

Annual Report 2023

**Faculty of Forestry and Wood Sciences
Czech University of Life Sciences in Prague**



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Czech University of Life Sciences in Prague
Annual Report 2023

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Introduction

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1 Dean's introductory words



In 2023, activities of the Faculty of Forestry and Wood Sciences (FLD) were focused on fulfilling the strategic plan for the development of the Faculty for 2021+ as essential material for the Faculty conceptual development. I can happily state that every year we manage to achieve the set goals thanks to the active and high-quality work of lecturers, researchers, PhD students, and technical staff. This annual report proves it; and for that, my thanks go to all the FLD employees.

In educational activities, great emphasis was placed on constant modernization of the educational environment, cooperation with practice, and practical exercises in the field. Teaching was complemented by lectures given by experts from abroad and by other events that include discussions with experts on various topics. As part of improving the quality of educational activities, we support students on a long-term basis through an extensive scholarship programme, which includes a scholarship for first years, a merit scholarship, a scholarship for young researchers who are involved in work in the departments beyond the scope of their study duties, the Dean's awards for excellent results in study or for high-quality of bachelor's and diploma theses. This support bears fruit in the form of increasing quality of study results and students' theses.

In 2023, the Faculty was also active in the implementation of summer schools. An excursion to various institutions and companies in Austria and Slovenia focused on research and production in the field of wood and construction was prepared for students of wood science study programmes. A summer school called the International Course of Forest Ecology Management and Conservation, organized by the North

Arizona University, was held for students of forestry study programmes. For students from foreign universities, specifically from Romania (Transylvania University of Braşov) and Poland (University of Life Sciences Poznan), we have prepared a summer school called Modern Techniques and Approaches in Changing Forestry as part of the Blended Intensive Programme at our Faculty.

In the science and research area, the Faculty's long-term priority is to increase the share of quality outputs in the form of scientific publications in the Nature Index category, in journals of the first decile, first two quartiles, and outputs applicable in practice. We are managing to fulfil this strategy, also via the supporting programmes for excellent science, motivation of employees and PhD students, high-quality application outputs, popularization of science, and transfer of scientific results to teaching. In the annual report for 2022, I said that a high number of publications in journals with an impact factor was achieved, but also a high proportion of publications in the first and second quartile. From this point of view, 2023 was even more positive; the Faculty achieved the highest number of publications registered on the Web of Science in history – 269. The growing share of publications where the first author is from our Faculty, or where the Faculty has more than half the number of authors in the team of authors is also positive.

Project activity in 2023 was also positive; a total of 55 research or educational projects

were implemented at the Faculty, of which 17 were international. To ensure sustainability in the field of projects, a total of 18 project applications were submitted last year, mostly to the Horizon Europe and Interreg ERASMUS programmes, and 73 applications to national grant competitions, especially NAZV, TA CR, and GA CR.

With the completion and reconstruction of the so-called old FLD building, a high-quality and friendly office and teaching environment has been created. We also continued in the tradition of our social activities and organized FLD Family Day, the Christmas concert, and publishing the Faculty newsletter. In 2023, we organized or co-organized a large number of events at which we promoted our studies, science, research, and other activities that the Faculty is engaged in. We also participate in the organization and co-organization of international scientific meetings and conferences.

prof. Ing. Róbert Marušák, PhD.

dean





High tech pavilion

FAKULTA LESNICKÁ A DŘEVNÁ

Basic FLD data

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2 Basic FLD data

Full name and address of the Faculty

Full name

Faculty of Forestry and Wood Sciences
Czech University of Life Sciences in Prague

Faculty address

Czech University of Life Sciences in Prague
Faculty of Forestry and Wood Sciences
Kamýcká 129
165 00 Praha – Suchdol

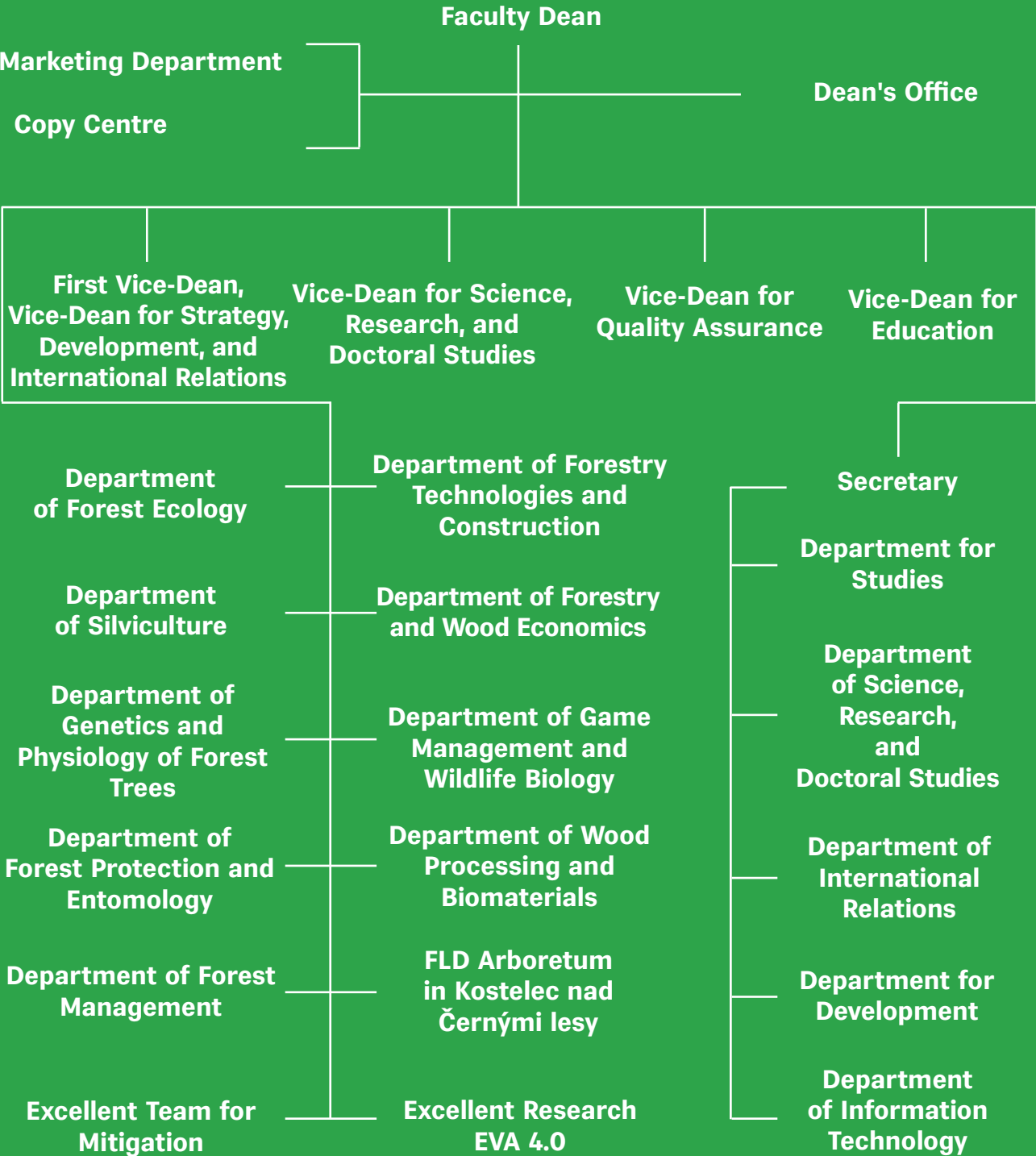
English translation of the Faculty name

Faculty of Forestry and Wood Sciences
Czech University of Life Sciences Prague

Commonly used abbreviations

FLD ČZU
FLD
FLD CZU (in English)
FLD (in English)

Organization chart and structure of FLD



Composition of the Academic Senate, the Scientific Board and the FLD Management

FLD Academic Senate

Academic staff

doc. Ing. Oto Nakládal, Ph.D.,
Chairman

doc. Ing. Lukáš Bílek, Ph.D.

Ing. Ondřej Dvořák

Ing. Miloš Ježek, Ph.D.

Ing. Radim Löwe, Ph.D., **till 30/11/2023**

Ing. Roman Modlinger, Ph.D., **since
1/12/2023**

Ing. Bc. Petra Palátová, Ph.D.

doc. Ing. Vítězslava Pešková, Ph.D.

doc. Ing. Peter Surový, PhD.

Students

Bc. Benjamín Petržela

Ing. Tereza Hüttnerová

Bc. Samuel Gavaľa

Bc. Josef Michna

FLD Scientific Board

Internal members – FLD employees

prof. Ing. Róbert Marušák, PhD.,
Chairman

prof. Ing. Jaroslav Červený, CSc.

doc. Ing. Miroslav Hájek, Ph.D.,
till 15/12/2023

doc. Ing. Vlastimil Hart, Ph.D.,
till 15/12/2023

prof. RNDr. Tomáš Hlásný, PhD.

prof. Ing. Jaroslav Holuša, Ph.D.

doc. Ing. Tomáš Kušta, Ph.D.

prof. Ing. Milan Lstibůrek, MSc., Ph.D.

doc. Ing. Vítězslava Pešková, Ph.D.

prof. Ing. Vilém Podrázský, CSc.

prof. Ing. Jiří Remeš, Ph.D.

doc. Ing. Monika Kvietková Sarvašová, PhD.

doc. Ing. Peter Surový, PhD.

prof. Ing. Miroslav Svoboda, Ph.D.

prof. Ing. Luděk Šišák, CSc., **till 15/12/2023**

prof. Ing. Marek Turčáni, PhD.,
till 15/12/2023

doc. Ing. Roman Dudík, Ph.D.,
since 16/12/2023

doc. Ing. Martin Jankovský, Ph.D.,
since 16/12/2023

prof. Ing. Vilém Jarský, Ph.D.,
since 16/12/2023

doc. Ing. Miroslav Gašparík, PhD.,
since 16/12/2023

Internal members – other CZU faculties and workplaces

prof. Ing. Josef Hakl, Ph.D.

prof. Ing. Martin Hanel, Ph.D.

Ing. Roman Kvasnička, Ph.D.

prof. Ing. Bohdan Lojka, Ph.D.

doc. Ing. Jiří Mašek, Ph.D., **till 15/12/2023**

doc. Ing. Zdeněk Aleš, Ph.D., **since 16/12/2023**

External members:

prof. Ing. Marek Fabrika, Ph.D.

prof. Dr. Ing. Libor Jankovský, CSc.

prof. RNDr. František Kačík, Ph.D.,

till 15/12/2023

Ing. Petr Král, till 15/12/2023

Ing. Tomáš Krejzar, Ph.D.

prof. RNDr. Ing. Michal V. Marek, DrSc.,

dr. h. c., till 15/12/2023

Ing. Tomáš Pařík, till 15/12/2023

Ing. Pavel Rus, till 15/12/2023

Ing. Lenka Trandová, till 15/12/2023

doc. Ing. Petr Zahradník, CSc., till 15/12/2023

Ing. Milan Zerzán, till 15/12/2023

Ing. Robin Ambrož, Ph.D., since 16/12/2023

Ing. Arnošt Buček, since 16/12/2023

Ing. Jaroslav Kubišta, Ph.D., since 16/12/2023

Ing. Tomáš Lukeš, since 16/12/2023

Ing. Petr Ptáček, Ph.D., since 16/12/2023

Ing. Dalibor Šafařík, Ph.D., since 16/12/2023

doc. Ing. Vít Šrámek, Ph.D., since 16/12/2023

doc. Ing. David Veselý, Ph.D.,

since 16/12/2023

Management of the Faculty of Forestry and Wood Sciences

Dean

prof. Ing. Róbert Marušák, PhD.

Vice-Deans

Ing. Radek Rinn,

First Vice-Dean, Vice-Dean for Strategy, Development, and International Relations

Ing. Jan Kašpar, Ph.D.,

Vice-Dean for Quality Assurance,
till 14/12/2023

doc. Ing. Tomáš Kušta, Ph.D.,

Vice-Dean for Science, Research, and Doctoral Studies

Ing. et. Ing. Markéta Kalábová, Ph.D.,

Vice-Dean for Education

Ing. Radim Löwe, Ph.D., Vice-Dean for External Relations, since 15/12/2023

Secretary

Ing. Martin Prajer, Ph.D.





