

# Annual Report 2022

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



Faculty of Forestry and Wood Sciences  
Czech University of Life Sciences in Prague  
**Annual Report 2022**

# Contents

1	Introduction	6
2	Basic data	10
3	Educational activities	16
4	Quality of educational and creative activities	24
5	Science and research	28
6	Internationalization	38
7	Faculty development	44
8	Financial and personnel management	50
9	Marketing activities	60





**Introduction**

**1**

# 1 Dean's introductory words



In the introduction to the 2021 Annual Report, I expressed the wish that the year 2022 could be evaluated as positively as the year 2021, if not more so. I can say that, despite all the operational problems brought about by the energy and economic crises, the wish came true. Faculty activities were focused on the fulfilment of the strategic plan for the development of the Faculty for the years 2021+ as an essential document for the Faculty's conceptual development.

As for educational activity, 2022 was a positive year in terms of interest in

studying at our Faculty; after several years of stagnation in the number of applications, we recorded a significant increase. For the Faculty, the quantity as well as quality of studies is important; for this reason, we have been applying a motivational scholarship programme for several years. This was reflected in the study results, the number of supported students, and the total amount of merit-based and extraordinary scholarships paid.

With the aim of increasing the number of foreign students, international mobility, and the attractiveness of studying at the Faculty, we have prepared a new master's study programme called Forest Science in Global Change, which will be taught in English. This programme will be implemented in cooperation with three foreign universities and will include a so-called Mobility Window, i.e., a period of one semester that the student must spend at one particular university. Currently, this study programme is already accredited and I believe that we will welcome the first students in the autumn.

The long-term priority of the Faculty in the scientific and research field is outputs in the form of publications in the Nature Index category, in journals of the first decile, first two quartiles and, naturally, outputs

applicable in practice. In order to fulfil this strategy, we are creating and implementing supporting Faculty programmes for excellent science, motivation of employees and PhD students, high-quality application outputs, popularization of science, and transfer of scientific results to teaching. The result is not only a high number of publications in journals with an impact factor achieved in 2022, but also a high share (almost 90%) of publications in the first and second quartile, a high number of publications with the first author from our Faculty, and a high number of publications where the Faculty has more than half the number of authors from our Faculty in the author's team. In addition to high-quality scientific publications, a number of application outputs were created, which are an important element in the field of cooperation with practice.

Last year was the most successful for FLD in terms of the number of launched projects from the Horizon Europe European framework programme. A total of four projects were launched focused on the protection and sustainable use of forest genetic resources, mitigating the effects of climate change on the European forestry sector, the development of a circular bioeconomy, and the support of agroforestry in Europe. In particular, the last one (called REFOREST) is significant because it is coordinated by the Faculty. In total, 57 projects were dealt with at the Faculty, of which 17 were international.

The increasing number of international projects is very positive and is the result of fulfilling the Faculty's strategy. To ensure sustainability in the area of projects, a total of 39 applications were submitted to national grant competitions last year, especially NAZV, TA CR, and GA CR.

As for investment activities, two of the three stages of the completion and reconstruction of the old FLD building were finished last year. The Faculty budget made it possible not only to strengthen the personnel area, but also to increase the total amount of salary funds. Last year, 40% more money was spent on employee salaries and rewards than in 2018. As every year, the Faculty took care of the social area in the form of organizing the FLD Family Day, a Christmas concert, and publishing an internal newsletter. In the area of social responsibility, we have long been cooperating with the DUHA Company, which focuses its activities on adults with mental disabilities and on expanding their possibilities in various areas of life.

**prof. Ing. Róbert Marušák, PhD.**

Dean







Basic FLD data

2

# 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 – Suchbát

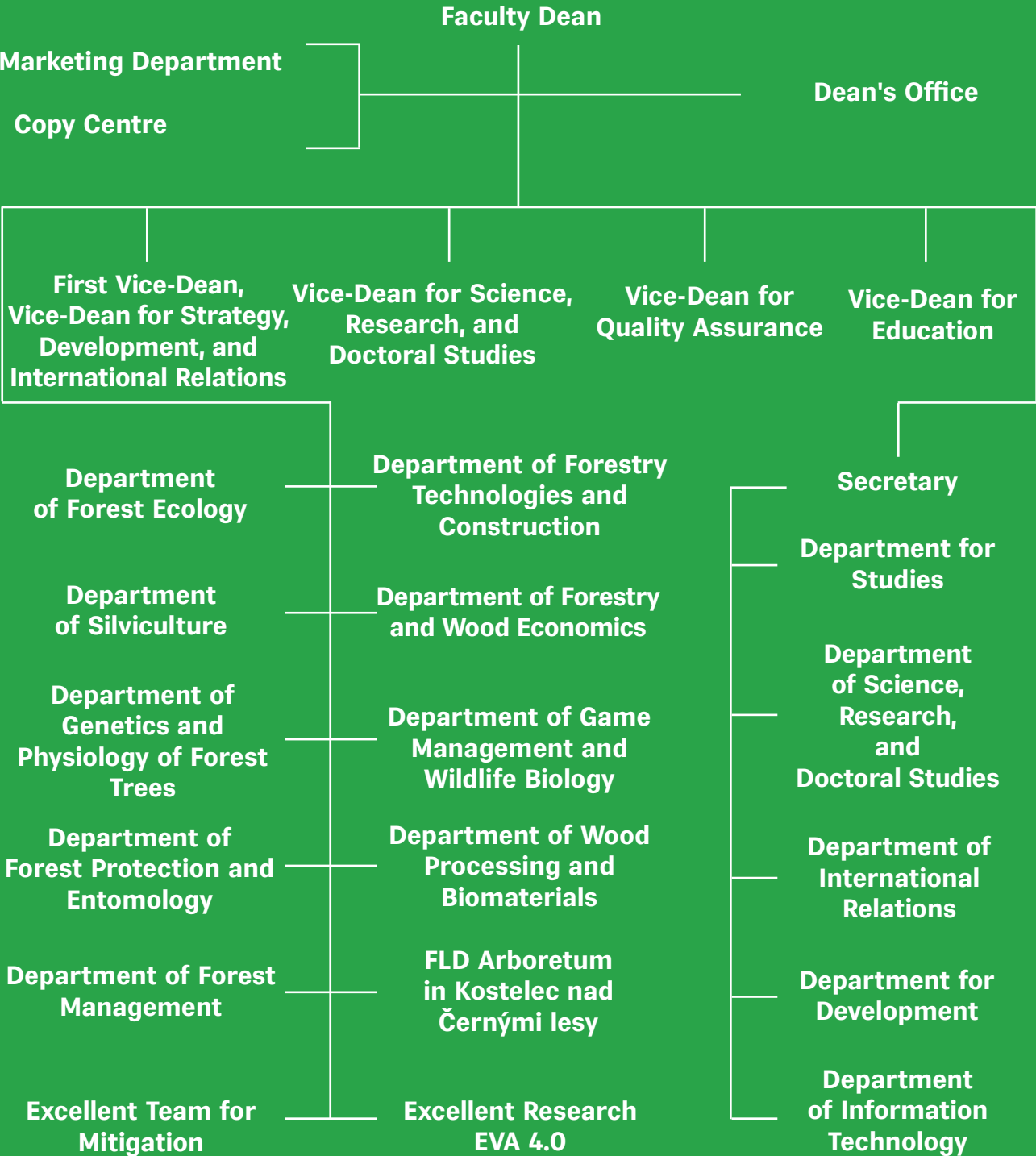
### English translation of the Faculty name

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

### Senators until 30/11/2022

#### Academic staff

doc. Ing. Oto Nakládal, Ph.D.,  
Chairman  
prof. Ing. Jaroslav Červený, CSc.  
doc. Ing. Vlastimil Hart, Ph.D.  
doc. Ing. Martin Jankovský, PhD.  
Ing. Radim Löwe, Ph.D.  
Ing. Roman Modlinger, Ph.D.  
doc. Ing. Vítězslava Pešková, Ph.D.  
doc. Ing. Peter Surový, PhD.

#### Students

Bc. František Čepický  
Samuel Gavaľa  
Ing. Anna Herrová  
Ing. Václav Silovský

### Senators from 1/12/2022

#### Academic staff

doc. Ing. Oto Nakládal, Ph.D.,  
Chairman  
Ing. Radim Löwe, Ph.D.,  
doc. Ing. Lukáš Bílek, Ph.D.  
Ing. Ondřej Dvořák, PhD.  
Ing. Miloš Ježek, Ph.D.  
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. Monika Sarvašová Kvietková,  
PhD.  
doc. Ing. Miroslav Hájek, Ph.D.  
doc. Ing. Vlastimil Hart, Ph.D.  
prof. RNDr. Tomáš Hlásny, 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. Peter Surový, PhD.  
prof. Ing. Miroslav Svoboda, Ph.D.  
prof. Ing. Luděk Šišák, CSc.  
prof. Ing. Marek Turčáni, PhD.

#### Internal members – other CZU faculties and workplaces

prof. Ing. Martin Hanel, Ph.D.  
prof. Ing. Václav Hejtnák, Ph.D.  
doc. Ing. Milan Houška, Ph.D.  
doc. Ing. Bohdan Lojka, Ph.D.  
doc. Ing. Jiří Mašek, Ph.D.

#### External members:

prof. Ing. Marek Fabrika, Ph.D.  
prof. Dr. Ing. Libor Jankovský, CSc.  
prof. RNDr. František Kačík, Ph.D.  
Ing. Petr Král  
Ing. Tomáš Krejzar, Ph.D.  
prof. RNDr. Ing. Michal V. Marek, DrSc., Dr. h. c.  
Ing. Tomáš Pařík  
Ing. Pavel Rus  
Ing. Lenka Trandová  
doc. Ing. Petr Zahradník, CSc.  
Ing. Milan Zerzán

## 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

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

#### Secretary

Ing. Martin Prajer, Ph.D.





