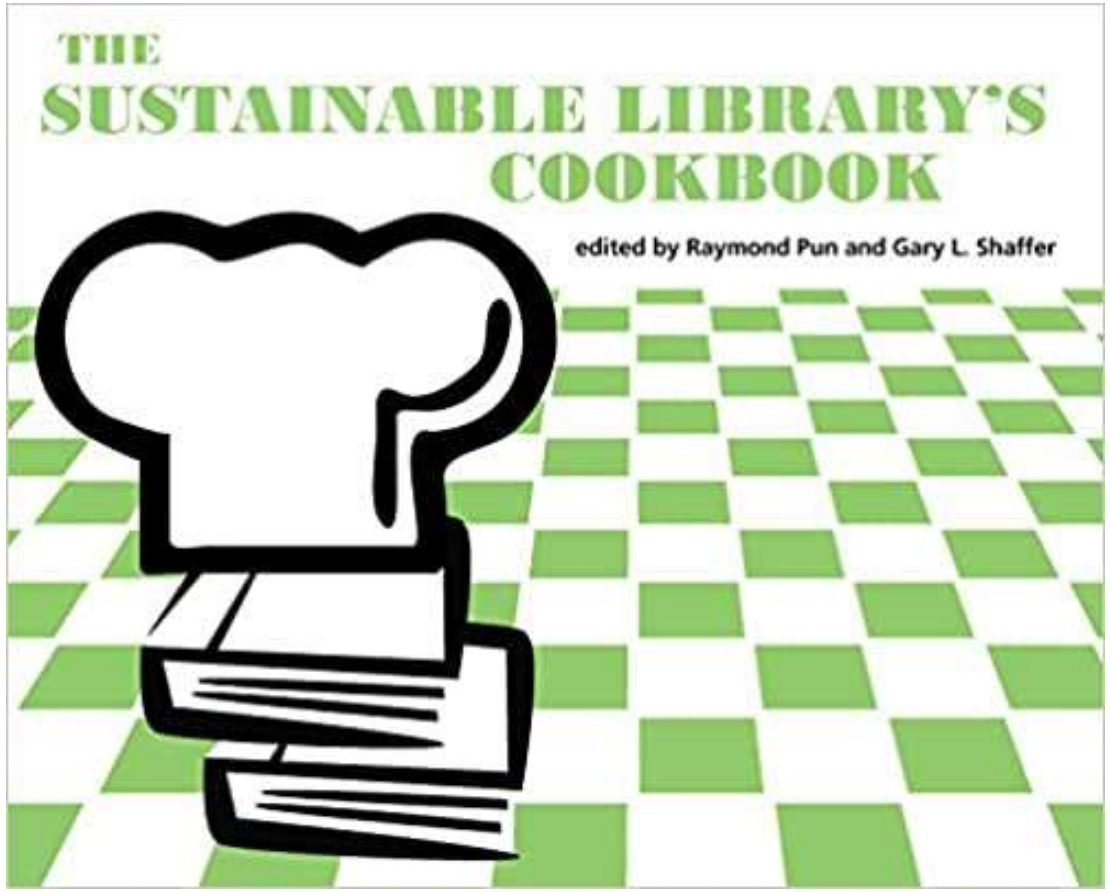
Green office principles

- Operational routines and processes
  - Waste minimization
  - Improving purchasing
  - Recycling
  - Double-sided printing
  - Scan instead of print
  - Going digital
  - Turn computers off (not only) at night
  - BYO (Bring your own) Bottle
  - …

https://www.vpul.upenn.edu/pwc/files/Rethink_poster_office_300dpi_resize.jpg

Green Libraries – Sustainable Libraries

Sustainable economy



- Consumption restrained, circular and sharing economy practices
- “I believe you have my Stapler” - How to encourage Reuse with an Office Supply Program

“Cookbook” – Association of College and Research Libraries (Div. of ALA)

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Sustainable library services

- Information, shared spaces, devices, education, positive carbon handprint
  - The Philological Library in Berlin, Germany
  - Bicycle ergometer equipped with a small book reading table
  - Generates electricity for charging mobile phones or laptops
  - “Charge your brain – Charge your phone”