Educational activities

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3 Educational activities

Educational activities are one of the main pillars of the Faculty of Forestry and Wood Sciences. Great emphasis is placed on constant modernization of the study environment, the link to cooperation with practice, and practical training in the field. The teaching is also supplemented every year with lectures by experts from abroad and other events connected with discussions with experts on various topics.

Admission exams took place at the beginning of June 2023 according to plan. Interviews in Czech for Czech-taught study programmes for foreigners and interviews in English for English-taught study programmes took place only in person.

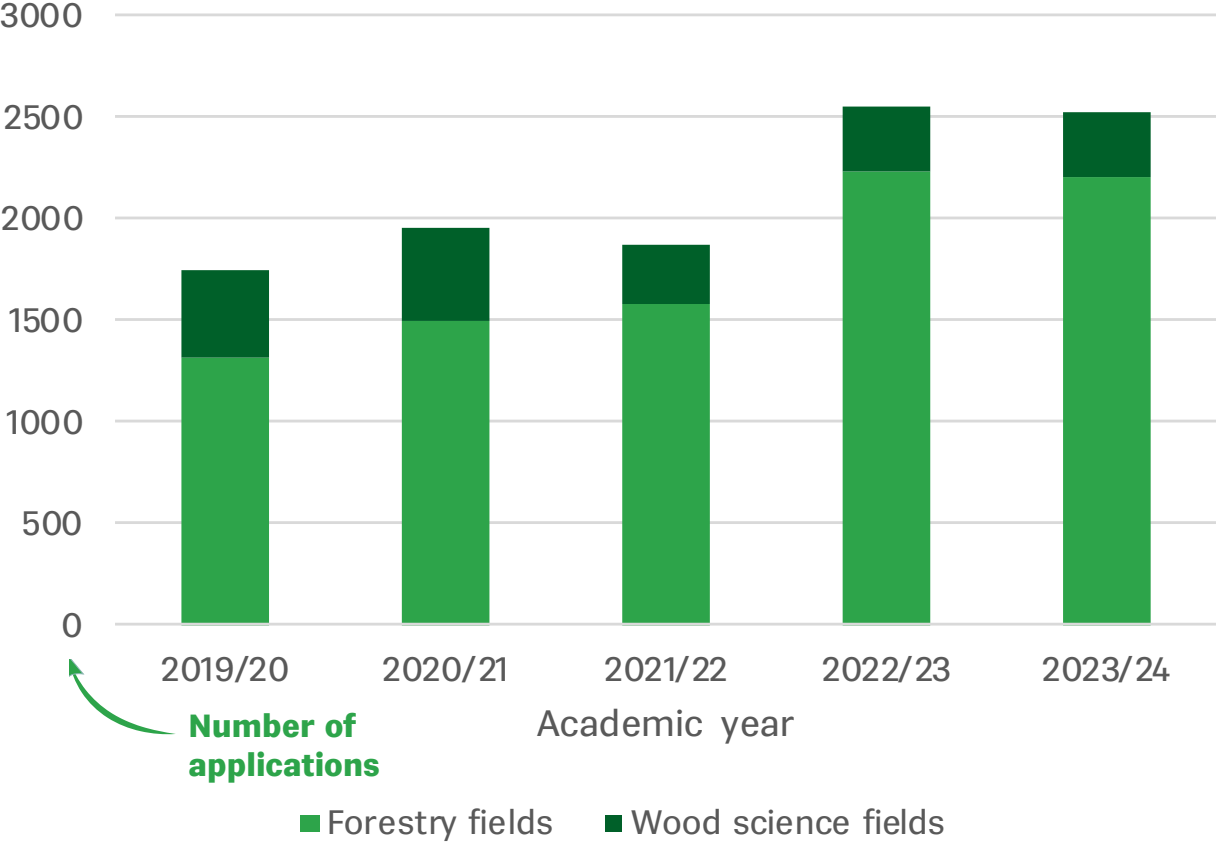
A total of 2,491 applications were submitted in the two application stages, with the predominance of interest in forestry study programmes. 25% were applications from abroad. 41% of applications were submitted by women, 59% by men. Based on the admission conditions, 1863 students were accepted into the study, of which 1060 were subsequently enrolled in the study.

Number of male and female students of bachelor's and master's studies in 2023

Female students make up 37% of the total number of students at the Faculty. The share is similar for both full-time and part-time forms of study. The highest share of female students in the total number of students has long been recorded for the study programme Conservation of Natural Objects and Taxidermy (70%). The number of female students also increases from year to year in the Game Management and Wildlife Conservation programme (47%). The lowest number of female students is recorded in the Wood Technology study programme (12%).



Development of the number of applications to study at FLD over the last 5 years



As of 31 October 2023, a total of 1,896 students were studying at FLD, of which 1,407 were in bachelor's and 489 in master's degree fields of study and programmes. The state final exams took place at the turn of May and June. A total of 308 students successfully completed their studies, of which 185 in bachelor's and 123 in master's degree programmes. The employability of FLD graduates on the labour market is almost 100%.

STUDY PROGRAMMES OFFERED IN 2023

The aim of the Faculty of Forestry and Wood Sciences is to educate personalities with independent critical thinking. The intention is for graduates to be able to use the scientific research knowledge of the Faculty, which they will subsequently apply in practice.



f = full-time form of study
c = combined form of study
Cz = in Czech
En = in English

BACHELOR'S DEGREE PROGRAMMES

FORESTRY • specialized in **Forest Ecosystems Protection and Silviculture** (Cz, f/c)

FORESTRY • specialized in **Economics and Management of Forestry** (Cz, f/c)

WOOD SCIENCES

• specialized in **Business in Woodworking and Furniture Industry** (Cz, f/c)

WOOD SCIENCES

• specialized in **Wood Processing** (Cz, f)

GAME MANAGEMENT AND WILDLIFE CONSERVATION (Cz, f/c)

CONSERVATION OF NATURAL OBJECTS AND TAXIDERMY (Cz, f)

SYSTEM ARBORISTICS (Cz, f)

FORESTRY • specialized in **Forest Ecosystems Protection and Silviculture** (En, f)



MASTER'S DEGREE PROGRAMMES

FOREST ENGINEERING (Cz, f/c)

WOOD ENGINEERING (Cz, f/c)

**TIMBER CONSTRUCTIONS AND STRUCTURES BASED ON
WOOD (Cz, f)**

FORESTRY, WATER AND LANDSCAPE MANAGEMENT (En, f)

DOCTORAL STUDY PROGRAMMES

**APPLIED GEOINFORMATICS AND REMOTE IN
FORESTRY (Cz/En, f/c)**

**FIRE PROTECTION OF FOREST, TIMBER, AND WOOD-
BASED MATERIALS (Cz/En, f/c)**

FOREST BIOLOGY (Cz/En, f/c)

**ECONOMICS AND MANAGEMENT OF FORESTRY AND
WOOD INDUSTRY (Cz/En, f/c)**

FOREST MANAGEMENT (Cz/En, f/c)

**FOREST PROTECTION AND GAME MANAGEMENT
(Cz/En, f/c)**

SILVICULTURE (Cz/En, f/c)

**WOOD PROCESSING AND FORESTRY MACHINERY
(Cz/En, f/c)**

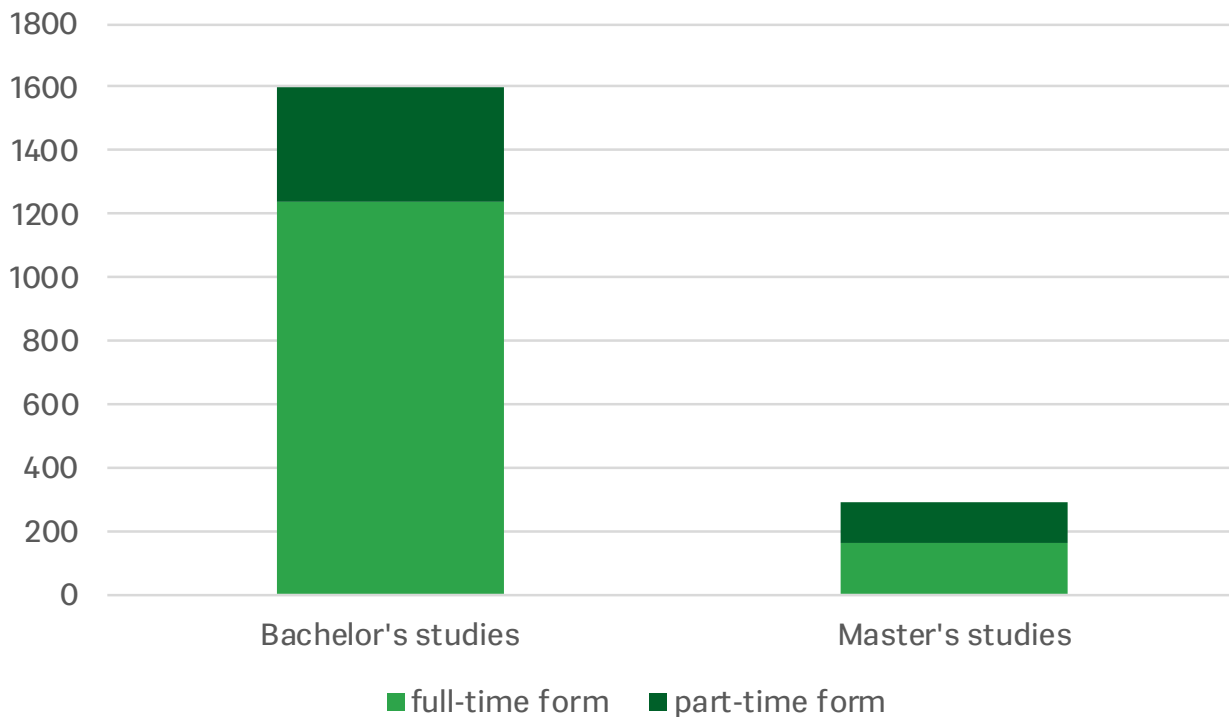
GLOBAL CHANGE FORESTRY (En, f/c)

Form of study

FLD makes it possible to study in full-time and part-time form, where a greater share of self-study is assumed. In 2023, FLD offered 11 full-time study programmes and 5 study programmes in part-time form as

part of bachelor's and master's studies. The graph below shows the strong interest in the part-time form. The share of part-time study students out of the total number in 2023 was 36% of students.