**Educational activities**

**3**

# 3 Educational activities

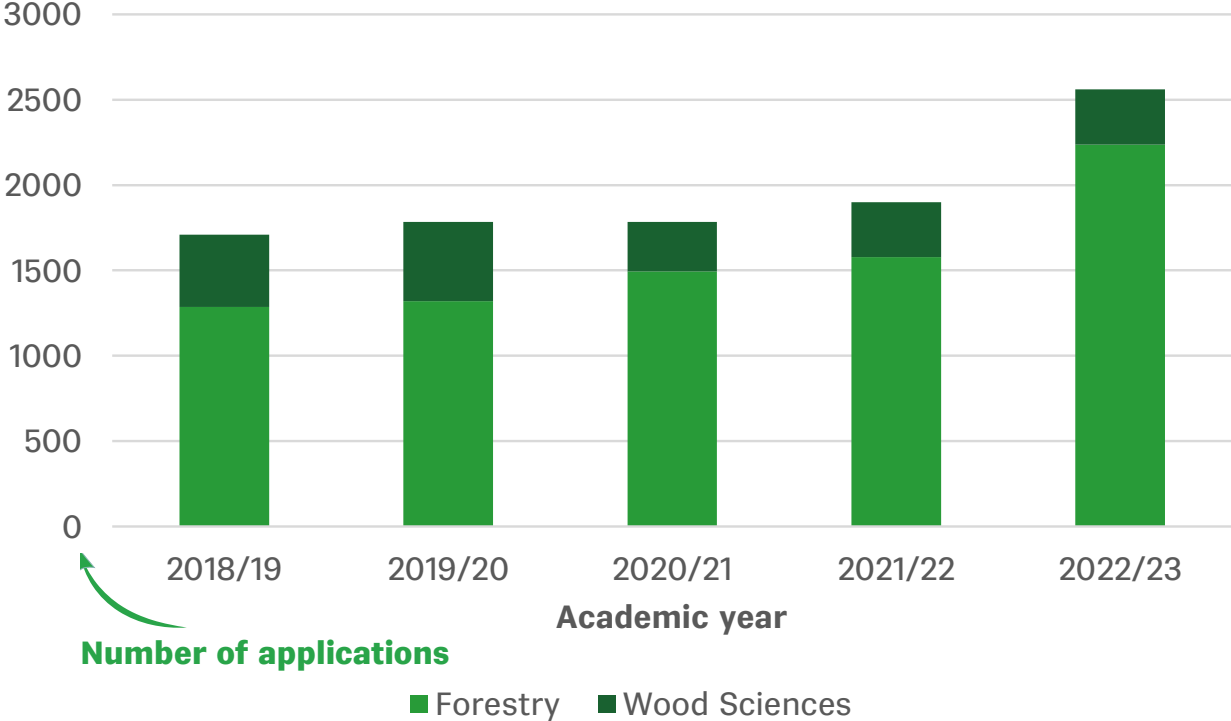
Educational activities are one of the main pillars of the Faculty of Forestry and Wood Sciences. Great emphasis is placed on constant modernization of the study environment, the link to cooperation with practice, and practical training in the field. The teaching is also supplemented every year with lectures by experts from abroad and other events connected with discussions with experts on various topics. Admission exams took place at the beginning of June 2022 according to plan. Interviews in Czech for Czech-taught study programmes for foreigners and interviews in English for English-taught study programmes took place in person.

A total of 2,560 applications were submitted in the two application stages, with the predominance of interest in forestry study programmes. 880 students (more than 40%) were subsequently enrolled. Interest in studying at FLD increases every year. However, a large proportion of applications was represented by foreign applicants.





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



As of 31 October 2022, a total of 1,765 students were studying at FLD, of which 1,436 were in bachelor's and 329 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 259 students successfully completed their studies, of which 148 in bachelor's and 111 in master's degree programmes. The employability of FLD graduates on the labour market is almost 100%.

# STUDY PROGRAMMES OFFERED IN 2022

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, p)
- WOOD SCIENCES**
  - specialized in **Wood Processing** (Cz, f/c)
- GAME MANAGEMENT AND WILDLIFE CONSERVATION** (Cz, f/c)
- CONSERVATION OF NATURAL OBJECTS AND TAXIDERMISTRY** (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)**

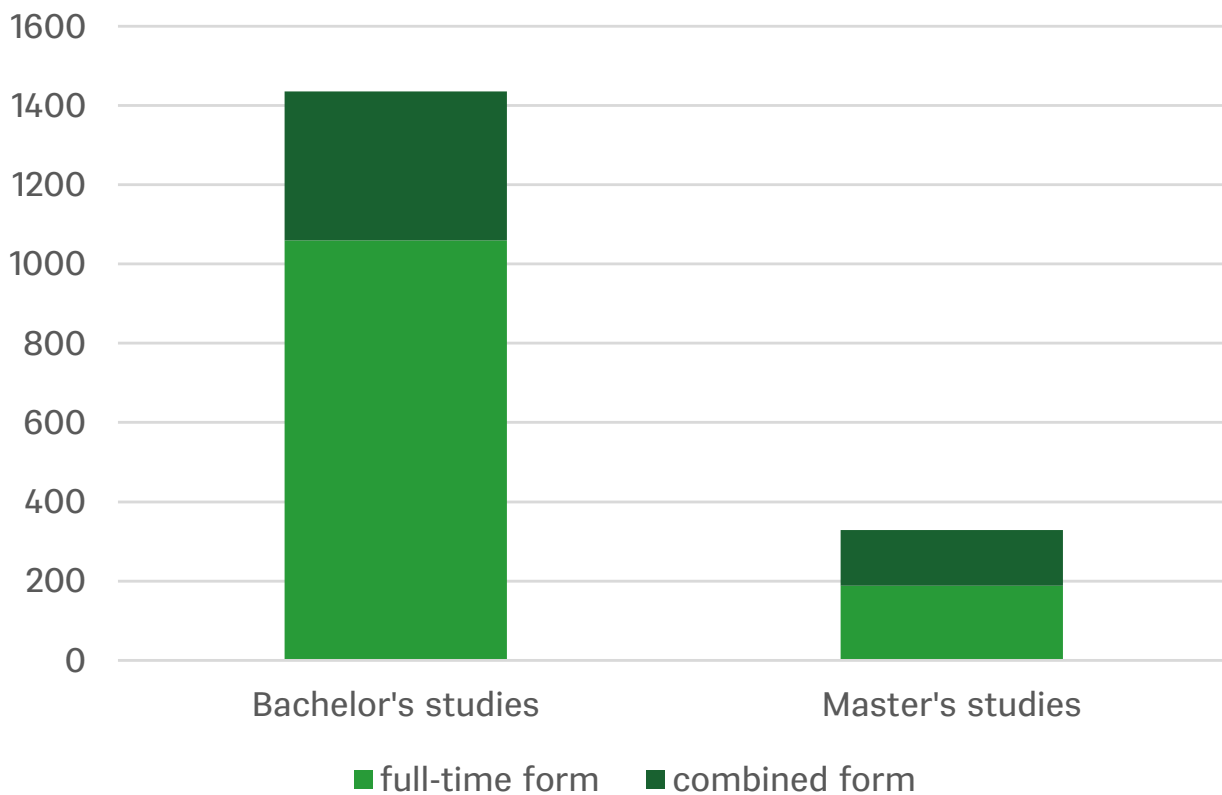
**GLOBAL CHANGE FORESTRY (En, f/c)**

# Form of study

FLD makes it possible to study in full-time and combined form, where a greater share of self-study is assumed. In 2022, FLD offered 10 full-time study programmes and 5 study programmes in combined form as part of bachelor's and master's studies.

The graph below shows the strong interest in the combined form. The proportion of combined study students out of the total number has been similar for the last 5 years; in 2022 this share was 29% of students.

