MINISTERSTVO ŠKOLSTVÍ, MLÁDEŽE A TĚLOVÝCHOVY

SELF-EVALUATION REPORT MODULE 3

EVALUATED UNIT: MIAS SCHOOL OF BUSINESS, CZECH TECHNICAL UNIVERSITY

FORD: 5. SOCIAL SCIENCES

MINISTERSTVO ŠKOLSTVÍ, MLÁDEŽE A TĚLOVÝCHOVY

MODUL 3 SOCIAL RELEVANCE

SOCIAL RELEVANCE / SOCIAL BENEFIT OF THE EVALUATED UNIT[1]

3.1 General self-assessment of the social benefit of R&D&I in the fields of research at the evaluated unit, and of the evaluated unit as a whole

The evaluated unit gives a concise, general but informative account of the benefit of R&D&I in the fields in the 2014–2018 reporting period.

Self-evaluation: The MIAS School of Business, Czech Technical University (MIAS) underwent a turnabout in 2015, marked by a significant inflow of new academic employees with the aim of improving its educational and research perspectives. From the point of view of publication activity and external research projects, this structural change began to bring about the desired changes in 2016/2017. However, most of the current applied research projects only began receiving grants in 2018, see Table 3.2.1.
This fact translates directly into the perspective from which the following assessment is carried out. Our report is much more focused on the potential of the current applied research projects than on definitive results, which are missing due to the history of the MIAS, which as outlined above. More information on the history of the MIAS is supplied in the link below.
The focus of the MIAS is on social sciences, namely on Economics and Business, Education, and Social and Economic Geography. These branches of the social sciences reflect the areas in which the MIAS offers undergraduate and graduate degrees. One of the goals of the R&D strategy is to focus directly on these areas with the aim of connecting the educational and research activities.
From the point of view of applied research projects, the two key and interlinked projects dealt with urban planning with the focus on the current problems in the Czech Republic, see below. The main outputs of these projects were two certified methodologies. As far as contract research is concerned, there have been two projects financed by the Prague City Hall, one focused on setting up a model of medical care, while the other project deals with the commercialization of new educational methods, with the perspective of further cooperation.

HTML links to additional documentation: https://www.mias.cvut.cz/114-about-us

APPLIED RESEARCH PROJECTS

3.2 Applied research projects [2]

[1] *In accordance with Section 22(1) of Act No 111/1998 on universities, amending certain acts (the Universities Act), as amended.*
[2] *Under Section 2(1)(b) of Act No 130/2002, applied research is theoretical and experimental work aimed at gaining new knowledge and skills for the developing of new or substantially improved products, processes or services; applied research*

The evaluated unit presents a maximum of the five most significant (from the perspective of evaluated unit) applied research projects in the 2014–2018 reporting period from the complete list in the appendix (tables 3.2.1 and 3.2.2), particularly with regard to the results achieved or a project's potential for application.

Self-evaluation: The goal of the project "Modern and Effective Urban Planning: Density & Economy" was to create a certified methodology for land use planning, so that it will be possible to build compact and ecological cities with minimum demands on land and on the environment in general. The certified methodology was developed directly in cooperation with the Prague Institute of Planning and Development (PIPD), so that the potential for applicability is high. However, the fact that the methodology was created with the help of the PIPD does not preclude its applicability in other Czech cities. The methodology is based on data which were obtained in every region of the Czech Republic. The methodology is referred to further below. It can be accessed via the link in the last table. However, the documentation has been published only in Czech language.

The goal of the project "Improvement of systems and processes for permitting new construction in Prague: affordable housing", which is due to be completed in the summer of 2020, was to develop proposals for changes in legal regulations. A further aim was to develop changes of a non-legislative nature for the authorization of new construction in Prague based on a comprehensive assessment of the current state of decision-making mechanisms and also based on a comparative analysis with similar cities in nearby countries. One of the criteria for the proposed changes was to promote a type of development that could counteract the widening of the social gap. This project, too, is based on direct participation of the PIPD, which means that there is a relatively high probability that the results will be applied. In this case, however, it is too early to present the key outcomes.

In 2018, the MIAS led a research project funded by the Ministry of Industry and Trade under the title "A study of selected providers of information society services in the Czech Republic within Society 4.0". The project was completely administered by the Technology Agency of the Czech Republic within the framework of the BETA programme of public procurement in research, experimental development and innovation for the government. The goal of the project was to prepare a proposal for a methodology for assessing the possible impact of the information society on the provision of services with respect to online access to audiovisual and non-audiovisual content in the event that European Commission Recommendation 2018/334 is translated into the national legislation. The underlying research was carried out and the methodology was formed in direct contact with the Ministry of Industry and Trade, and the final results were approved by the Ministry. The results of the project are therefore highly applicable. The methodology may be accessed via the link given in the last table. However, the documentation has been published only in Czech language.