Number of students in full-time and part-time form of bachelor's and master's studies as of 31 October 2023

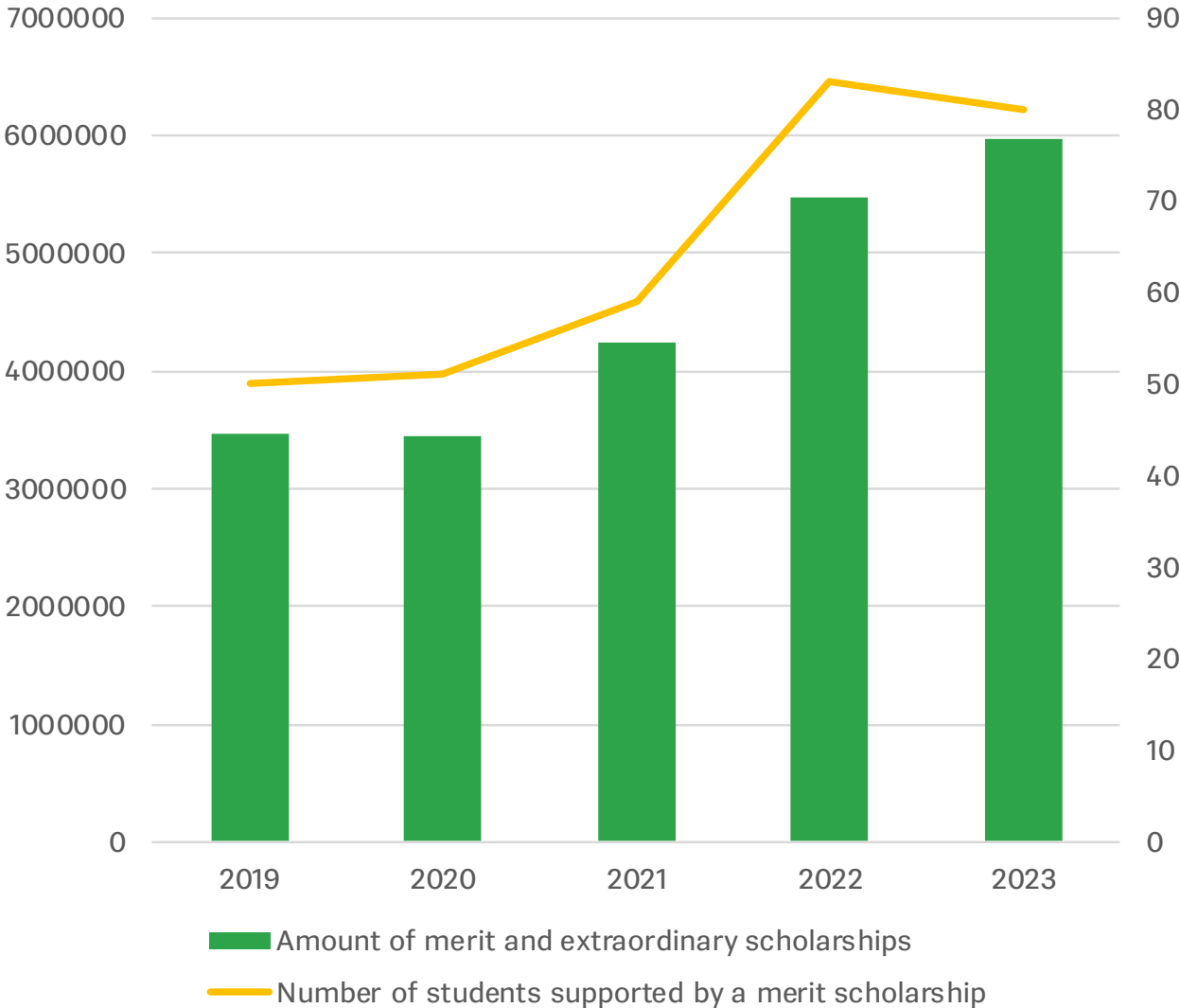


Scholarship programmes

FLD supports students through an extensive scholarship programme. This type of support includes: scholarships for first years, merit scholarships, scholarships for young researchers who participate in the work of

departments beyond the scope of their study duties, Dean's Awards for excellent results in study or for quality elaboration of bachelor's and master's theses, accommodation, sports, and social scholarship.

Development of merit and extraordinary scholarships at FLD in 2019–2023







**Quality of educational and
creative activities**

4

4 Quality of educational and creative activities

Accreditation and quality of study programmes

In 2023, the Forest Science in Global Change master's study programme, taught in English, was successfully accredited. This study programme is designed as a two-year master's degree, and other top universities and faculties in Europe participate in its implementation. Among other things, SP includes the so-called Mobility Window, i.e. a period of one semester, which the student must spend at one pre-selected university, with whom a memorandum of cooperation has been concluded for this purpose. Through this study, students will not only gain international experience, but will also deepen their professional focus, which they choose as part of their studies at a given university.

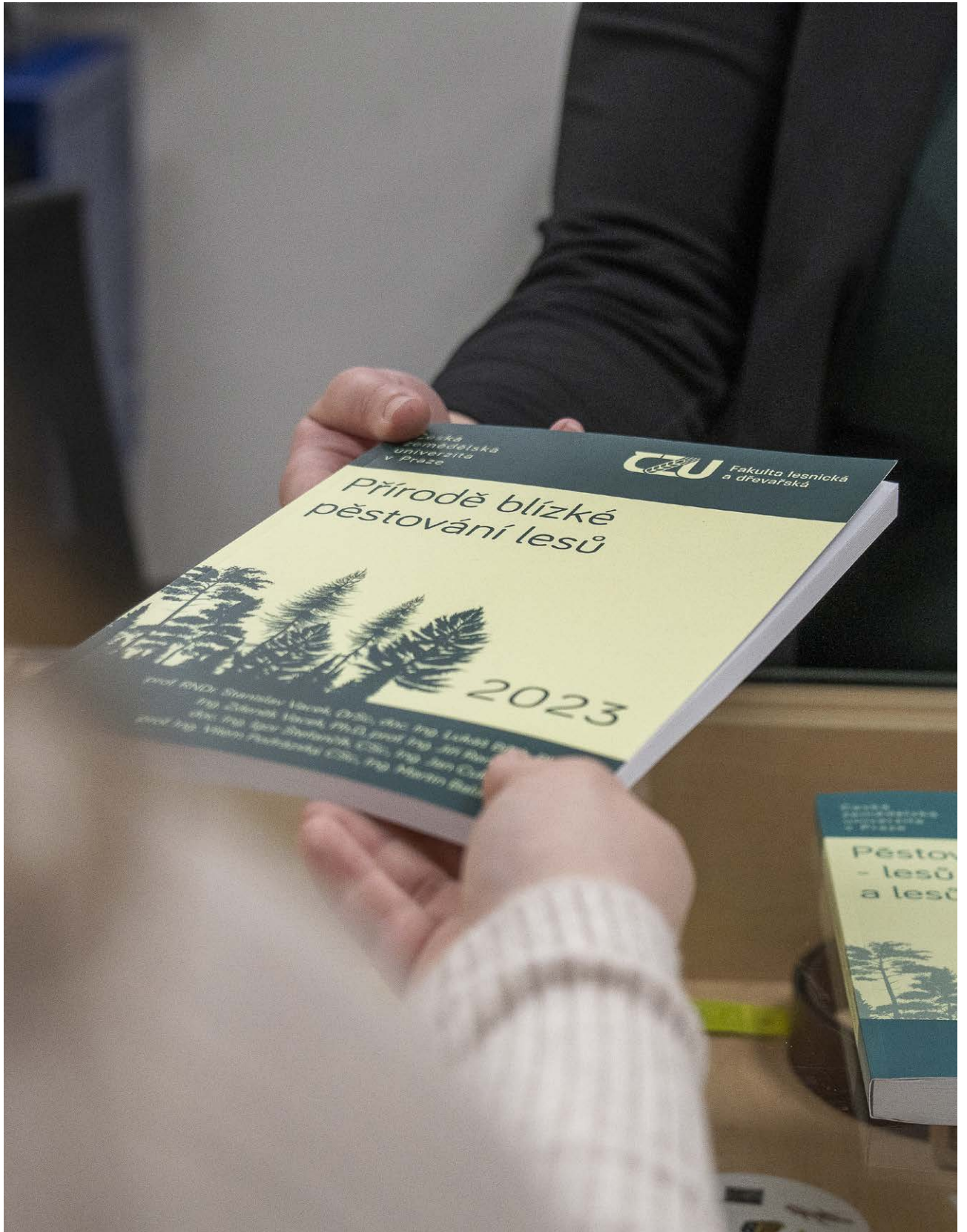
Lifelong learning

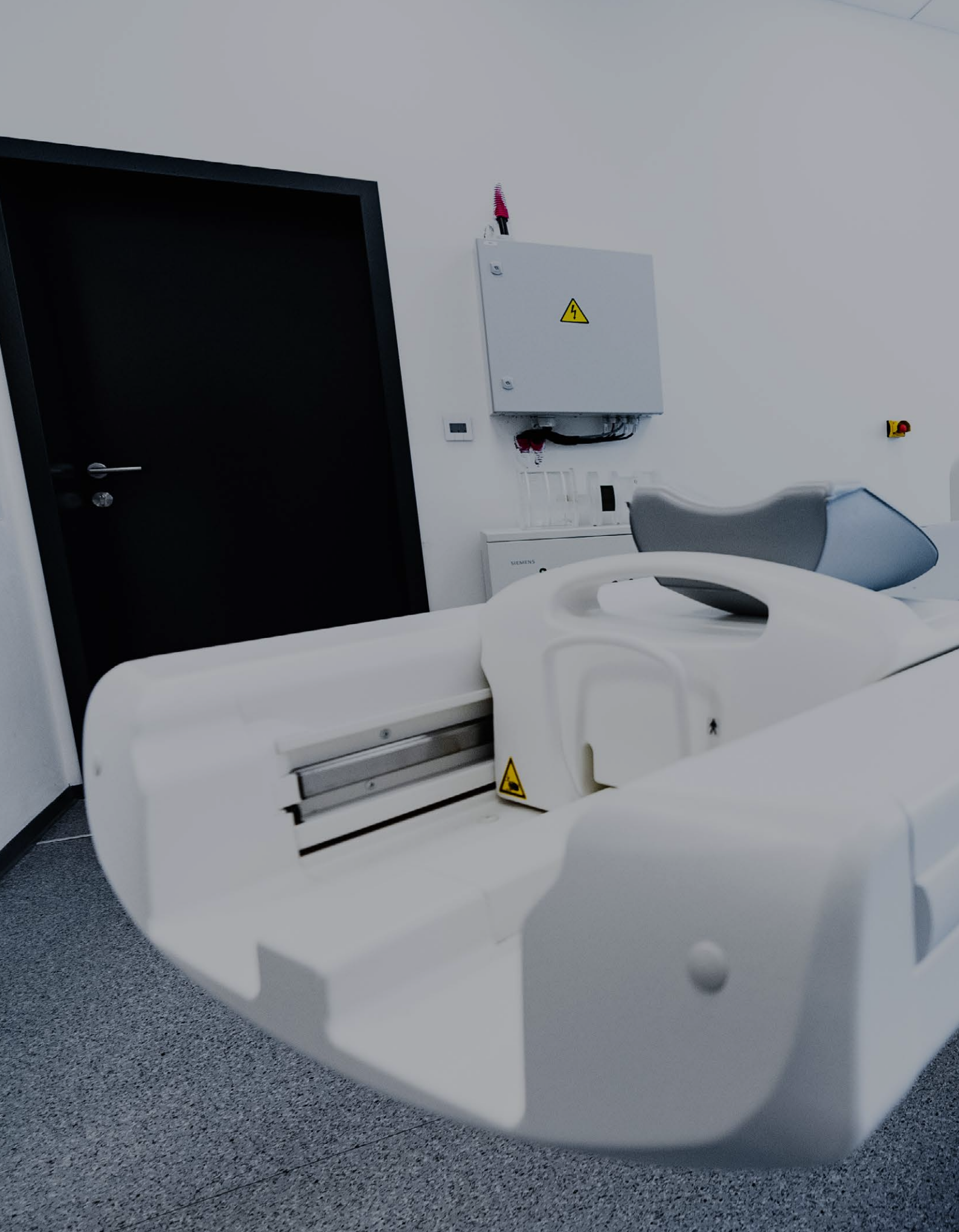
2023 saw the continuation of all aspects of lifelong learning, which FLD has been developing for a long time. The ongoing lectures by academic staff for the University of the Third Age (U3V) continued to be very popular with students. Also, the forestry-focused MBA study programme continued in cooperation with Prague International

Business School. The last form of FLD lifelong learning are professional courses for forestry and wood industry workers with the aim of increasing their qualifications.

Publishing activities

Publishing activities at the Faculty of Forestry and Wood Sciences focus on the publication of specialist publications, textbooks and scientific monographs that reflect current research and innovations in the field of forestry, wood technology and related ecological and environmental sciences. The Faculty collaborates with renowned authors and practitioners to ensure high quality and up-to-date published materials. The publications are intended both for students and the academic community, as well as for the professional public, and often serve as a basis for educational and research activities at the national and international level.