## Number of students in full-time and combined form of bachelor's and master's studies as of 31 October 2022

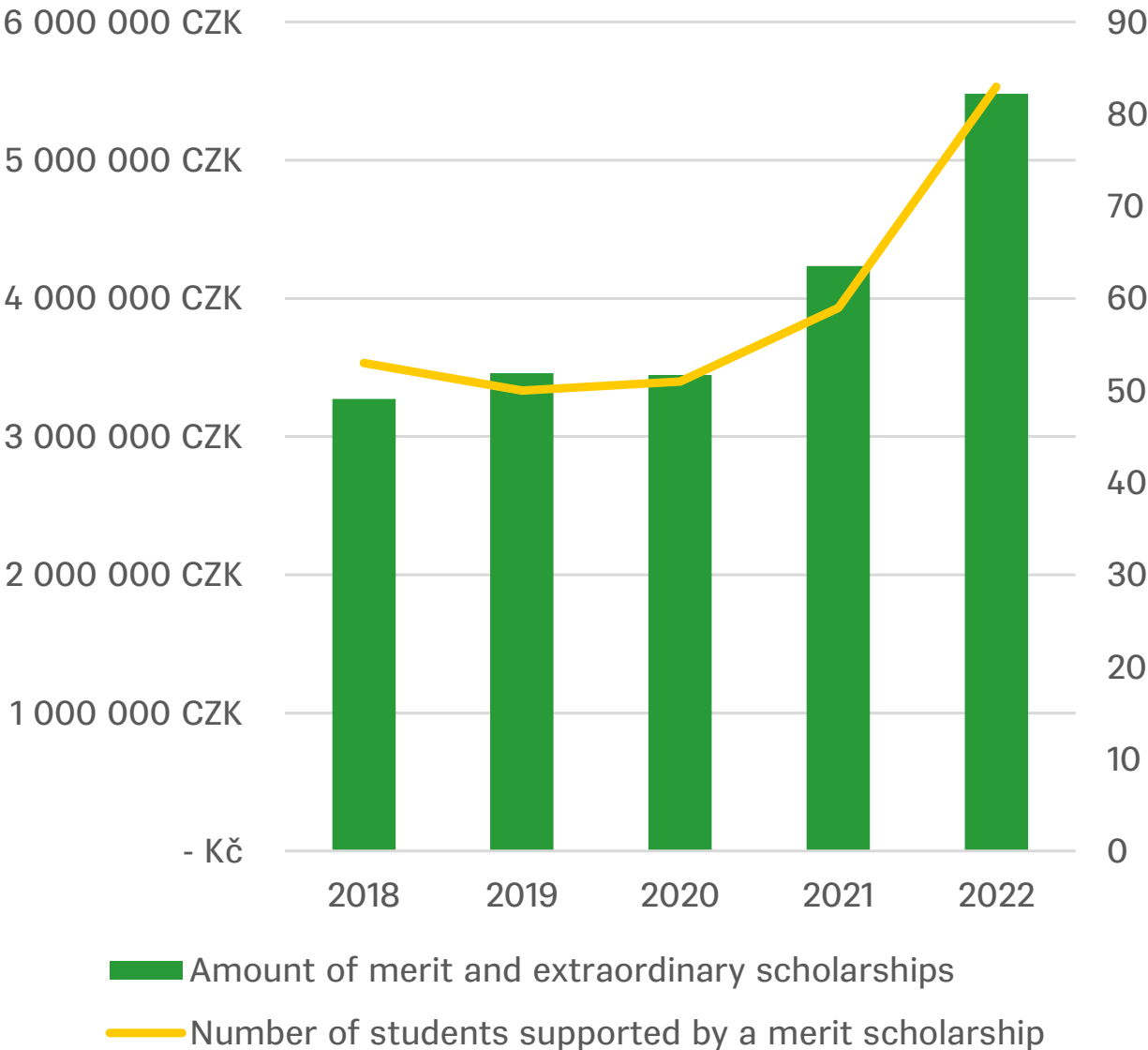


# Scholarship programmes

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 2018–2022







**Quality of educational and  
creative activities**

**4**

# 4 Quality of educational and creative activities

## Accreditation and quality of study programmes

In terms of accreditation of new study programmes (SP), 2022 was dedicated to work on the preparation of a new programme that will be conducted in English – Forest Science in Global Change. 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, at the same time, deepen their chosen professional focus. The intention is to accredit Forest Science in Global Change SP at the beginning of 2023 and immediately open the admissions process so that the first students can begin their studies as early as October 2023.

Attention was also paid to the preparation of plans for accreditation, or reaccreditation of two current SPs: Wood Engineering



Master's SP, and Conservation of Natural Objects and Taxidermy Bachelor's SP, whose accreditation expires in 2023.

## Lifelong learning

2022 saw the continuation of all aspects of lifelong learning, which FLD has been developing for a long time. The ongoing

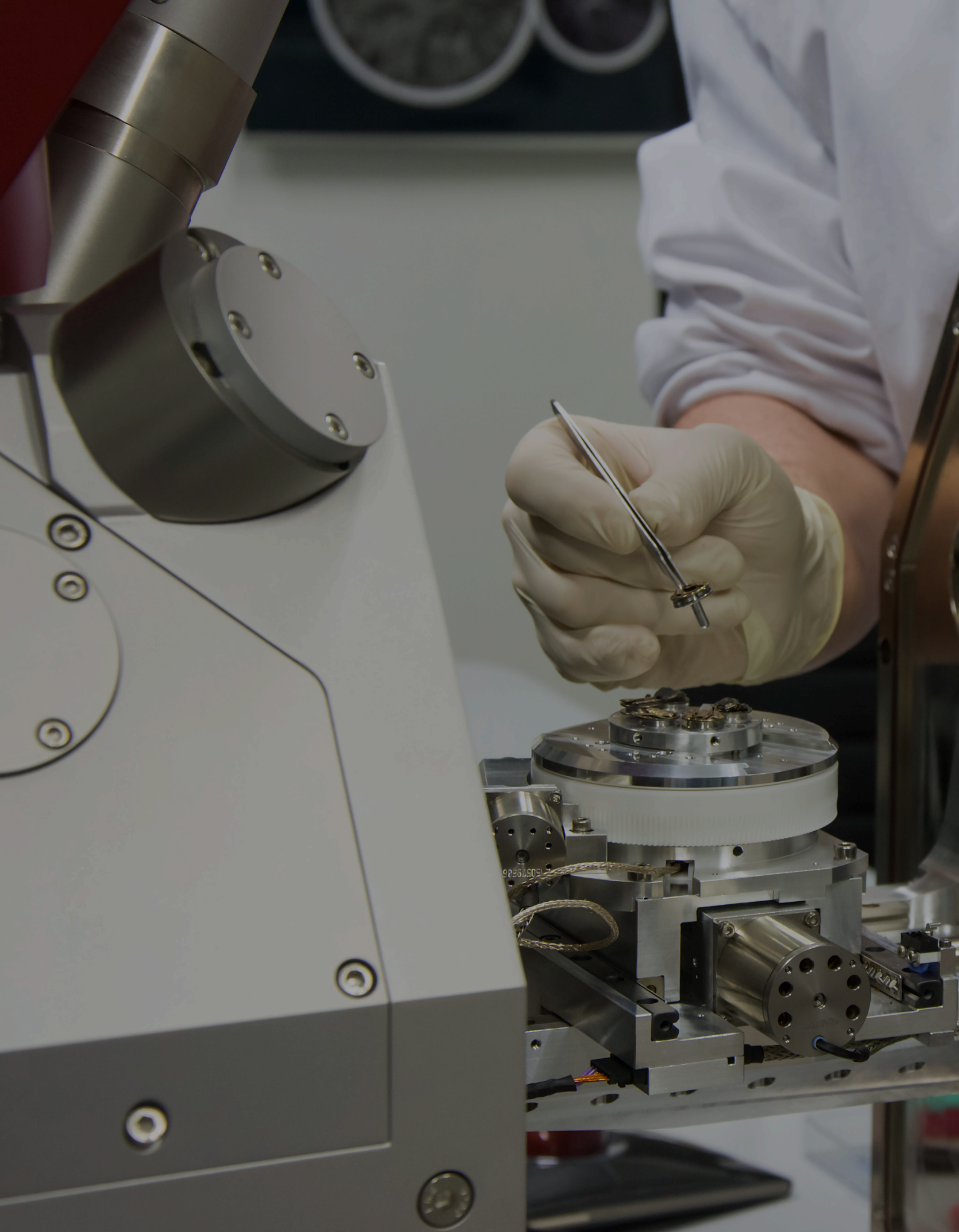


lectures by academic staff for the University of the Third Age (U3V) have already become very popular with students. The forestry-focused MBA study programme has successfully started in cooperation with Prague International Business School. Another form of FLD lifelong learning are professional courses for forestry and wood industry workers with the aim of increasing their qualifications. Some of these courses already started in 2021 for the employees of Vojenské lesy a statky (VLS) State Enterprise. The concept of these courses is still being developed and there is a plan to offer them to other interested parties. Preparatory work has also started on courses for experts in wood technology.

## Publishing activities

We are steadily supporting publishing activities both financially and organizationally, and the only limiting aspect at the moment is the authors' time possibilities. In 2021, 8 study materials were published in the new graphic form, and in 2022 there were 10. These also included two second editions due to high demand from students. This is also reflected in the growing absolute number of copies sold (108 in 2021, 126 in 2022). Various electronic study aids, which also included 5 educational videos, had a large share in the publishing activities.







**Science and research**

**5**

# 5 Science and research

## Main **ACTIVITIES**

**PUBLISHING IN EXCELLENT JOURNALS**

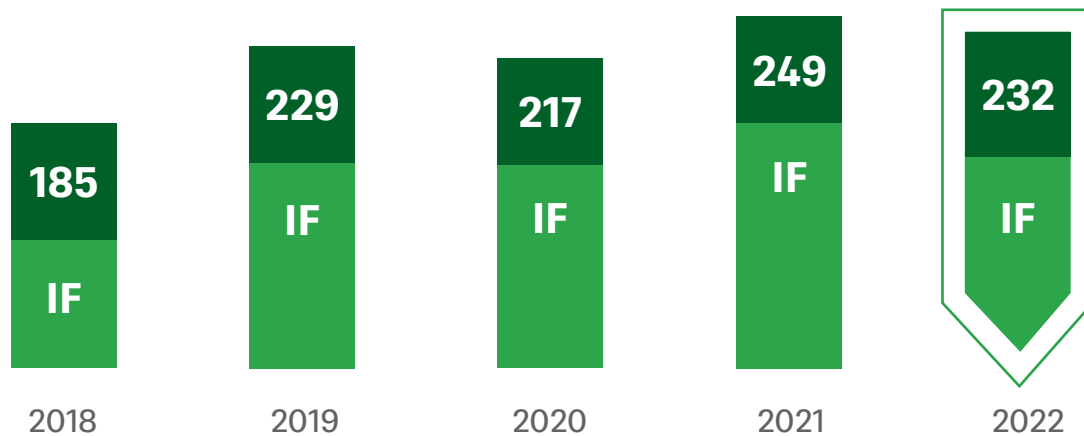
**SUPPORT FOR QUALITY APPLICATION  
OUTPUTS**