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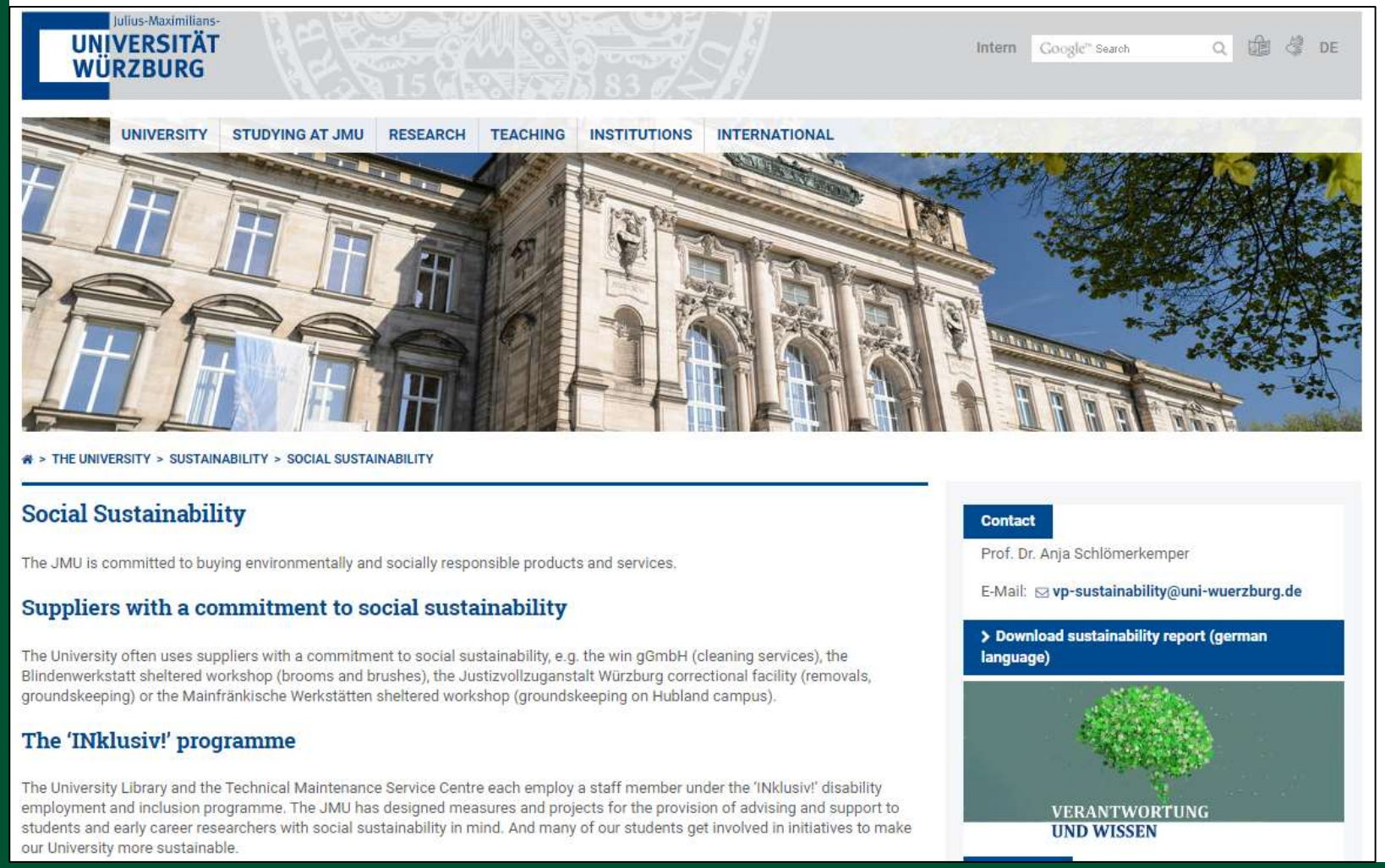
Social sustainability