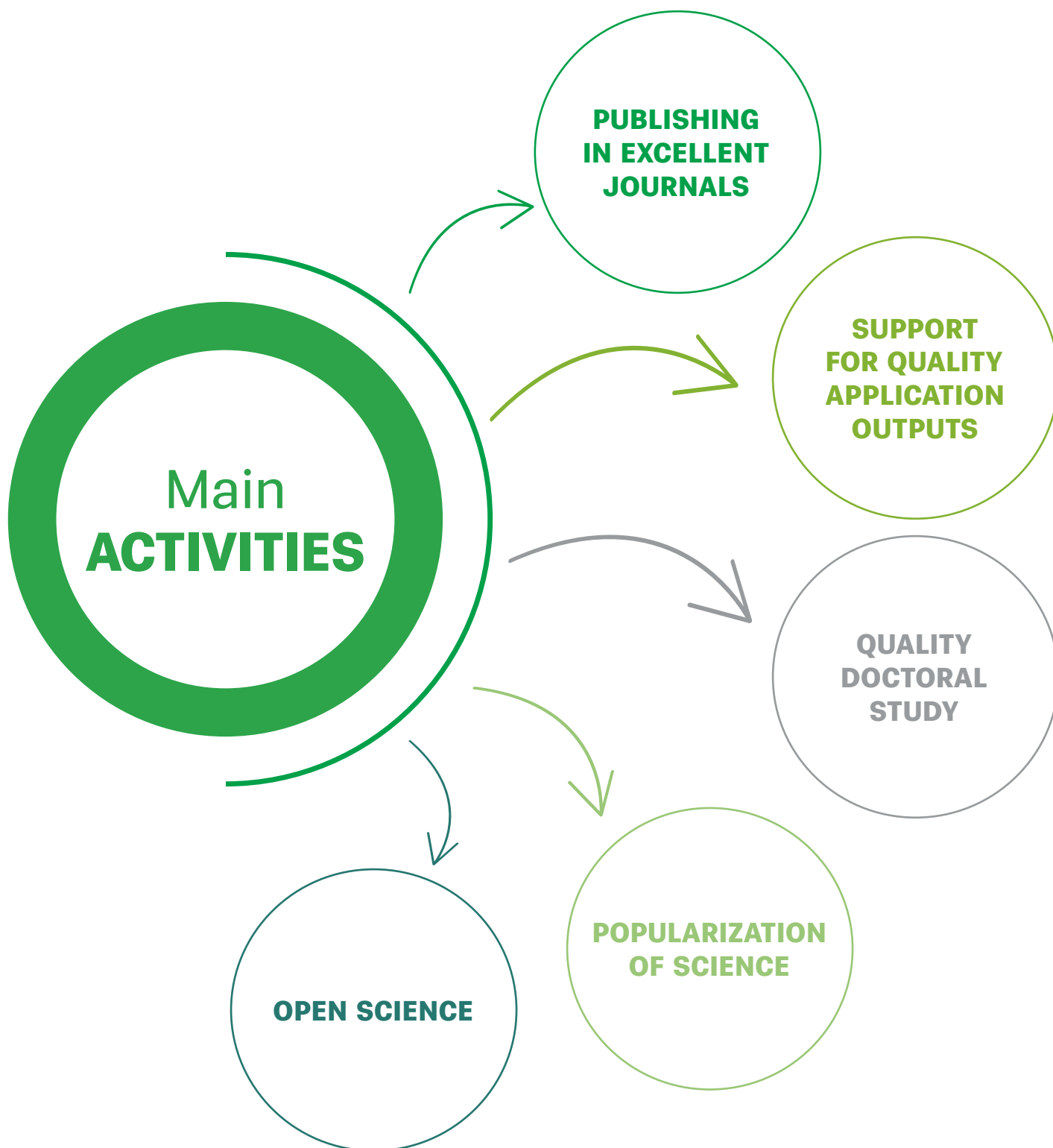




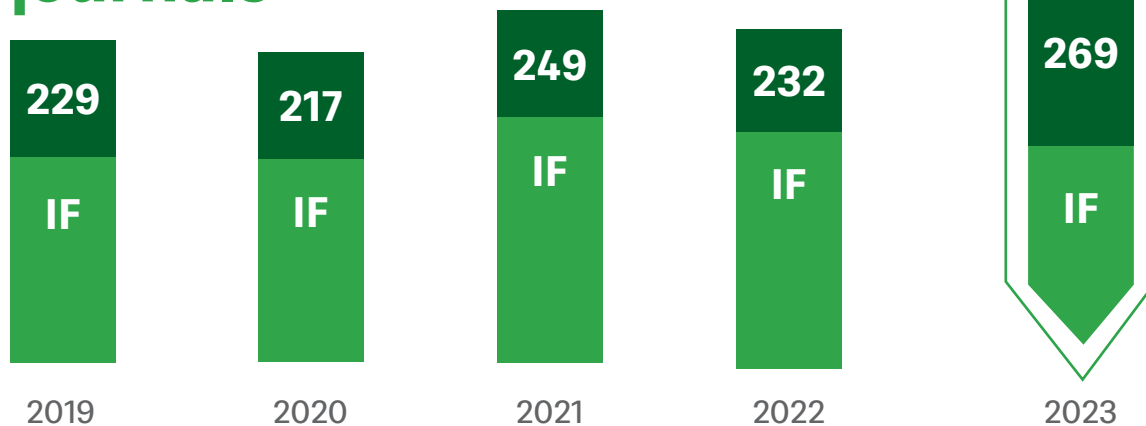
Science and research

5

5 Science and research

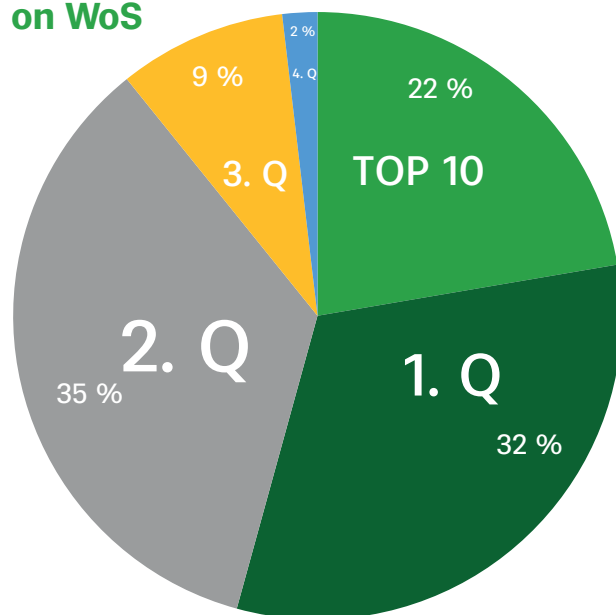


Publishing in excellent journals



Development of the number of articles on WoS

Results according to AIS - quartiles
more than 90% in Q1 and Q2 on WoS



Information about outputs on WoS



Articles in Nature Index

Microclimate reveals the true thermal niche of forest plant species

Kopecký, Martin
(journal: **Ecology Letters**)

Historical plant introductions predict current insect invasions

Liebhold, Andrew M
(journal: **Proceedings of the National Academy of Sciences of the United States of America**)

Accelerometer-based detection of African swine fever infection in wild boar

Morelle, Kevin
(journal: **Proceedings of the Royal Society B**)

Climate-trait relationships exhibit strong habitat specificity in plant communities across Europe

Sabatini, Francesco Maria
(journal: **Nature Communications**)

Behavioral responses of terrestrial mammals to COVID-19 lockdowns

Ježek Miloš; Šilovský Václav
(journal: **Science**)

A salivary GMC oxidoreductase of *Manduca sexta* re-arranges the green leaf volatile profile of its host plant

Grosse-Wilde, Ewald
(journal: **Nature Communications**)

Protect old-growth forests in Europe now

Mikoláš Martin; Gloor Rhiannon; Hofmeister Jan; Svoboda Miroslav
(journal: **Science**)

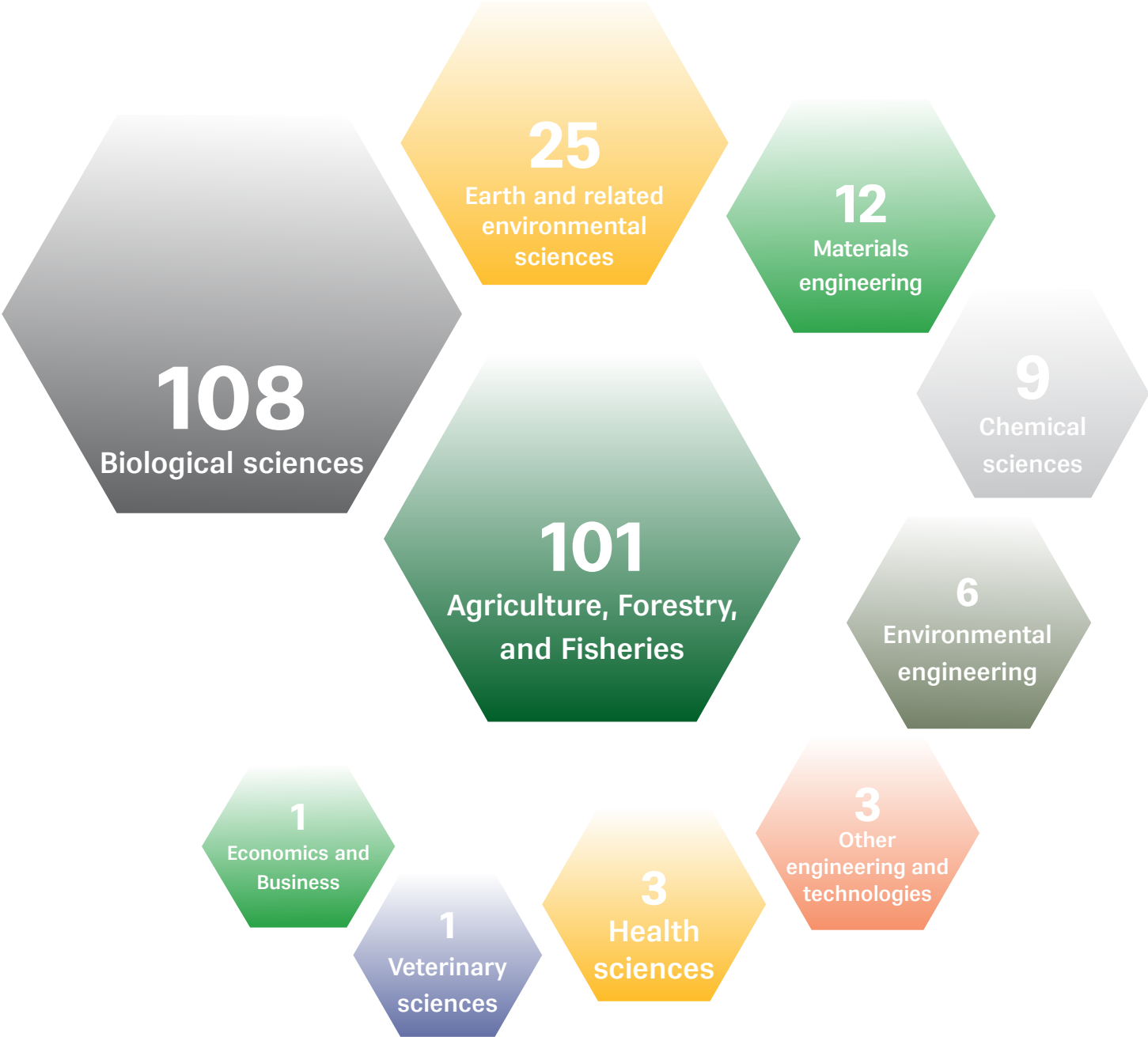
Native diversity buffers against severity of non-native tree invasions

Svoboda Miroslav
(journal: **Nature**)

Integrated global assessment of the natural forest carbon potential

Svoboda Miroslav
(journal: **Nature**)

Number of articles in WoS according to the FORD classification



Open science

- Support for publishing outputs in "Open access".
- Consultancy provided in "Open Access" for employees and PhD students.