**QUALITY DOCTORAL STUDY**

**POPULARIZATION OF SCIENCE**

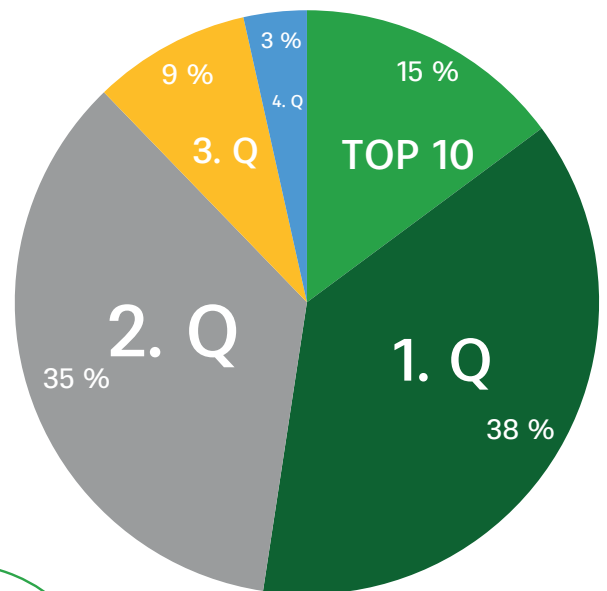
**OPEN SCIENCE**

# 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

**Emerging infectious disease triggered a trophic cascade and enhanced recruitment of a masting tree**

*Podgórski, Tomasz*

(journal: **Proceedings of the Royal Society B**)

**Divergent roles of herbivory in eutrophying forests**

*Kopecký, Martin*

(journal: **Nature Communications**)

**Pesticide resistance in arthropods: Ecology matters too**

*Bras, Audrey; Roy, Amit*

(journal: **Ecology Letters**)

**Jet stream position explains regional anomalies in European beech forest productivity and tree growth**

*Čada, Vojtěch; Janda, Pavel; Mikoláš, Martin; Rydval, Miloš; Svoboda, Miroslav;*

*Trotsiuk, Volodymyr*

(journal: **Nature Communications**)

**Competing beetles attract egg laying in a hawkmoth**

*Grosse-Wilde, Ewald*

(journal: **Current Biology**)

**The 2018 European heatwave led to stem dehydration but not to consistent growth reductions in forests**

*Stegehuis, Annemiek; Čada, Vojtěch; Janda, Pavel; Mikoláš, Martin; Matula, Radim; Svoboda, Miroslav*

(journal: **Nature Communications**)

**The number of tree species on Earth**

*Svoboda, Miroslav*

(journal: **Proceedings of the National Academy of Sciences of the United States of America**)

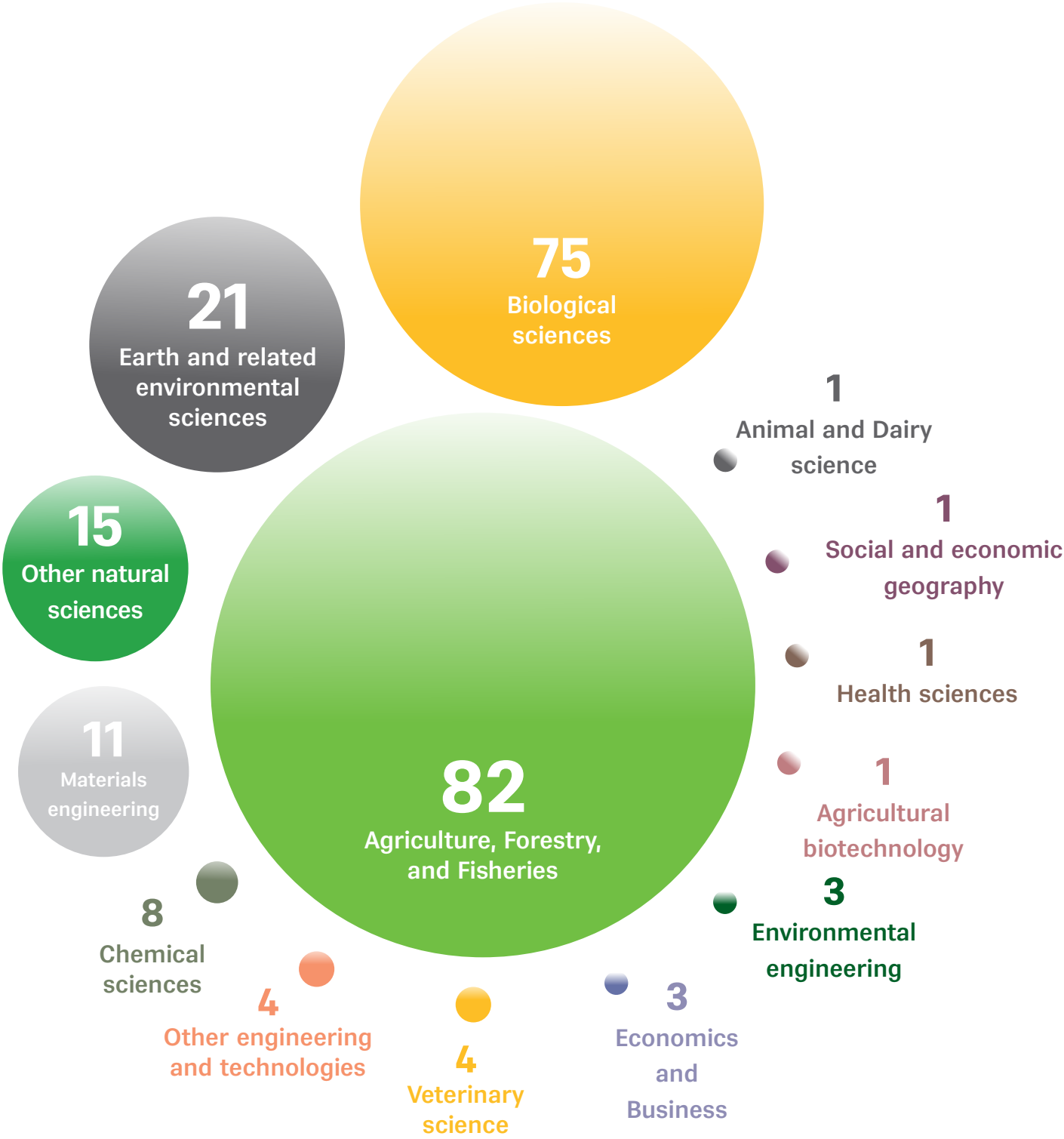
**Tropical tree growth driven by dry-season climate variability**

*Jiang, Yu-mei*

(journal: **Nature Geoscience**)



# Number of articles on WoS according to the FORD classification



# Open science

- Consultancy provided in "Open Access" for employees and PhD students.  
The publication of outputs in "Open Access" was systematically supported
- within a new call.  
Analysis process continued in the field of data management at the Faculty
- level.

# Support for quality application outputs

**A total of 49 application outputs**

**2** professional monographs

**11** chapter in a book

**8** articles in an anthology

**2** patent

**2** utility model, industrial design

**6** prototypes, functional samples

**1** proven technology

**6** summary research reports

**4** audio-visual items

**7** certified methodologies



# Popularization of science

- Newsletter for Practice was published – a supplement to the "Lesnická práce" magazine
- "Popularization of science" column for the general public
- Presentation of the Faculty's outputs at professional seminars and in the media
- "Wood Science Day" was organized



# Improving the quality of doctoral studies



**Doctoral studies (as of 31 December 2022)**

**21** students enrolled in the study for academic year 2022/23

**108** full-time students

**15** students in combined form

**54** foreign students

**13** successfully defended dissertation theses

## Full-time form



**64**

## Combined form



**14**



## Publishing activities of PhD students

- 72** publications on WoS (total of 73 PhD students)
- 44** publications where the PhD student is in first place in the team of authors
- 36** publications by PhD students which were created in cooperation with a foreign institution

## Support from Internal Grant Agency projects:

- 60** projects supported
- Funded projects totalling more than **8** million CZK
- 8** defended dissertation theses that were created with IGA support







**Internationalization**

**6**

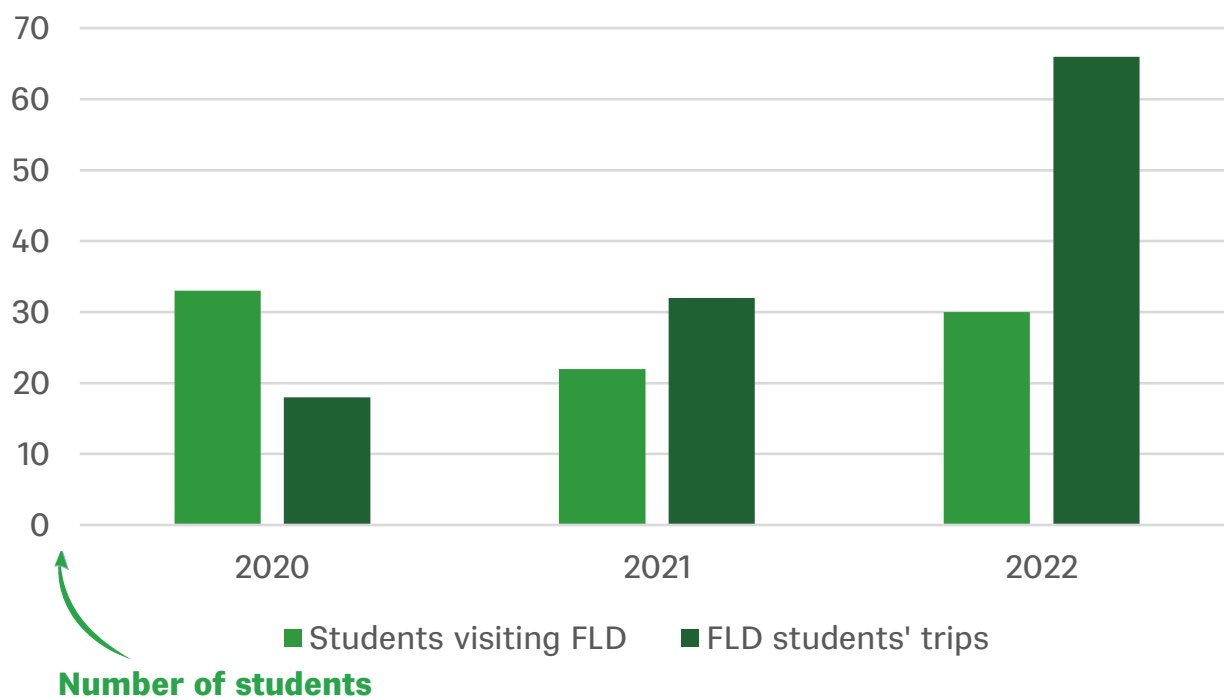
# 6 Internationalization

After two years of the Covid-19 pandemic, internationalization has gained importance again, and we have seen a higher increase in activities in the field of international relations at the Faculty. This interest was manifested to a large extent in the increase of foreign work trips, but also in a greater interest in international mobility.