- Education
- Literacy
- Community engagement
- Cross cultural diversity
- Social inclusion
- Participation
- Reduced inequality

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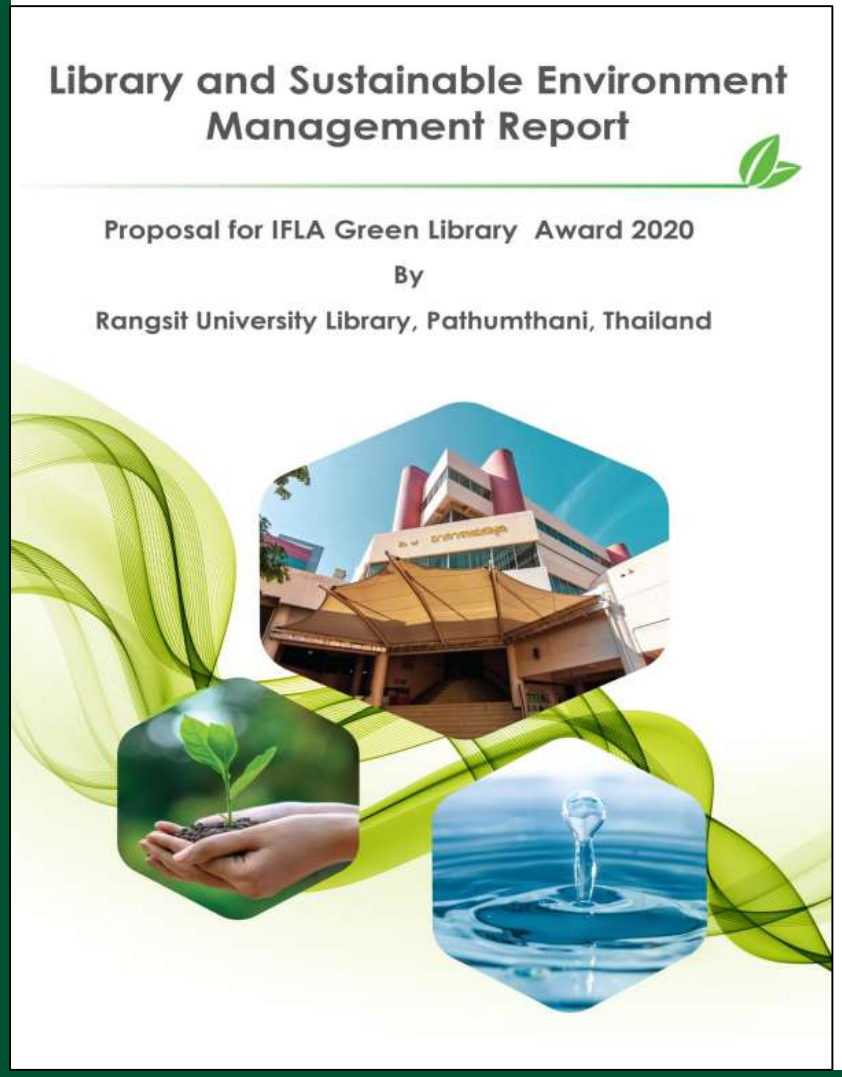
Environmental management



- Deliberate environmental goals, decrease own negative impact on environment
- Environmental policy: implementation and the results of environmental work communicated to a broader audience
- Rangsit University Library , Thailand

https://www.ifla.org/wp-content/uploads/2019/05/assets/environmental-sustainability-and-libraries/documents/thailand_univlibrsustenvmanagemreport2020.pdf