Support for high-quality application outputs

A total of 54 application outputs

2 professional monographs

4 chapters in a book

12 articles in an anthology

4 patents

2 utility model, industrial design

6 prototypes, functional samples

1 proven technology

16 summary research reports

5 audio-visual items

1 certified methodology

1 software

Popularization of science

- Active management of the section "Popularization of science" for the general public on the Faculty website.
- Newsletter for Practice was published as a supplement to the "Lesnická práce" magazine.
- The Faculty's outputs were presented in the media and at professional seminars.
- "Wood Science Day" was organized.
- Involvement in scientific popularization events "Night of Scientists", "VědaFest", "Science Fair", and "Země živitelka".



Quality doctoral studies



Doctoral studies (as of 31 December 2023)

- 22** students enrolled in the study for academic year 2023/24
- 86** full-time students
- 12** students in part-time form
- 52** foreign students
- 16** successfully defended dissertation theses

Full-time form



48

38



Combined form



9

3



Publishing activities of PhD students

- 76** publications with IF
- 58** publications where the PhD student is in first place in the team of authors
- 47** publications by PhD students which were created in cooperation with a foreign institution

Support from Internal Grant Agency projects:

- 56** projects supported.
- Funded projects totalling **8** million CZK







Internationalization

6

6 Internationalization

The field of internationalization saw an increase in activity and interest in 2023. This interest was manifested to a large extent in the number of foreign work trips, which took place in total of 417. Given that most of these trips were paid for from project resources, this also indicates an increase in project activities with an overlap abroad. In addition to work trips, the amount of international mobility also increased at FLD.

Employee mobility:

Employee mobility was also used more than in previous years. There were 42 trips (10 STA, 32 STT). A total of 26 visits were made, of which 7 were STA and 19 STT. Other mobility was implemented within the CEEPUS programme (1 employee visit, 4 students and 7 employees visited). Some visits were supported by FLD resources from with the aim of establishing future scientific cooperation.

Student mobility:

During 2023, a total of 39 bachelor, 38 master and 41 PhD students went abroad to study – a total of 118 students. Together, they spent 129 months and 21 days abroad. A total of 59 of these students were supported from the resources of the Erasmus+ programme, the others from other sources (e.g. FLD budget). A total of 58 students came to study at FLD in 2023 (for a total of 164 months and 23 days),

22 of them were supported by Erasmus+ resources.

In 2023, the Faculty was also active in the preparation of summer schools. At the turn of February and March, 32 students of wood science study programmes visited various institutions and companies in Austria and Slovenia focused on research and production in the field of wood and construction. The programme included lectures, excursions and fieldwork, where students gained deeper understanding of wooden structures and their practical use. Among the places visited were research institutes, the Mondi paper mill in Štětí, wooden bridges, the Pyramidenkogel observation tower, universities (Technical University Graz, University of Ljubljana), and production plants specialized in wood. The main goal was to familiarize students with the woodworking industry in Austria and Slovenia. In this way, students expanded their theoretical knowledge with

practical experience from companies and research workplaces.

In the spring, a summer school called Modern Techniques and Approaches in Changing Forestry took place. A total of 16 foreign students from Romania (Transylvania University of Braşov) and Poland (University of Life Sciences Poznan) took part in it. The aim was to introduce Central European forestry, which included excursions to various CZU workplaces, e.g. Kostelec nad Černými lesy (forestry activities and tours of forestry operations), an arborist workshop, and a tour of the town of Kutná Hora. This summer school was part of the so-called BIP, i.e. Blended Intensive Programme, financed by the Erasmus+ programme.

In June, a summer school took place for students of FLD forestry study programmes called International Course of Forest Ecology Management and Conservation. The event was hosted by North Arizona University and was attended by a total of 10 FLD students. The main goal was to give students comprehensive knowledge and skills needed for sustainable management of forest ecosystems and biodiversity protection. As part of the summer school, students also took trips to some well-known tourist places in the USA.

In addition to common activities such as mobility and summer schools, FLD worked to actively participate in project activities and develop our participation

in international networks. We supported strategic cooperation with EFI and we are proud of the membership of prof. Ing. Róbert Marušák, PhD. in the EFI Board from May 2023. In the autumn of the same year, Ing. Radek Rinn, Ph.D. was elected to the position of chair of the FOREXT group, which, we believe, will support mutual cooperation. In 2023, we worked intensively with FAO and jointly organized two workshops on the topic of communication and sustainable management. We also collaborated with organizations such as IUFRO and Innovawood. We also focused on the developing world, particularly on the Southeast Asia, and this collaboration has been supported by a joint Erasmus+ project and other initiatives with universities in Thailand and Laos.











Faculty development

7

7 Faculty development

In 2023, FLD implemented a total of 55 research or educational projects with an annual budget of almost CZK 140 million, of which the largest financial share was taken by projects from the European Structural and Investment Funds (ESIF), amounting to approximately CZK 61 million; national projects had annual budgets of approximately 55 million CZK available, and international projects 22 million CZK. From the project budgets, more than 8 million CZK went to building infrastructure and purchasing investments, the remaining funds were used for salaries of scientific staff, or for the purchase of consumables and services. Regarding the number of implemented projects, international projects had the largest representation (17), followed by 15 projects from the National Agency for Agricultural Research (NAZV), 9 projects from TA CR, 8 projects from ESIF operational programmes, and 4 from the GA CR programme.



Number of implemented projects in 2023 per programme

ESIF	8
International	17
NAZV	15
TA CR	9
GA CR	4
Other	2
Total	55

Budgets of implemented projects in 2023 per programme

ESIF	60.9 m CZK
International	22.0 m CZK
NAZV	19.0 m CZK
TA CR	20.9 m CZK
GA CR	9.5 m CZK
Other	4.7 m CZK
Total	137.0 m CZK

National projects

In 2023, the Faculty submitted 73 applications to national grant competitions, especially NAZV, TA CR and GA CR. As of the Annual Report closing date, 6 applications were successful. Among other things, the Department of Forestry and Wood Economics managed to obtain a three-year project entitled Impacts of territorial nature conservation on the management

Projects from international competitions

Several important international projects were successfully completed last year, such as the HUNTOUR coordinator project focused on hunting tourism, or the FRAME partnership project dealing with building capacities in Laos and Thailand. Five international projects started: LIFE Adapt Brdy (prof. Marušák) from the LIFE programme, wildE (prof. Svoboda) from the Horizon Europe programme, BIOECO-

of forest owners and the wood-processing sector from the NAZV programme. The project is implemented in cooperation with the Mendel University in Brno and the aim is to fulfil one of the research needs of the Ministry of Agriculture of the Czech Republic, namely the research topic Solving the impacts of territorial nature conservation on the management of forest owners and the wood-processing sector.

UP (doc. Hájek) and Healthy Forest Region (prof. Svoboda), both from the Interreg CENTRAL EUROPE programme, and coordinator COST action DSS4ES (doc. Kašpar). The main objective of this action is to establish a research network to facilitate the conceptualization and development of new methodological approaches in decision support systems, including important forest-landscape relationships.

In total, 18 project applications were submitted, most of them to Horizon Europe (9), Interreg (3), and ERASMUS (2).



Structural funds

In the middle of last year, several important projects financed from the European Structural and Investment Funds, specifically from the Operational Programme Research, Development, Education (OP VVV) ended. These were mainly EXTEMIT-K and EVA 4.0 projects focused on building an excellent team, or the support of the excellent science. In January 2023, a follow-up project ForTRes focused on current threats to Central European forestry was submitted to the call for Top Research of the Operational Programme Jan Amos Komenský (OP JAK), which, in the end, was unfortunately not supported due to limited financial allocation.

In the middle of the year, the implementation of the university-wide PhD Infra project started, where FLD has a budget of CZK 23 million until the end of 2026 for the development of infrastructure and equipment for doctoral study programmes.

Autumn was marked by the preparation of the joint project of FES and FLD for the call for Intersectoral cooperation (OP JAK) entitled Adaptation and innovative solutions to extreme hydroclimatic phenomena. As part of the project, doc. Surový will coordinate a work package aimed at clarifying the description of processes key to agricultural and forestry production.







**FLD Financial and
Personnel Management**

8

8 FLD Financial and Personnel Management

Financial management

In 2023, FLD received a total of 190,505,764 CZK from contributions and subsidies to the budget, as part of a student subsidy, institutional support for the institution's long-term conceptual development, and specific research.

The Faculty as a whole adhered to the planned budget.

The Faculty managed a surplus in its main activity – in the contribution to operating activities to the amount of **24,404,774.47** CZK. As of 31 December 2023, this amount was transferred to the operational resources fund.

	Scholarship fund	Remuneration fund	Investment property development fund	SSP investment property development fund	Operational resources fund	Operational resources fund after tax	Foreign donations
As of 01/01/2023	1 118	94 698	14 493 983	417 163	43 966 042	7 512 811	2 650 432
Fund creation	2 806 743	400 000	17 794 079	6 380	23 904 774	6 013 114	0
Drawing of the fund	2 807 742	467 561	29 938 570	0	38 239 905	1 824 347	0
As of 31/12/2023	119	27 137	2 349 492	423 543	29 230 912	11 701 578	2 650 432

Amount in CZK

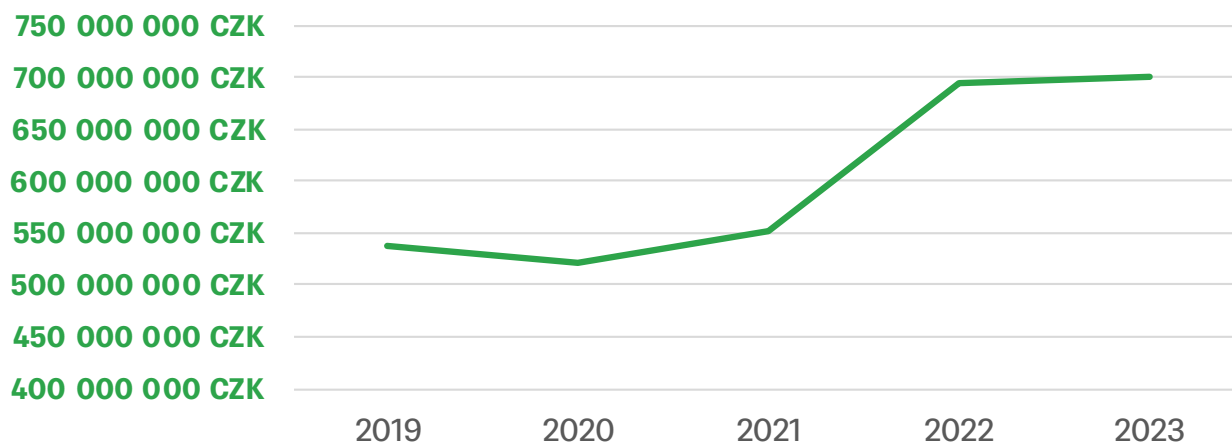


Total financial reserve of the Faculty

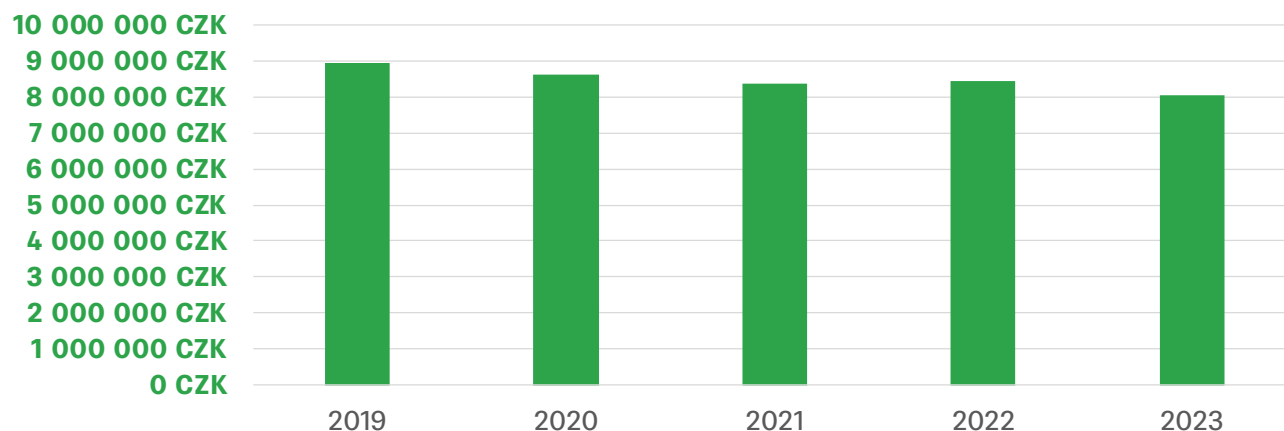
for investment development created from the main activity, as of 31 December 2023, was 46,355,957 CZK (Investment property development fund, Operational resources fund, Operational resources fund after tax, balances of foreign donations).