In 2022, a total of 66 bachelor's, master's and doctoral degree students went to study abroad. In total, they spent 113 months and 23 days abroad. Of these students, 34 were supported from Erasmus+ resources, the rest from other sources (e.g., from the FLD budget). Thirty students came to study

at FLD in 2022 (for a total of 125 months and 7 days), most of them (28) were again supported by Erasmus+ resources. The sum of student visits and trips for 2022 is almost identical to the sum of visits and trips for 2020 and 2021 together.

## Development of the number of arrivals and departures of students within international mobility



Employee mobility was also used more than in previous years. There were 34 trips (4 STA, 30 STT). A total of 33 visits were made, of which 10 were STA and 14 STT. Other mobility was implemented within the CEEPUS programme, or it was a visit supported by FLD resources with the aim of establishing future scientific cooperation. In 2022, the Faculty continued in active preparation of summer schools. Two took place in the autumn. The summer school for foreign students "Let's practice forestry!" was organized in cooperation with FLD Student Interest Association for foreign students and members of the International Forestry Student Association (IFSA).

Ten foreign students from Finland, Slovenia, Slovakia, Greece, Estonia, and Chile, plus four FLD students took part in it. The aim was to introduce Central European forestry, which included excursions and familiarization with various CZU workplaces, e.g. Kostelec nad Černými lesy (forestry activities and tours of forestry operations), Mělník-Chloumek Wine Centre, an arborist workshop, and an excursion to the Adršpach-Teplice Rocks and to Sněžka. In September, a summer school was held for students of FLD forestry study programmes called "FORESTS OF THE ROMANIAN CARPATHIANS"

This event was organized in cooperation with partners from Romania and was attended by 51 FLD students. Students

went to forests, including primeval forests, made up of different species of trees and vegetation, went on hikes and field measurements. Over the course of more than a week, they saw the spruce forests in the Giumalau Mountains, the wild fir-beech valleys of the highest mountain range in Romania – Fagaras, natural habitats of the brown bear, restoration of large clear-cut and altered forests, and the oldest forestry faculty in Transylvania.

Other activities in the field of international relations focused on intensive cooperation in the international networks of EFI, FOREXT, IUFRO, and others. The aim was mainly cooperation in the field of research and preparation of joint projects. At the same time, there were numerous meetings with various foreign universities about cooperation. Examples include the University of Florida and National Arizona University.













**Faculty development**

**7**

# 7 Faculty development

In 2022, FLD implemented 57 research and educational projects with an annual budget of almost 190 million CZK, of which the largest financial share was taken by projects from the European Structural and Investment Funds (ESIF), amounting to around 100 million CZK; national projects had annual budgets of about 72 million CZK, and international projects 14 million CZK. From the project budgets, almost 14 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. In terms of the number of implemented projects, international projects were most represented (14), followed by 13 projects from the National Agency for Agricultural Research (NAZV), 11 projects from TA CR, 8 projects from ESIF operational programmes, and 6 from the GA CR programme.



## Number of implemented projects in 2022 per programme

<b>ESIF</b>	8
<b>International</b>	14
<b>NAZV</b>	13
<b>TA CR</b>	11
<b>GA CR</b>	6
<b>Other</b>	5
<b>Total</b>	57

## Budgets of implemented projects in 2022 per programme

<b>ESIF</b>	99.5 m CZK
<b>International</b>	14.2 m CZK
<b>NAZV</b>	32.1 m CZK
<b>TA CR</b>	20.9 m CZK
<b>GA CR</b>	11.3 CZK
<b>Other</b>	7.9 m CZK
<b>Total</b>	185.9 m CZK

## National projects

In 2022, the Faculty submitted 39 applications to national grant competitions, especially NAZV, TA CR, and GA CR. As of the closing date of the Annual Report, five applications were successful. Among others, the Department of Wood Processing and Biomaterials managed to get a three-year project called Development of a wood-concrete bridge with remote control from the TA CR programme, which is exceptional especially with regard to the involvement of important commercial partners. The aim

of the project is, as the name suggests, the development of a new type of wood-concrete bridge structure with remote control of operating conditions and a system to ensure high operational safety. It also includes the design of a system for flexible design of monitored wood-concrete bridges. The project is being implemented in cooperation with the following partners: Skanska a.s., MATRIX a.s., VSB – Technical University of Ostrava, AMBIS University, a.s., and the Czech Technical University in Prague.



## Projects from international competitions

Last year was the most successful for FLD in terms of the number of projects launched from the European framework programme Horizon Europe. Four projects

were launched by the end of the year. These include OptFORESTS (Dr. Stejskal) focused on the protection and sustainable use of forest genetic resources, CLIMB-Forest (Prof. Svoboda) dealing with mitigating the effects of climate change on the European

forestry sector, CEE2ACT (doc. Hájek) aimed at the development of a circular bioeconomy, and REFOREST dealing with the promotion of agroforestry in Europe. In particular, the REFOREST project is important for the Faculty because FLD coordinates it. The principal investigator is prof. Lukáč; the project will be implemented for four years and connects 13 institutions from 10 European countries.

FLD was also successful in the field of individual grants. Despite great international competition, Dr Mokroš made it to the second round of the renowned European grant competition ERC Starting

## Structural funds

During 2022, it was possible to negotiate with the Ministry of Education, Youth and Sports the extension of the existing EXTEMIT-K and EVA 4.0 projects aimed at supporting excellence at FLD until 30th June 2023. Autumn and winter were marked by the preparation of a follow-up project called ForTRes, which was presented in

## Protection of intellectual property

As part of the EVA 4.0 project, two applications were submitted to the international patent search procedure (PCT) at the World Intellectual Property Organization (WIPO) based in Switzerland. Dr. Šedivka's team developed the construction of the perimeter shell of a wooden building

grants with his proposal aimed at accurate forest mapping using a swarm of drones. Dr Hýsek received the prestigious European grant Marie Skłodowska-Curie Action Postdoctoral Fellowship (MSCA-PF), thanks to which he will deal with the development of technology for the decontamination of recycled wood during the production of biocomposites at the University of Natural Resources and Life Sciences in Vienna (BOKU).

In total, 17 project applications were submitted, most to the Horizon Europe programme (11) and the Interreg programmes (4).

January 2023 to the call for Top research of the Operational Programme Jan Amos Komenský (OP JAK). In addition to FLD, three other faculties of CZU, CzechGlobe, and IBOT are also involved in the proposal. The main presenter was Prof. Tomáš Hlásny; the project should further develop international top FLD research with a focus on current threats to Central European forestry.

with high ballistic resistance, while Dr. González Plaza's patent proposal in the field of antimicrobial molecules deals with a bacteriocin composition for encoding a linocin-M18-like protein. Success in the field of intellectual property protection was also noted by the EXTEMIT-K project, whose team under the leadership of Dr. Jirošová received a Czech patent for a preparation for repelling bark beetle.