In 2018, the MIAS received a grant for a project that may have a high level of applicability, under the title "Integration of children from foster care into society, and their adaptation to the labor market". The goal of the project is to investigate the economic, sociological and psychological factors that determine how successfully children brought up in a public care institution integrate

includes industrial research or experimental development, or a combination of both. Under Article 2 of Commission Regulation (EU) No 651/2014 of 17 June 2014 declaring certain categories of aid compatible with the internal market in application of Articles 107 and 108 of the Treaty, industrial research means planned research or critical investigation aimed at the acquisition of new knowledge and skills for developing new products, processes or services, or for bringing about a significant improvement in existing products, processes or services. It comprises the creation of component parts of complex systems, and may include the construction of prototypes in a laboratory environment or in an environment with simulated interfaces to existing systems as well as of pilot lines, when necessary for the industrial research and notably for generic technology validation; experimental development means acquiring, combining, shaping and using existing scientific, technological, business and other relevant knowledge and skills with the aim of developing new or improved products, processes or services. This may also include, for example, activities aiming at the conceptual definition, planning and documentation of new products, processes or services.

into the labour market and, in broader terms, into society as a whole. The research team consists of specialists from the fields of economics, sociology and psychology. This is a topic that has not been studied in depth before in the Czech Republic. The project is due to be completed in 2022, and it is too early to evaluate the applicability of its outcomes.
In 2018, the MIAS was awarded a grant for a project with a possible high level of applicability, under the title "Development of the digital competences of teachers of social sciences at secondary vocational schools". The goal of the project is to set up a framework within which teachers at secondary vocational schools will be able to develop and broaden their digital competencies and be ready to pass them on to their students. The project is carried out in cooperation with the National Institute for Education, and this increases the probability that the results will be applicable. The project is due to be completed in 2021. It is therefore too early to evaluate the applicability of the results.

HTML links to additional documentation:

3.3 Contract research [3]

The evaluated unit briefly comments on revenues from contract research for the 2014–2018 reporting period from the complete list in the appendix (tables 3.3.1 and 3.3.2).

Self-evaluation: The level of revenues received by the MIAS for contract research reflects the low level of demand for research in the social sciences. Most of the other faculties and other parts of CTU work on technical sciences, and are able to generate much more funding for various types of research projects.

HTML links to additional documentation:

3.4 Revenues from non-public sources (besides grants or contract research) from research work

The evaluated unit briefly comments on revenues for the 2014–2018 reporting period for R&D&I from non-public sources, besides grants or contract research (e.g. licences sold, spin-off revenues, gifts, etc.). It presents a complete list in the appendix (table 3.4.1).

Self-evaluation: Not applicable.

HTML links to additional documentation:

[3] For a definition of contract research for the purposes of evaluation in the universities sector, see Article 2.2.1 of the Community framework for State aid for research and development and innovation (2014/C 198/01).

APPLIED RESEARCH RESULTS

3.5 Applied research results with an existing or prospective economic impact on society

The evaluated unit briefly comments on a maximum of the five most significant (from the perspective of the evaluated unit) applied research results that have already been applied in practice, or that will realistically be applied, in the 2014–2018 reporting period from the overview in the appendix (table 3.5.1).

Self-evaluation: There are two certified methodologies. "Density and Economy of a City" was published within the "Modern and Effective Urban Planning: Density & Economy" program. "Social housing - preparation of projects" formed a part of the "Models of social housing, their spatial parameters and quality criteria" program, led by the Faculty of Architecture, in which the MIAS participated.
One study was published within the project "A study of the selected providers of information society services in the Czech Republic the Society 4.0".
A study with key participation of Jana Krajčová, a MIAS researcher, was published in 2018 under the title: "Czech teachers' intellectual skills in international and generational comparison"(https://idea.cerge-ei.cz/files/IDEA_Studie_10_2018_Intelektualni_dovednosti_ceskych_ucitelu/mobile/index.html**).**
However, only the study by Jana Krajčová has been published in English language and therefore is referred to.

HTML links to additional documentation:

3.6 Significant applied research results with an impact other than an economic one on society

The evaluated unit gives a concise account of a maximum of the five most significant (from the perspective of the evaluated unit) applied research results with an impact other than an economic one on society in the 2014–2018 reporting period (typically results from disciplines in the humanities and social sciences) from the overview in the appendix (table 3.6.1).

Self-evaluation: Not applicable.

HTML links to additional documentation:

COOPERATION WITH THE NON-ACADEMIC ENVIRONMENT AND TECHNOLOGY TRANSFER

3.7 The evaluated unit's most significant interactions with the non-academic application/corporate sphere

The evaluated unit gives a concise account of the most typical users of its outputs. It explains whether and how it identifies them and how it works with them. It provides examples of a maximum of ten of the most significant interactions with the non-academic environment in the 2014–2018 reporting period.

Self-evaluation: Most applied research is done for the needs of public bodies and receives funding from. These public bodies are the main users.

HTML links to additional documentation:

3.8 System and support of technology transfer and intellectual property protection (can be extended to the whole university, emphasising the specific features of the evaluated unit)

The evaluated unit gives a concise account of its system of technology transfer. It conducts an evaluation of the quality of its applied research and the effectiveness of technology transfer using the data presented in the appendix (table 3.5.1). This commentary will highlight the number of filed and granted patents (Czech and international) and licences sold.