In 2023, the funds of the Investment Institutional Support in the amount of **5,314,805.79 CZK** were also used for the acquisition of tangible fixed assets and technical improvement of tangible assets.

Development of FLD assets 2019–2023



Development of funds allocated for IGA in 2019–2023



Development of subsidy for specific research and IGA 2019–2023 in CZK

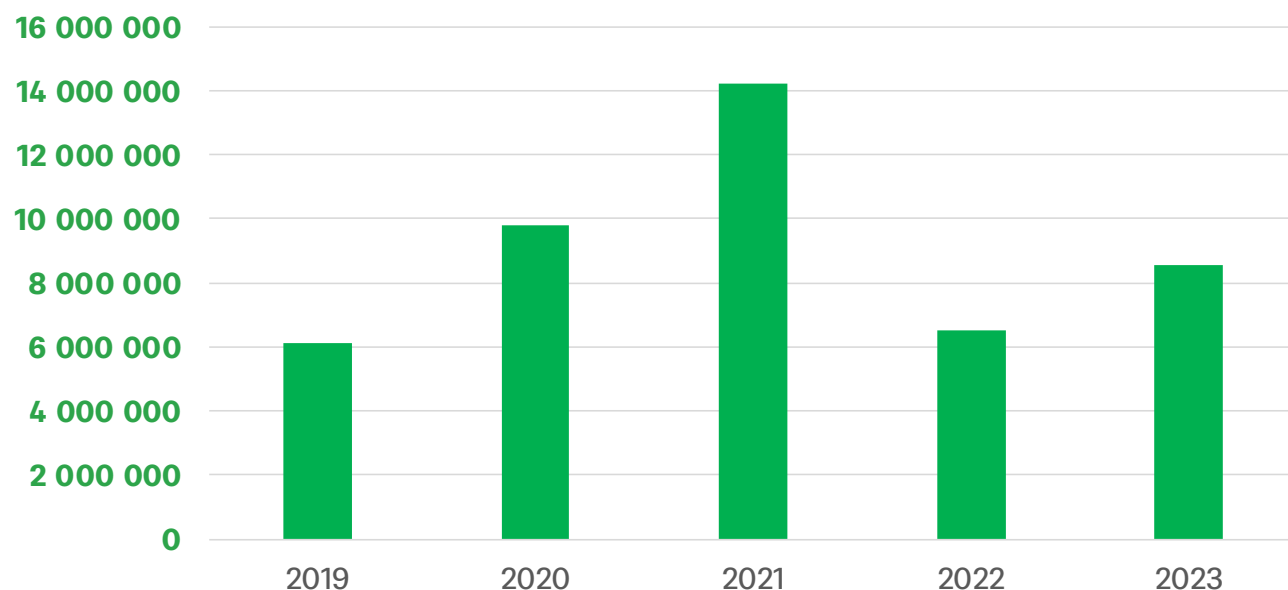
Specific research	2019	2020	2021	2022	2023
Subsidy	10 091 150	9 456 568	9 454 770	9 462 196	9 105 917
IGA	8 943 950	8 625 926	8 367 472	8 450 517	8 035 917

Subsidy for specific research has a long-term downward trend. A subsidy for institutional support for long-term conceptual development (DKR) is also used to finance student scientific activities.

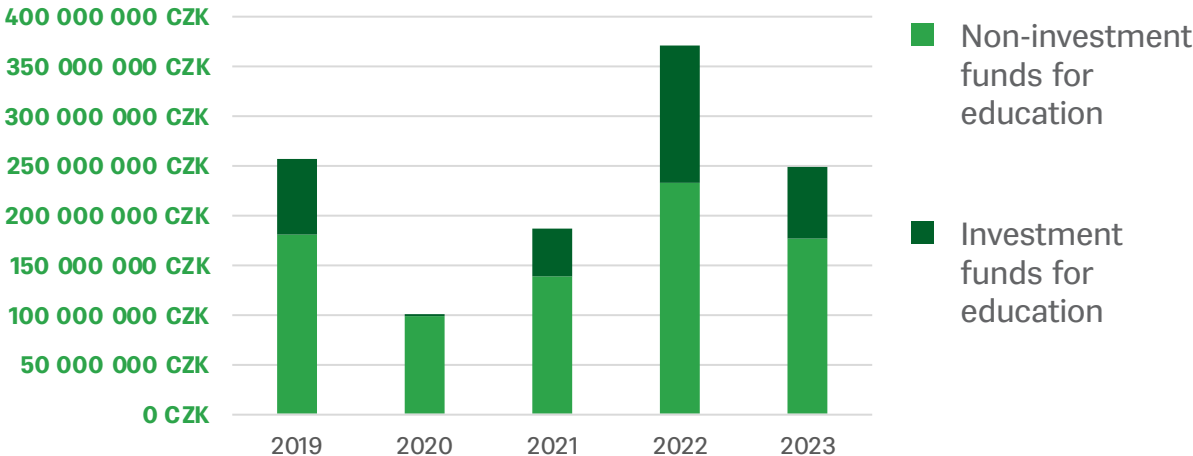
Development of revenues from contract research and ancillary activities (AA) 2019–2023 in CZK

	2019	2020	2021	2022	2023
Total AA revenues	6 120 884	9 776 760	14 220 210	6 537 435	8 547 546
Profit after tax	575 979	1 433 424	1 604 227	631 787	1 350 426

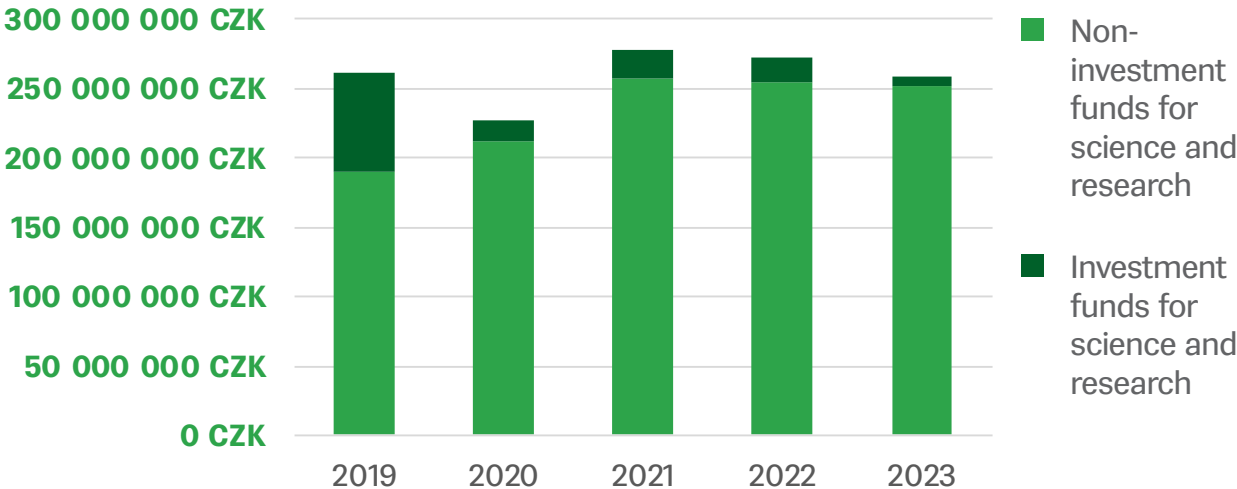
Total AA revenues 2019–2023 in CZK



Total funds spent on educational activities 2019–2023



Total funds spent on scientific and research activities 2019–2023



Other sources of funding for FLD activities

Other resources of financing FLD activities were funds obtained within the projects of GA CR, TA CR, NAZV, OP VVV, within contract research, and our own activities. In 2023, FLD managed non-investment funds totalling **403,046,499.72 CZK** and made investments of **78,163,020.39 CZK**

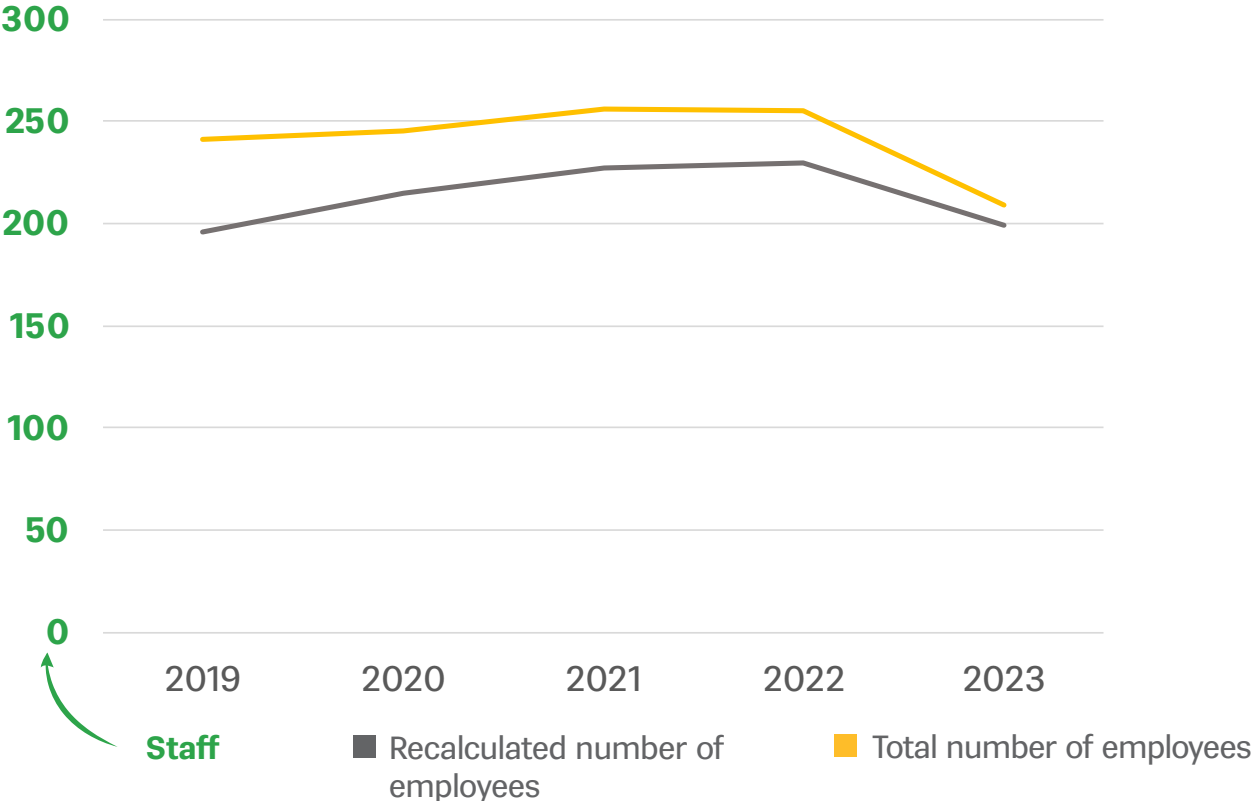
FLD staff structure

In 2023, the Faculty qualification structure expressed by the ratio of professors to associate professors and to assistant professors was 16% : 28% : 55%. The goal set in previous years, namely the achievement of a 45% share of professors and associate professors in the total number of academic employees, was achieved.