**FLD Financial and Personnel  
Management**

**8**

# 8 FLD Financial and Personnel Management

## Financial management

In 2022, FLD received a total of 177,276,996 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 **27,053,311.05 CZK**. As of 31 December 2022, 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 01/01/2022	45 021	429 132	7 086 404	0	70 682 914	5 621 291	2 650 432
Fund creation	4 072 212	300 000	45 482 830	38 481	67 308 984	8 278 507	0
Drawing on the fund	4 116 115	634 434	37 696 570	0	93 795 924	2 963 514	0
As of 31/12/2021	1 118	94 698	14 872 665	38 481	44 195 973	10 936 284	2 650 432

Amount in CZK

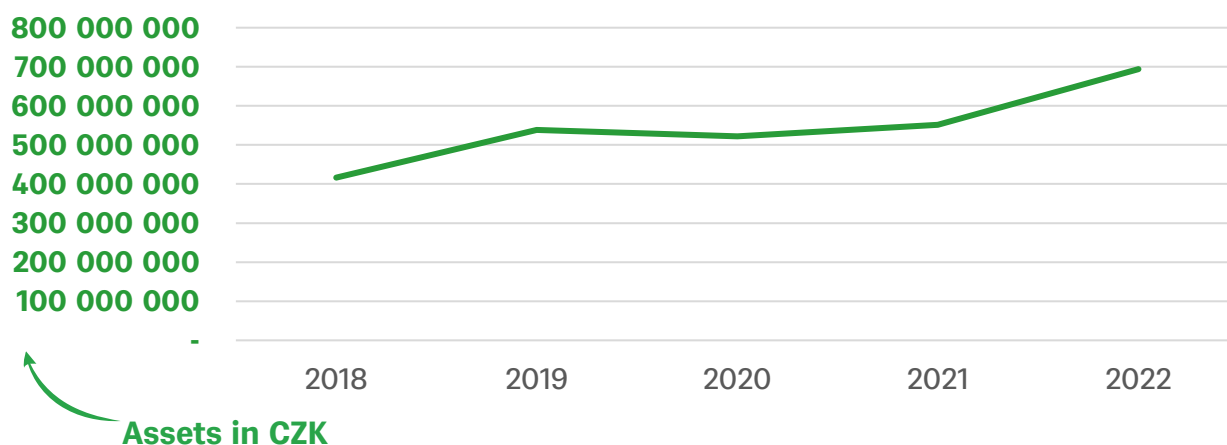


# Total financial reserve of the Faculty

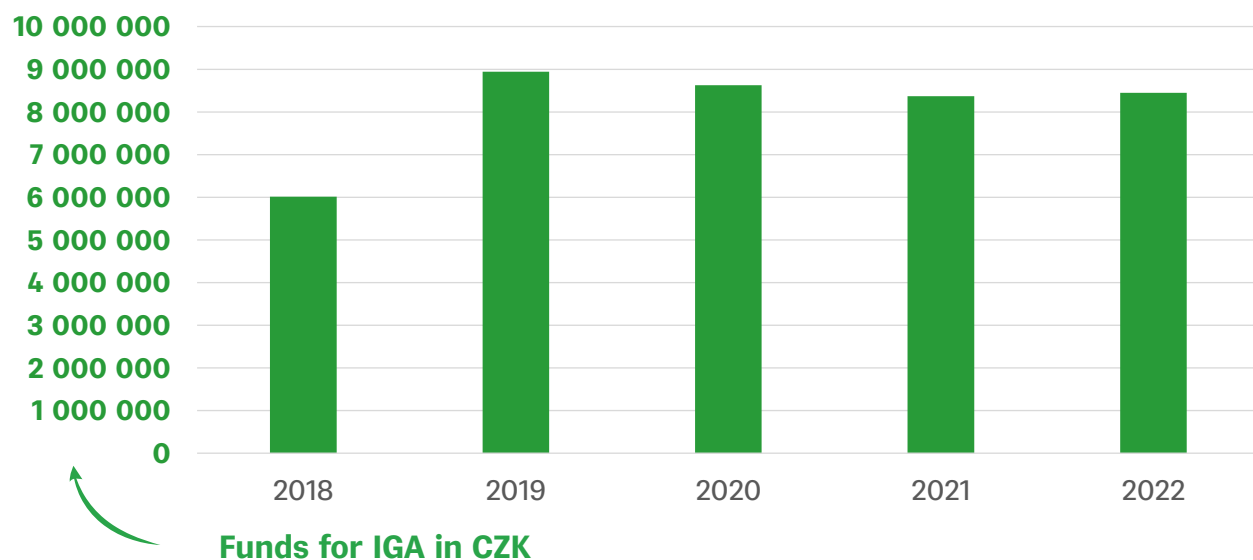
for investment development created from the main activity, as of 12 December 2022, was **7,269,3835 CZK** (Investment property development fund, Operational resources fund, Operational resources fund after tax, balances of foreign donations).

In 2022, the funds of the Investment Institutional Support in the amount of **4,974,901 CZK** were also used for the acquisition of tangible fixed assets and technical improvement of tangible assets.

## Development of FLD assets 2018–2022



## Development of funds allocated for IGA in 2018–2022



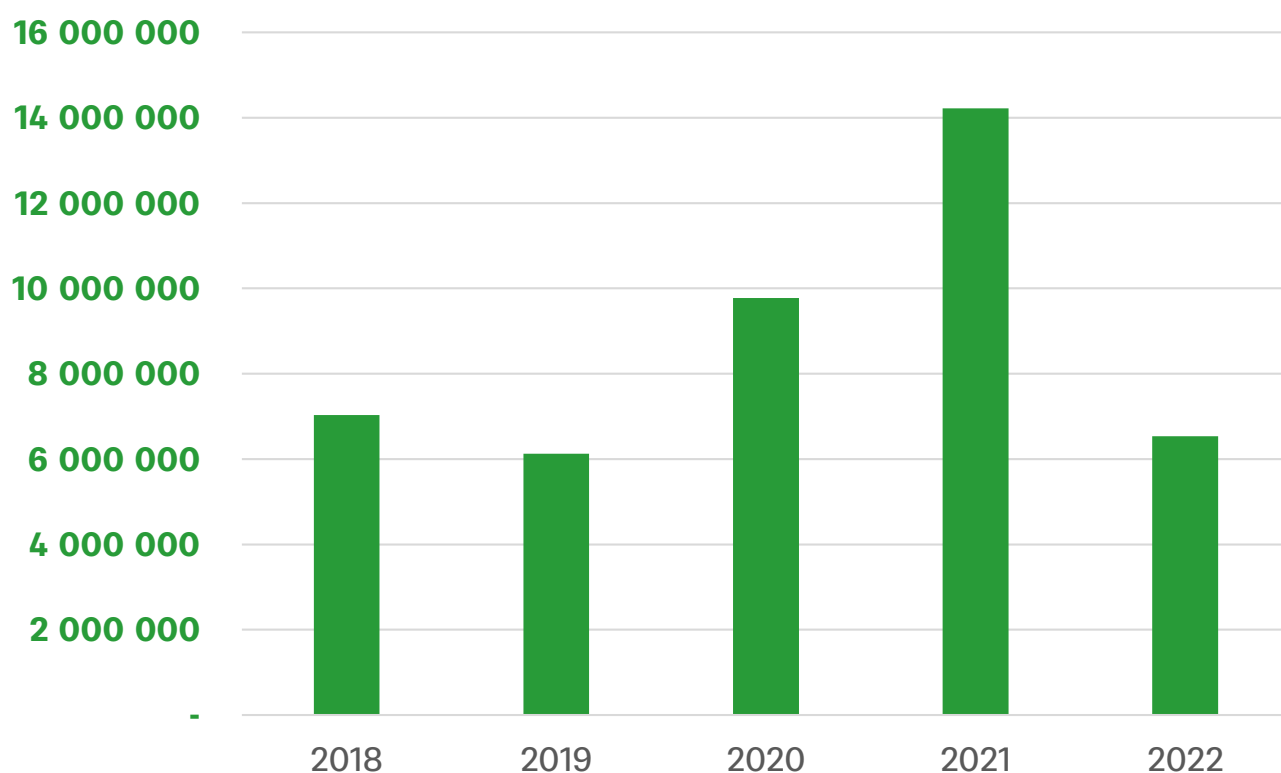
## Development of subsidy for specific research and IGA 2018–2022 in CZK

Specific research	2018	2019	2020	2021	2022
Subsidy	6 832 525	10 091 150	9 456 568	9 454 770	9 462 196
IGA	6 014 250	8 943 950	8 625 926	8 367 472	8 450 517

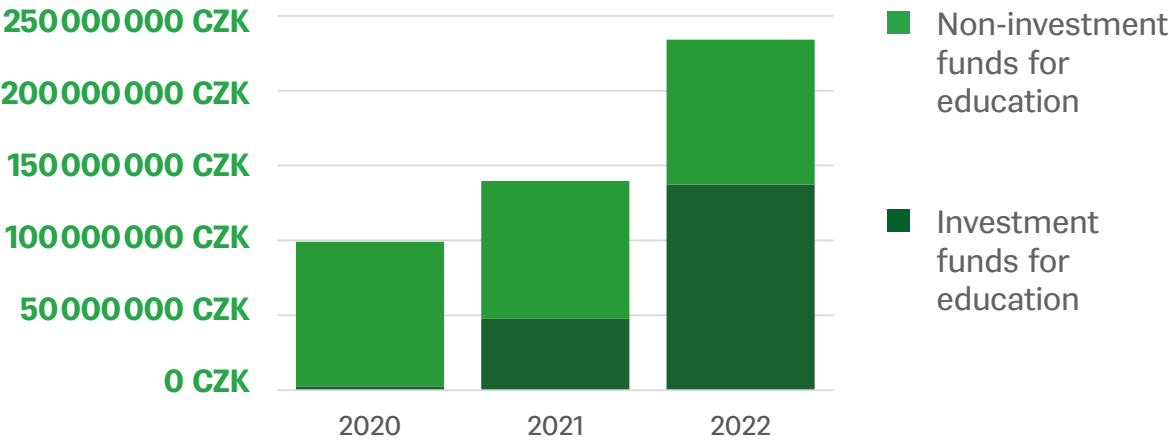
## Development of revenues from contract research and ancillary activities (AA) 2018–2022 in CZK

	2018	2019	2020	2021	2022
Total AA revenues	7 032 050,50	6 120 884,16	9 776 760,47	14 220 209,82	6 537 434,77
Profit after tax	652 412,72	575 979,22	1 433 424,46	1 604 227,24	631 787,00