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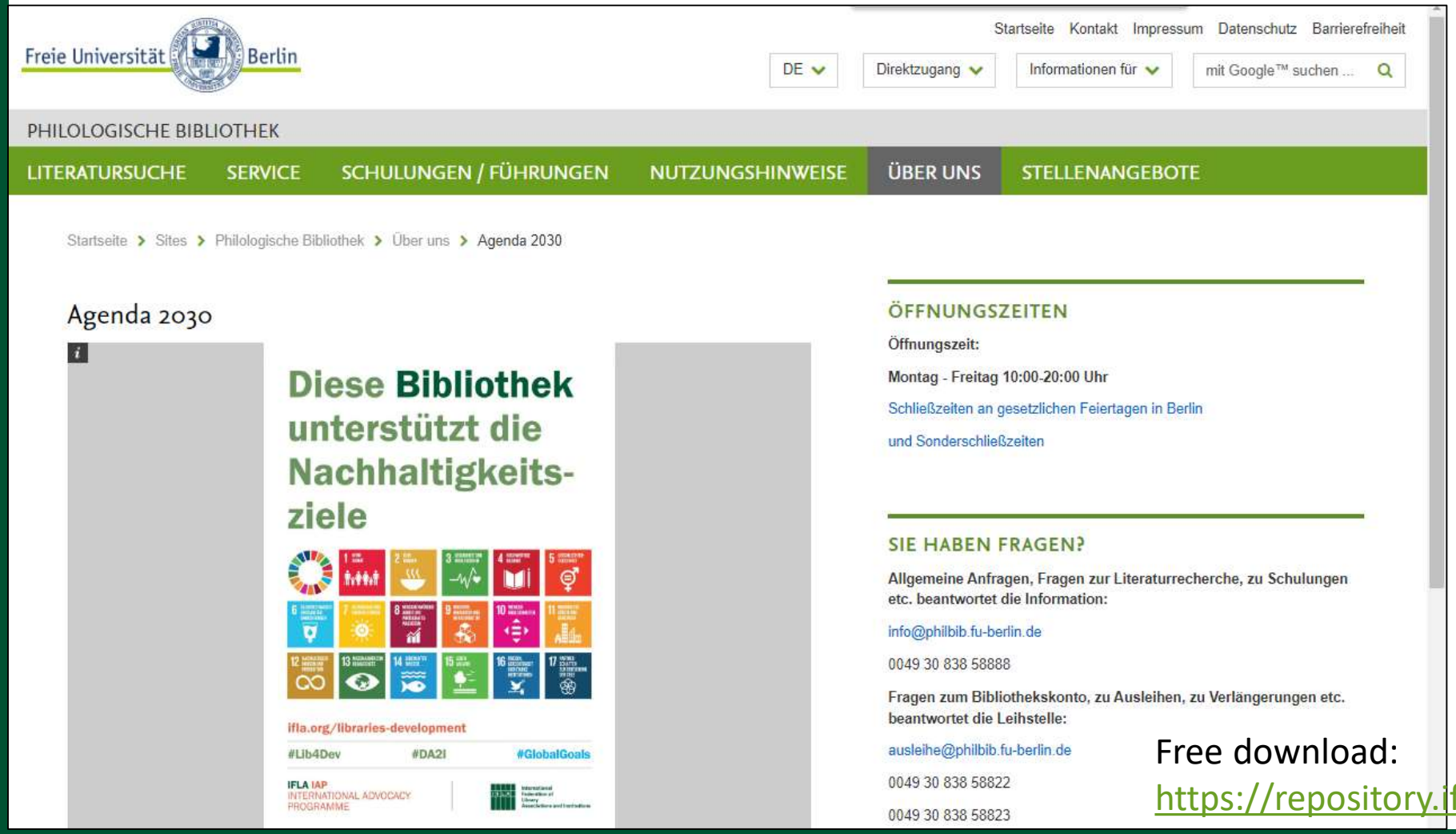
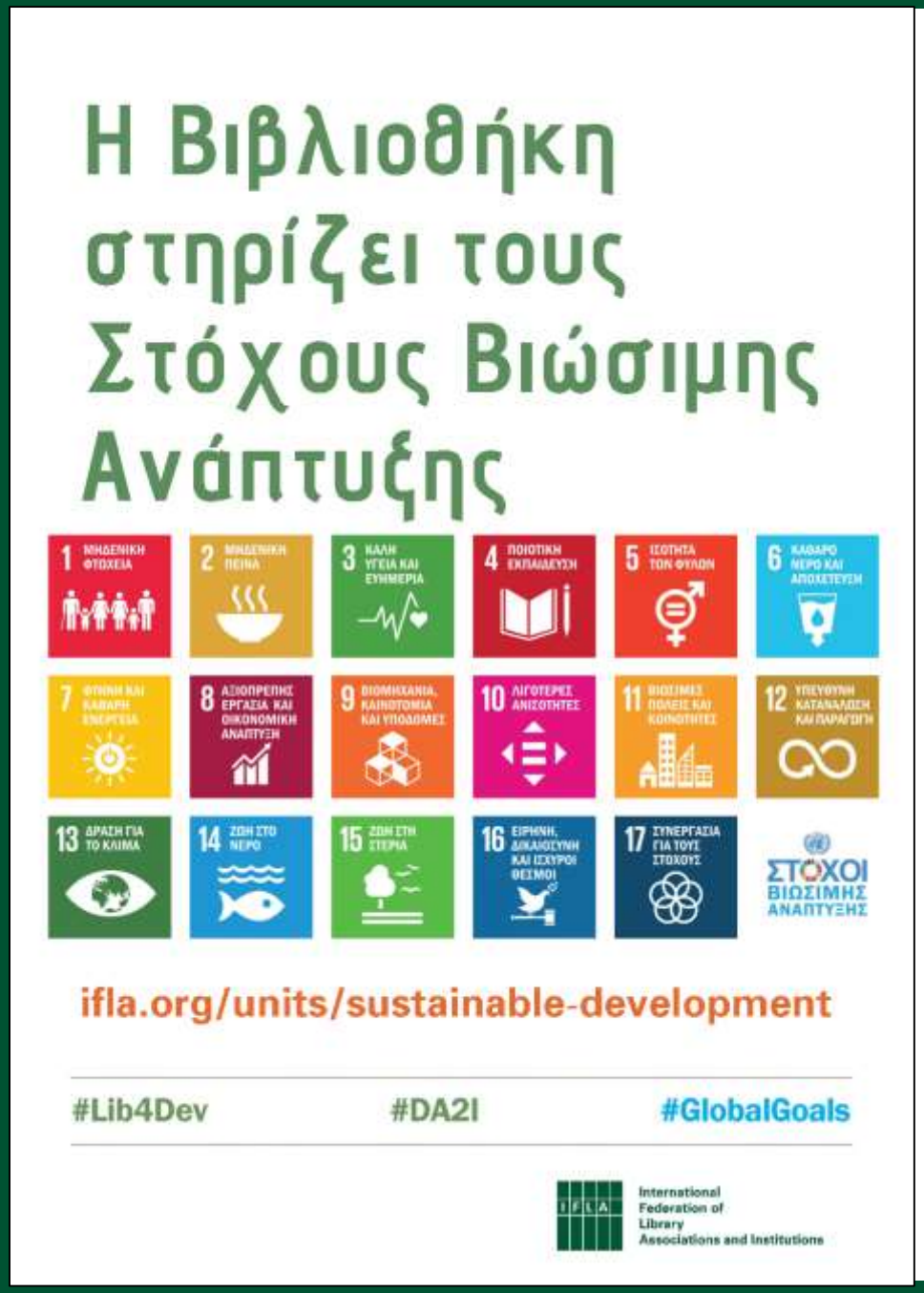
Commitment to general environmental goals and programmes



- Clear commitment
- SDGs
- Visibility:
  - Website
  - Entrance

Free download:
https://repository.ifla.org/handle/123456789/670



Let's go green – outside the library box!

- Look for strong partnerships outside the library community!
- Invite politicians to your Green Library events!
- Invite local and regional press representatives to your Green Library events!
- Invite local and regional broadcast representatives to your Green Library events!
- Write and publish inspiring articles for the local and regional press!
- Present your Green Library prominently at local and regional cultural events!
- Support actively your politicians to popularize the SDGs!
- Establish your Green Library as an excellent event location!

Thank you!

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https://www.ifla.org/publications/sustainability-is-libraries-business-libraries-and-sustainable-development