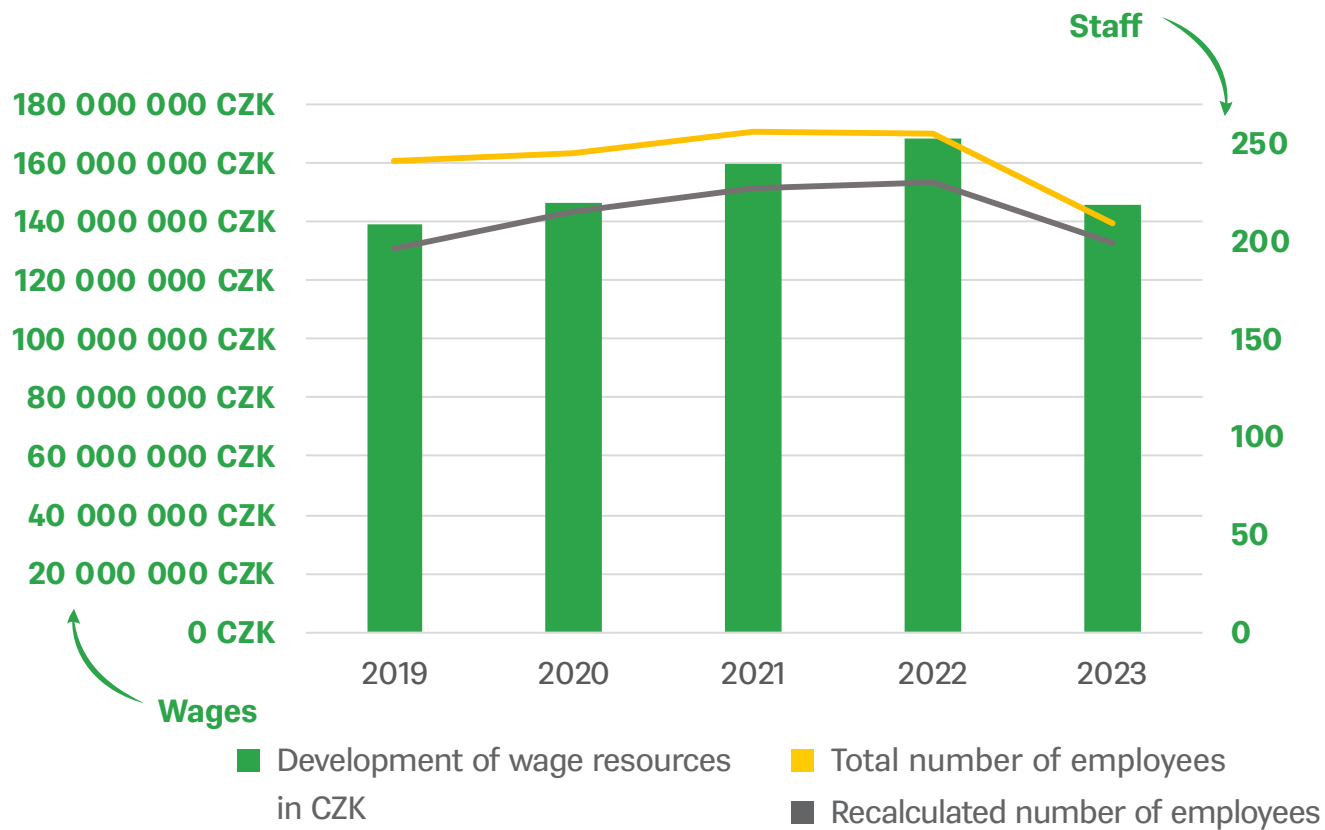
The converted share of academic employees with foreign citizenship is 24.5% of the total number of academic employees.



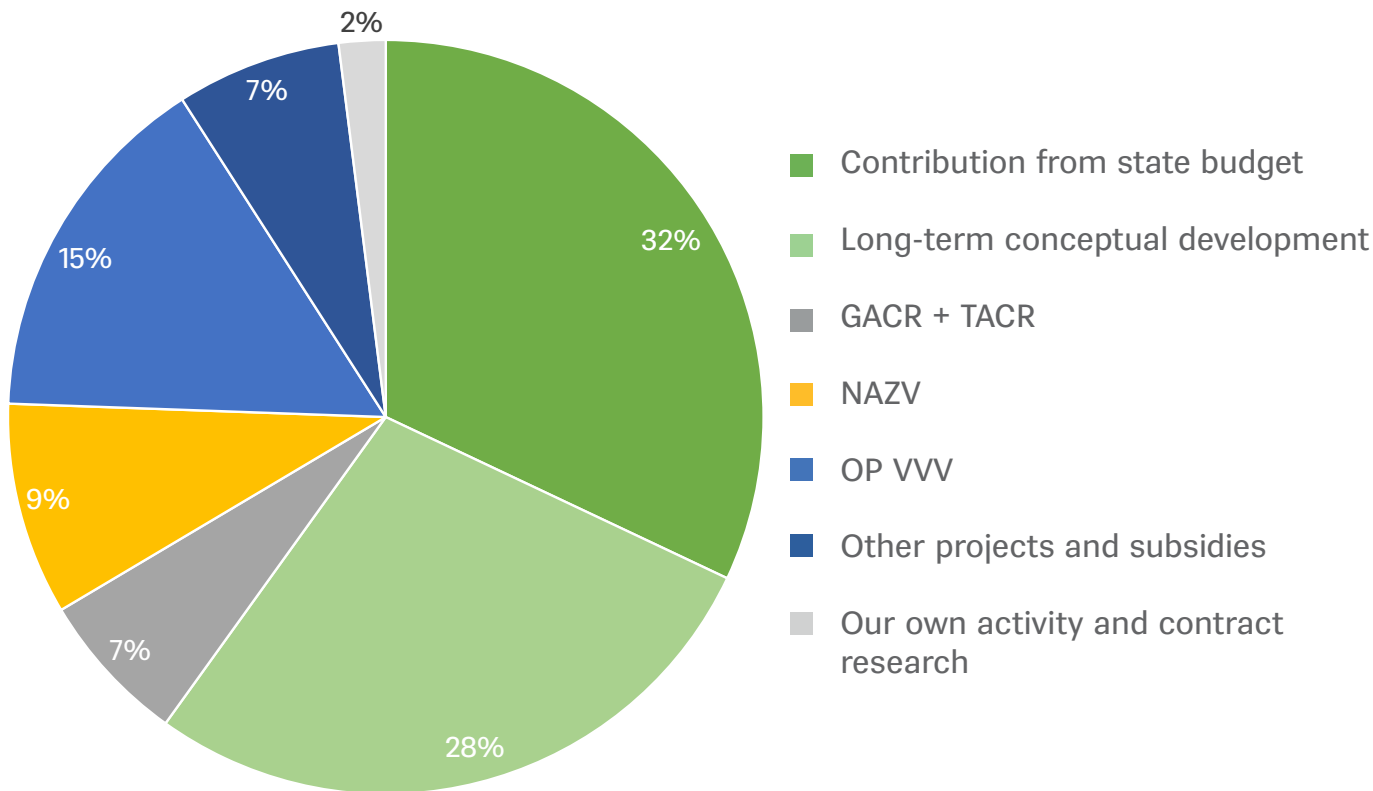
Development of the number of FLD employees 2019–2023



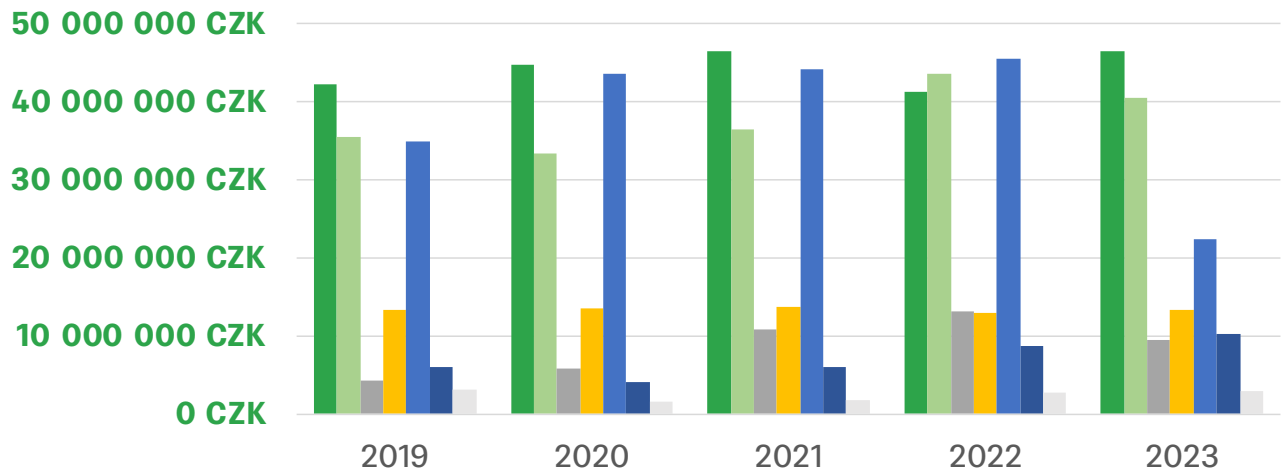
Development of funds for wages and employees 2019–2023



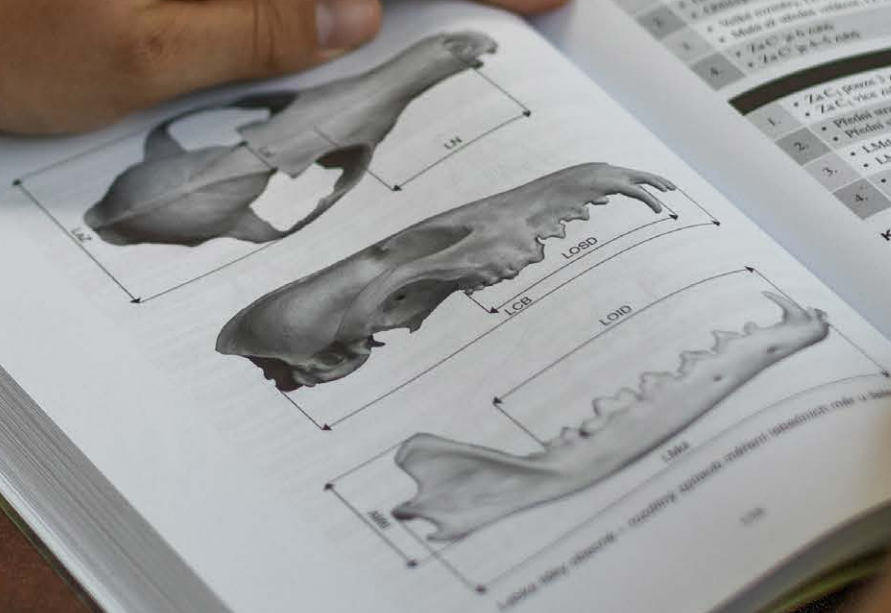
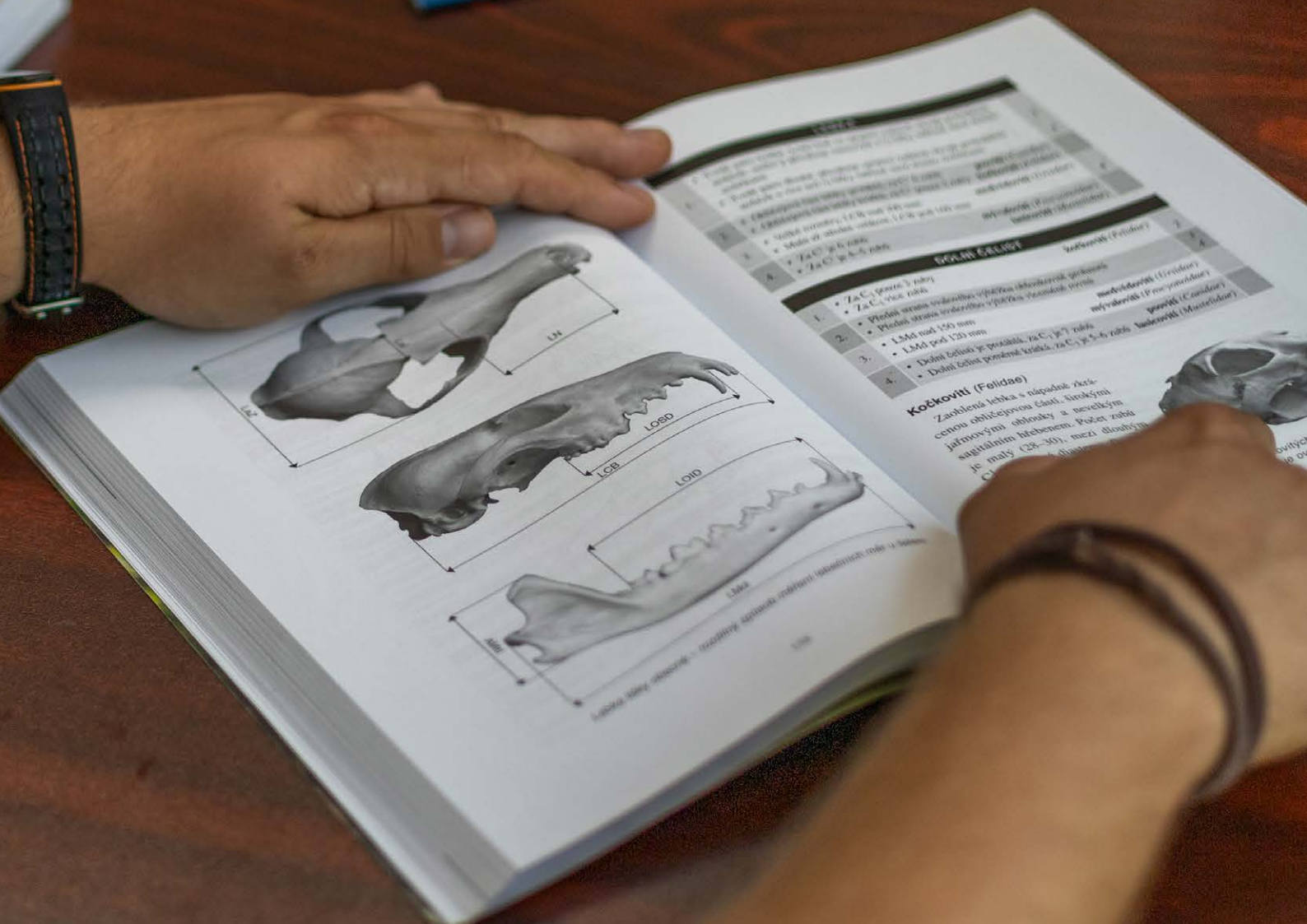
Wage financing structure in 2023