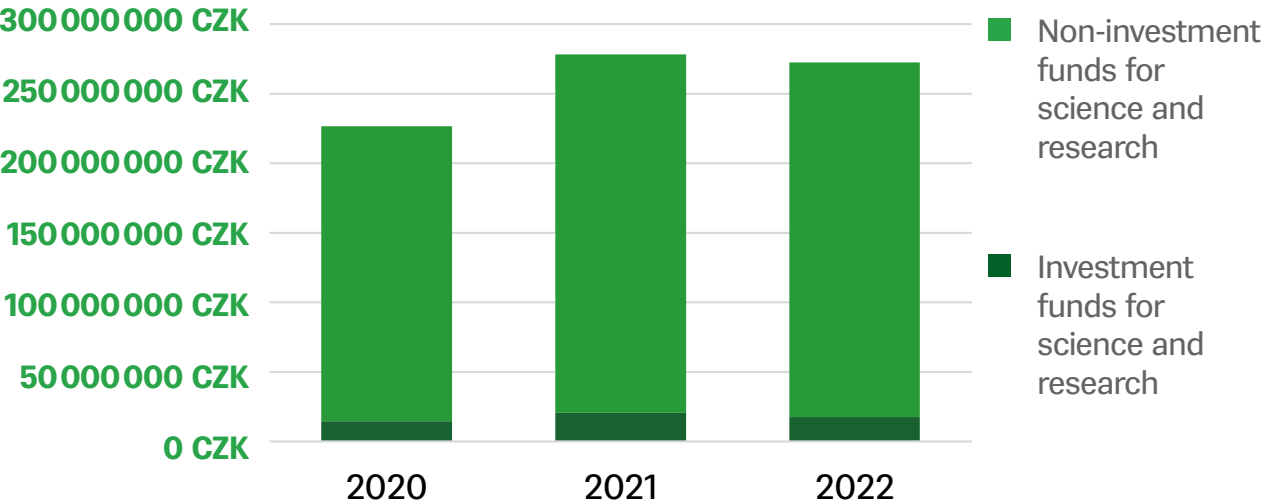
## Total AA revenues 2018–2022



## Total funds spent on educational activities 2020-2022



## Total funds spent on scientific and research activities 2020-2022



## Other sources of funding for FLD activities

Other resources of financing FLD activities were funds obtained within the projects of GACR, TACR, NAZV, OP VVV, within contract research, and our own activities. In 2022, FLD managed non-investment funds totalling **392,128,984.64 CZK** and made investments of **155,151,579.54 CZK**.

# FLD staff structure

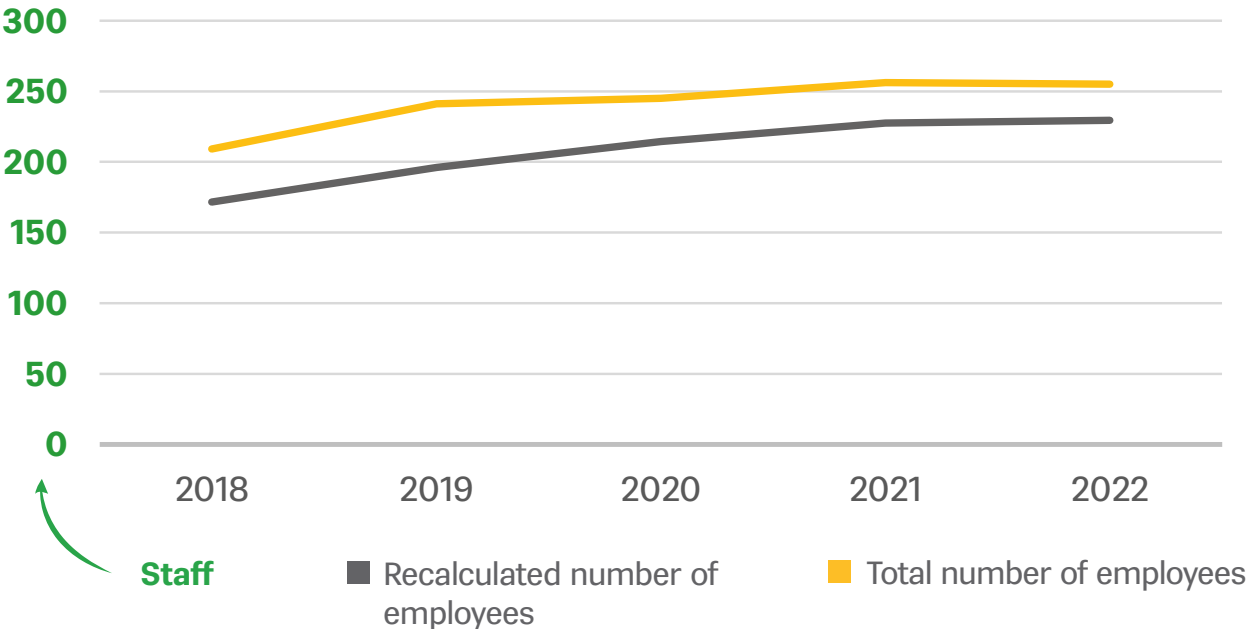
## Changes in academic positions,

in particular, the declines in the number of recalculated hours of professors and associate professors, are due to their participation in operational programmes, while the increase in the number of researchers is due to the recruitment of new and existing employees to positions in operational programmes.

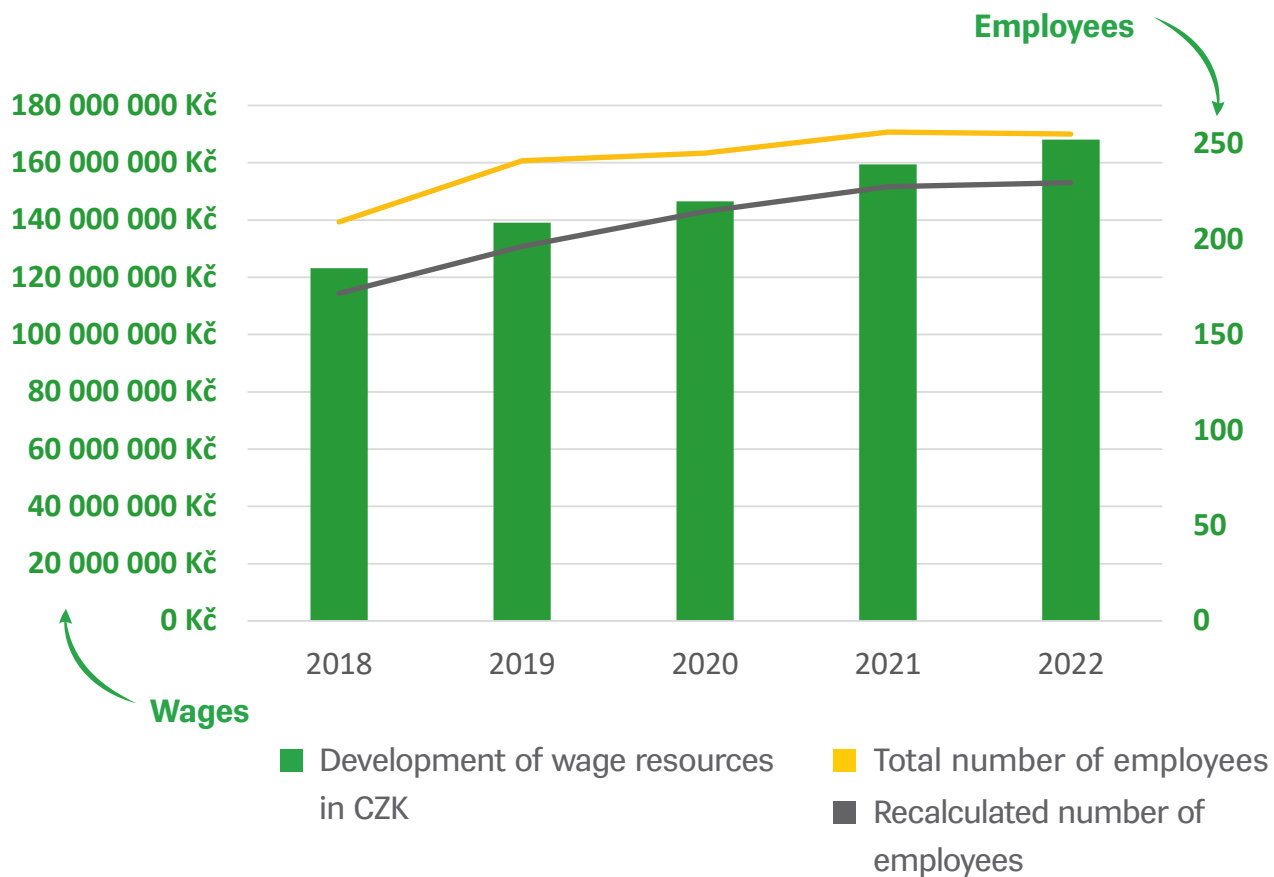
The Faculty qualification structure expressed by the ratio of professors to associate professors and to assistant professors in 2022 was 14% : 28% : 64%. The objective set in previous years, namely to achieve a 45% proportion of professors and associate professors in the total number of academic staff, was not achieved in 2022. This was due to circumstances beyond FLD's control as an employer.

The recalculated proportion of the hours of academic staff with foreign citizenship is 29.57% of the total number of academic staff's hours.