Development of the structure of resources for wage financing 2019–2023



Proportion of resources for wage financing



Tělo		Zubovina (Denture)	
1
2
3
4
5
6
7
8

Dělní řada (Denture)		Zubovina (Denture)	
1
2
3
4

Kočkovití (Felidae)

Zašklebená lebka s nízkou částí. Širokými
 čenou obličejovou částí. Širokými
 jehňovými oblouky a největším
 sagitálním hřebenem. Počet zubů
 je malý (28-30), mezi dlouhým
 C1 a C2.







LISTY Z LESA
ročník 2023

INFORMAČNÍ MAGAZÍN
FAKULTY LESNICKÉ A DŘEVAŘSKÉ ČZU V PRAZE

ČZU Fakulta lesnická
a dřevařská

Česká zemědělská univerzita v Praze
Fakulta lesnická a dřevařská
Kamýčká 1176
Praha - Suchbátel 165 00

KOFEIN Z KÁVY
- syntéza vyvíjí
při ochranné dřeva

ČESKÁ TELEVIZE
- uvedla premiéru našeho
filmu Lesy budoucnosti

LESODIVERZITA
- aplikace pomáhající
mapovat biotopové stromy

Marketing activities

9

9 Marketing activities

Marketing Department as part of Faculty strategy

One of the Faculty's priorities is its promotion to the general and professional public. Therefore, every year we organize and co-organize a large number of events where we promote our studies, science, research, and other activities that the Faculty is engaged in. We also participate in the organization and co-organization of international scientific meetings and conferences.

In 2023, we worked intensively with secondary school students and young people in general. Through the international competition Young People in European Forests (YPEF), the Faculty has the opportunity to meet biology enthusiasts from elementary and secondary schools. As every year, the Faculty organized local rounds in Central Bohemian Region and a regional and national round in Prague. Lectures in schools, shooting competition, cross-country race, student driven hunt, professional lectures at FLD, and open

days were organized for secondary school students. We also participated in the Natura Viva, For Wood, VědaFest, and Země Živitelka trade fairs.

However, activities for employees are also important for the Faculty; the FLD Family Day took place at the beginning of September, where employees could also bring their family members and everyone could enjoy a beautiful day together. In December, there was also a pre-Christmas meeting of employees and a traditional FLD Christmas concert.



"Listy z lesa" magazine and Faculty newsletters

In 2023, the second issue of the Listy z lesa magazine was published; its aim is to show the general public how modern as well as attractive the forestry and wood science fields are. The magazine presents interesting scientific findings in a popular-science format and present the equipment of students and employees at FLD. It also features interviews with our students and alumni, several fun pages for children, and game recipes. We distribute the magazine for free at Faculty events, but it is also available in electronic form on the Faculty website.

The Faculty also continued to regularly publish an internal Newsletter and a Newsletter for Practice. With the internal Newsletter, the Faculty raises the awareness of employees and PhD students about events at the Faculty, informs about news, introduces new employees, and presents future events. The FLD newsletter was published three times in 2023. The Newsletter for Practice is published for the professional public. In 2023, it was published as a supplement to the May issue of the "Lesnická práce" magazine and is also available on the Faculty website. The goal is to acquaint the professional public with applied FLD outputs and thus support the transfer of these outputs into forestry and woodworking practice.



Social responsibility

Together for a good cause, this is the motto that the Faculty follows in its social responsibility activities. The support of the DUHA company, working with people with mental disabilities, is already established; we buy a painting from them every year, which is then used on our New Year's cards. In 2023, the painting called Stag by Radim Hostomský was purchased. The

painting was presented at our traditional Christmas concert.

As part of Forest Week, which took place in May 2023, the Faculty participated in a virtual charity run. The proceeds from it went to support the Praha Wheelchair Sports Club and the implementation of a multi-day cycling trip to the forest. Wheelchair users set off into the forest on special bikes that they control only with their hands, so-called handbikes.



Videos and podcasts

In 2023, we continued to create audiovisual outputs promoting study options, instrumentation, teaching, modern facilities, scientific outputs, and events. For example, there were videos presenting the study programme Conservation of Nature Objects and Taxidermy, the issue of forest roads in the Czech Republic, preparation of students for Eurojack logging competition, and the procedure for submitting an application

The Faculty in the media

Communicating information to the general and professional public through the media is also one of the priorities of our Faculty staff. There were many topics attractive for media. The new application Klíšťapka, which informs users about the occurrence of ticks and the risk of possible infection with Lyme disease, had a great response. It can also predict the abundance of ticks based on the classification of forest stands, habitats, and climate data. To launch the application, a successful press conference was also held at CZU. The documentary film Forests of the Future, which our Faculty produced in cooperation with CZU Forests, Hradec Králové Municipal Forests, Archbishop's Forests and estates Olomouc and the Wood for Life Foundation, also attracted the interest of the media. This film was also screened

for study. A documentary film, Forests of the Future, was also created, which had its premiere on Czech television. The videos are published on the official Czech (FLDvPraze) and English (Faculty of Forestry and Wood Sciences CZU Prague) YouTube channel of our Faculty. As part of the university Podcast full of life, our Faculty regularly published contributions on professional topics, such as the medicinal effects of plants from our forests, forest fires, primeval forests, and forest protection.

at three international festivals and won a prestigious award at the Slovak film festival Agrofilm. The documentary is intended especially for the general public with an interest in nature and presents the current knowledge of forestry science, which has a key role in the future of our forests. The media was also interested in the result of the wooden shelter design competition, which was organized by the Railway Administration in cooperation with our Faculty. The winning design was created by a team consisting of Jan Rous (FLD), Alexandra Horáčková (FLD) and Michaela Andrllová (ČVUT). The implementation of the Chřenovice-Podhradí train stop, which was made in the FLD joinery, took place at the end of 2023. In total, the Faculty was mentioned in the Czech media 195 times. These included television reports, radio programmes, articles in newspapers, magazines, and on the Internet.

CALENDAR OF EVENTS 2023

**January/
February
2023**



University Fair

Event for study applicants – online

Open Days

Event for applicants to study at CZU

Student driven hunt

Event of FLD Hunters Association, Kostelec nad Černými lesy

SOKRATES

University Fair, Most

Trips to secondary schools

Lectures on study

For WOOD

Wood Fair, Prague – Letňany

FLD student ball with mock caning ceremony

Event of Student Interest Association, Klub C

Forest and aesthetics

Lecture with discussion, Nová síň Gallery

Mini symposium

Event for FLD students from abroad

Announcement of the Railway Administration competition

Student competition, Prague – Dejvice

**March/
April
2023**



FLD alumni reunion after 20 years

Event for FLD alumni

Premiere of the film Forests of the Future

Event for the public, ČT2

Replay of the film Forests of the Future

Event for the public, ČT2

Open Day

Event for applicants to study at CZU



International academic competition in hunting horns and deer luring

Student competition, Kostelec nad Černými lesy

Exhibition of designs for the Railway Administration competition

Exhibition, Prague main station

Exhibition about the environment, Kolín

Event for the public and schools

Forest Restoration Day

Event for the public, Kostelec nad Černými lesy

Forest Railway

Lecture at FLD

YPEF Prague Regional Round

Forestry competition for primary and secondary school students

Salon of wooden constructions

Event for the public

CZU Sports Day

Event for CZU employees

Student shooting competition

Event of the FLD Hunters Association, Vlašim

Forest Week with the Forests of the Capital City of Prague

Event for the public

Day with Křivoklátsko forest park

Event for the public

Exhibition of cast antlers, Lány Forest Administration

Exhibition

Natura Viva

Hunters Fair, Lysá nad Labem

CZU Forests Open Gates

Event for the public

FLD Arboretum Open Day

Event for the public

Kralupy Safety Day

Event for the public, Kralupy nad Vltavou

**June/
August
2023**



YPEF National Round

Competition for primary and secondary school students

Science Fair

Fair, Letňany

Czech Forest Days

Event for the public, Trutnov

Garden Party

Event for the public, CZU campus

Dean's Shooting Competition

Event for FLD partners, Vráž u Benešova

Forest Days at Ralsko

Event for the public

CZU Forests Day

Event for the public

UNECE/FAO annual meeting

Project meeting

International workshop on sustainable forestry

Workshop

VědaFest

Fair, Dejvice

"Země Živitelka"

Trade Fair, České Budějovice

**September/
October
2023**



FLD Family Day

Event for employees and PhD students

CZU Estates Harvest Festival

Event for Public, Láňy

Forestry Day at FLD

Event for professional public

Info day for foreign students and Erasmus students

Event for study applicants

Tree Day with Forests of the Capital City of Prague

Event for kindergartens, schools and general public

International Conference FACE, ČMMJ

Conference

"You cannot run away from the Dean"

Running race, Jevany



AgroFilm Festival Nitra

Event for the public

Night of Scientists

Event for the public

FLD Arboretum Open Day

Event for the public

Day with Hunters, Hradec Králové Municipal Forests

Event for the public

Prague Science Film Festival

Event for the public

Forestry seminar

Event for professional public

Open Day

Event for the public

Climate, Water, Soil Conference

Conference

FLD Driven Hunt

Events for employees and partners of the Faculty

Fishing Vyžlovský pond with CZU Forests

Event for the public

FLD Christmas Concert

Event for FLD staff, students, and partners

CZU Christmas Market

Event for the public

Pre-Christmas meeting of employees and PhD students

Event for FLD employees and PhD students



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