## Development of the number of FLD employees 2018–2022



## Development of funds for wages and employees 2018–2022

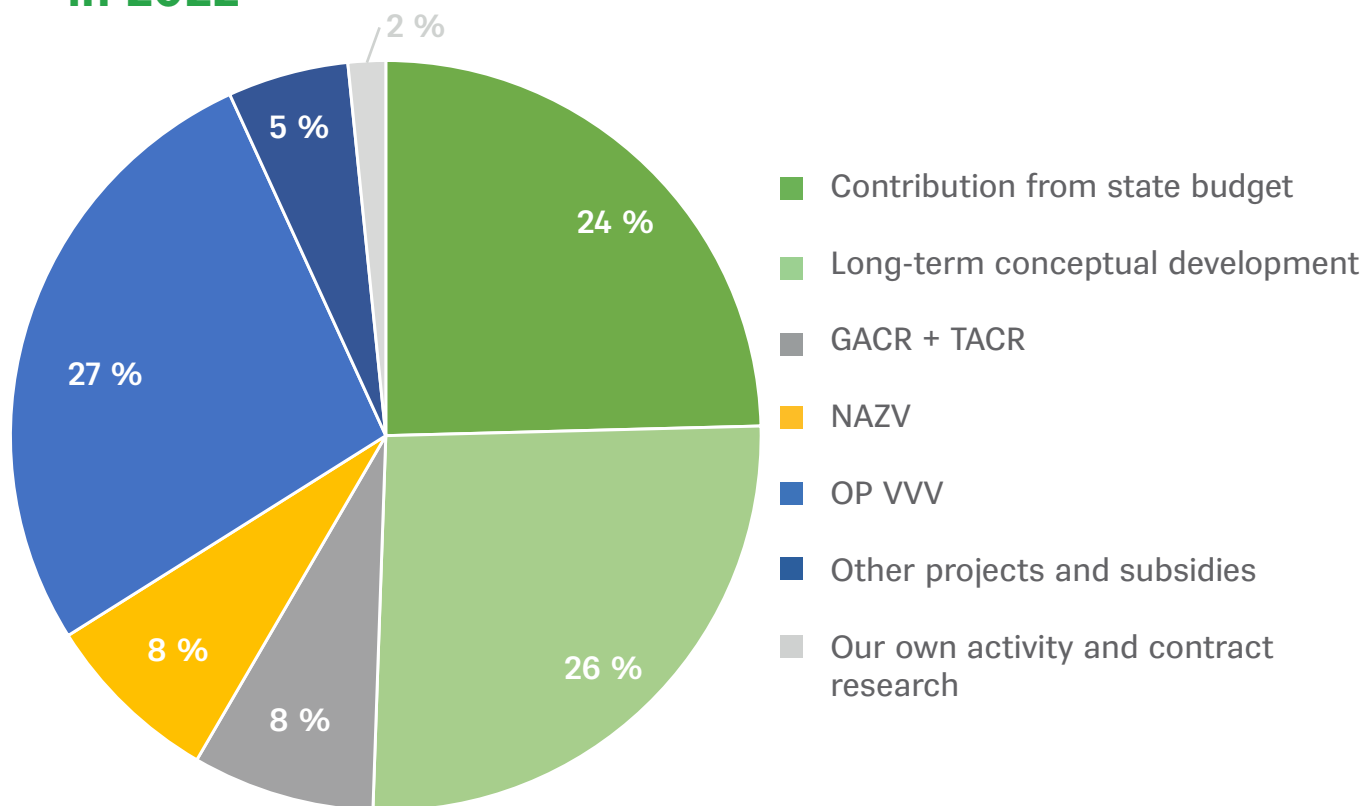


155

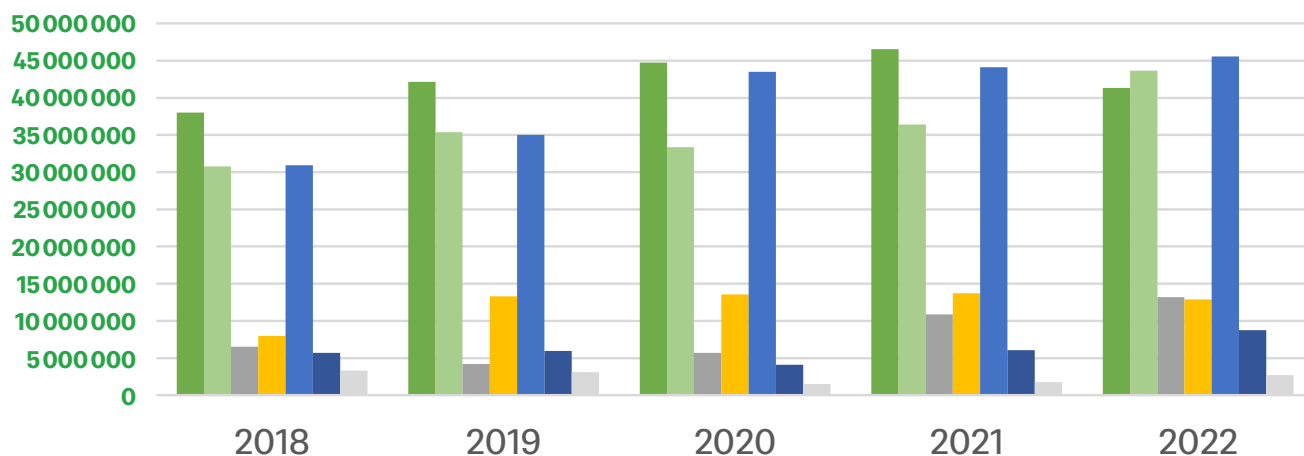
74



## Wage financing structure in 2022



## Development of the structure of resources for wage financing 2018–2022



Wages in CZK

Proportion of resources for wage financing









**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 2022, 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, a

regional round, and a national round of this competition. A workshop, shooting competitions, lectures at schools, a cross-country race, and open days were organized for secondary school students. We also participated in the Silva Regina, Natura Viva, For Wood, 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 en-

joy 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 other informational publications

A novelty in 2022 was the publication of the first issue of the "Listy z lesa" magazine, whose aim is to present to the general public how modern as well as attractive the field of forestry and wood technology is. "Listy z lesa" present interesting scientific findings in a popular-science format and

the environment of FLD students and employees. It also features interviews with our students and alumni, several pages of entertainment for children, and game recipes. 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 2022. Newsletter for Practice was published once in 2022. It was available to the professional public not only on the Faculty's website, but also as a supplement to the May issue of the "Lesnická práce" magazine, so that the FLD outputs can be more easily applied in forestry 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 2022, the painting called *Trees* by the author Dagmar Matějková was purchased. The Faculty also organized a collection for the partner forestry school from the Ukrainian city of Khust. Thanks to the involvement of our employees, students and friends of the Faculty, we complied with the request of this partner school and delivered material aid to Ukraine.



## Videos and podcasts

In 2022, we continued to create audio-visual outputs promoting study opportunities, instrumentation, modern Faculty facilities, scientific outputs, and events. For example, a video promoting the activities of the Student Hunting Association was created. The videos are published on the official Czech (FLDvPraze) and English (Faculty of Forestry and Wood Sciences CZU Prague) YouTube channel.

As part of the university Podcast full of life, our Faculty regularly published contributions on professional topics, such as the use of drones in forestry and telemetric monitoring of wildlife.



## 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, from the forest fire in Bohemian Switzerland National Park, to

the bark beetle outbreak, drought, hunting issues, and our international projects. In total, the Faculty was mentioned in the Czech media 181 times. These included television reports, radio programmes, articles in newspapers, magazines, and on the Internet.



# EVENTS CALENDAR 2022

**January/  
February**  
2022



## **Open days**

Event for study applicants and the public

## **Film screening with discussion**

Event for the general public

## **Hunting workshop**

Event for secondary school students

## **IFSA Interim Meetin**

Event of the Student Interest Association

## **Visits to secondary forestry schools**

Lectures about studies

---

## **Open Day**

Event for applicants and the public

## **ForWood**

Trade fair

## **Student competition in hunting horns and deer luring**

Student competition

## **Silva Regina**

Trade fair

## **Earth Day – Kolín**

Event for the general public

## **Earth Day – Prague**

Event for the general public

## **YPEF Regional Round**

Competition for primary and secondary school students

---

**March/  
May**  
2022





**June/  
August  
2022**



**Garden party**

Event for CZU graduates and the general public

**Forest pedagogy programmes**

Event for kindergarten and elementary school children

**Forester Rang Memorial Unveiled**

Event for the professional public

**Attention management lecture**

Event for FLD students and staff

**Visits to foreign universities at FLD**

International cooperation

**Conference Hunt of the Year**

Event for the professional public

**Meeting of the FLD Dean with partners and friends of the Faculty**

Event for FLD partners

**Open Gates Day and Open Forests Day at ŠLP**

Event for the general public

**YPEF National Round**

Competition for primary and secondary school students

**ScienceFest**

Event for the general public

**"Země Živitelka"**

Trade fair

**International Student Symposium in Chile**

Meeting of students within the IFSA association

---

**FLD Family Day**

Event for employees and PhD students

**Visit to school forestry enterprises at FLD**

International cooperation

**FLD Summer School in Romania**

Event for FLD students

**Tree Day – Kunratice forest**

Event for the general public

**ELLS conference**

Meeting of universities

**September/  
October  
2022**





**Wood Science Day**  
Event for the professional public

**Night of Scientists**  
Event for the general public

**You cannot run away from the Dean or Forestry 15"**  
Competition for secondary school and university students and the general public

**Meeting with teachers**  
Event for FLD teachers

**REFOREST meeting**  
International cooperation

**Fem4Forest meeting**  
International cooperation

**A day with hunters**  
Event for the general public

**A beer with the Dean**  
Event for FLD students

**Summer school at FLD**  
Event of the Student Interest Association

**ICT for teaching**  
Course for FLD teachers

---

**Open Day**  
Event for study applicants and the public

**OCSC International Education EXPO Bangkok**  
International fair of universities

**Rector's Cup**  
Competition of the Hunters Association at FLD

**Christmas concert**  
Event for staff, students, and FLD partners

**Meeting of the FLD academic community**  
Event for FLD employees, PhD students, and students

**Pre-Christmas meeting of employees and PhD students**  
Event for FLD employees and PhD students





Published by Faculty of Forestry and Wood Sciences, CZU in Prague  
**Prague, July 2023**