Self-evaluation: Not applicable.

HTML links to additional documentation:

3.9 Strategy for setting up and support of spin-off firms or other forms of commercialization of R&D&I results (can be extended to the whole university, emphasising the specific features of the evaluated unit)

The evaluated unit gives a concise account of the practical use of its intellectual property in the form of setting up spin-off firms or other forms of commercialising R&D&I results (both with or without the participation of the university) established by the evaluated unit (university), another entity controlled by the evaluated unit (university), or an employee of the evaluated unit, presenting the model for their functioning and coordination, and control of intellectual property management of the evaluated unit (university).

Self-evaluation: Not applicable.

HTML links to additional documentation:

RECOGNITION BY THE SCIENTIFIC COMMUNITY

3.10 The most significant individual awards for R&D&I

The evaluated unit presents a maximum of ten examples of the most significant R&D&I awards received (in the Czech Republic and in other countries) in the 2014–2018 reporting period.

Self-evaluation: Not applicable.

HTML links to additional documentation:

3.11 Recognition by the international R&D&I community

The evaluated unit provides the following information / examples demonstrating recognition by the international scientific community in the 2014–2018 reporting period, with a commentary:
It presents a maximum of ten examples of its academic staff's participation on the editorial boards of international scientific journals (e.g. editor, member of the editorial board) in the appendix (table 3.11.1),
It presents a maximum of ten examples of the most significant invited lectures by the evaluated unit's academic staff abroad in the appendix (table 3.11.2),
It presents a maximum of ten examples of the most significant lectures by foreign scientists and other guests relevant to the R&D&I field in the appendix (table 3.11.3),
It presents a maximum of ten examples of the most significant elected memberships of professional societies (table 3.11.4).

Self-evaluation: Not applicable.

HTML links to additional documentation:

POPULARISATION OF R&D&I

3.12 The most significant activities in the popularisation of R&D&I and communication with the public

The evaluated unit gives a concise account of its main activities in the area of popularisation of R&D&I and communication with the public in the 2014–2018 reporting period, and presents a maximum of ten examples that it considers the most significant.

Self-evaluation: Not applicable.

HTML links to additional documentation:

APPENDICES (TABLES)

3.2 Applied research projects

3.2.1 Projects supported by a provider from the Czech Republic

As the beneficiary						
Provider	Project title	Support (EUR thousand)				
		2014	2015	2016	2017	2018
TA CR	Integration of children from foster care into society and their adaptation to the labor market					0
TA CR	Development of the digital competences of teachers of social sciences at secondary vocational schools					33
TA CR	Improvement of systems and processes for permitting new construction in Prague: affordable housing					82
TA CR	A study of selected providers of information society services in the Czech Republic within Society 4.0 (within The BETA programme of public procurement in research, experimental development and innovation for the government)					38
TA CR	Modern and Effective Urban Planning: Density & Economy			48	49	
Total				48	49	153
As another participant						
Provider	Project title	Support (EUR thousand)				
		2014	2015	2016	2017	2018
Total						

3.2.2 Projects supported by a provider from another country

As the beneficiary						
Provider	Project title	Support (EUR thousand)				
		2014	2015	2016	2017	2018
Total						
As another participant						
Provider	Project title	Support (EUR thousand)				
		2014	2015	2016	2017	2018
Total						

3.3 Contract research

3.3.1 Research work contracted by a client from the Czech Republic

Client	Research title	Revenues (EUR thousand)

		2014	2015	2016	2017	2018
Dopravní podnik hl.m. Prahy, a.s.	Vytvoření ekonomického modelu lékařské péče v Dopravním podniku hl. m. Prahy, a.s. (Creation of an economic model of medical care in Dopravní podnik hl. m. Prahy, a.s.)					8
ŠKODA AUTO, a.s.	Projekt na zlepšení kvality práce v organizační jednotce Logistika OD/příslušenství pro ŠKODA AUTO, a.s. Fáze 3 (A project to improve the quality of work in the Logistics OD / Accessories unit, for ŠKODA AUTO, a.s., Phase 3)					11
Magistrát hlavního města Prahy (Prague City Hall)	Příprava komercionalizace nových metod vzdělávání pro potřeby digitální ekonomiky a průmyslu 4.0 (Preparing the commercialization of new education methods for the needs of the digital economy and industry 4.0)				111	110
Total					111	129

Note: List and describe contract research work with the revenue for the calendar year in question.

3.3.2 Research work contracted by a foreign client

Client	Research title	Revenues (EUR thousand)				
		2014	2015	2016	2017	2018
Total						

Note: List and describe contract research work with the revenue for the calendar year in question.

3.4 Revenues from non-public sources (besides grants or contract research)

3.4.1 Overview of revenues from non-public sources raised for the 2014–2018 reporting period

Revenue type	Revenues (EUR thousand)				
	2014	2015	2016	2017	2018
Total					

Note: List funds for R&D&I from non-public sources, besides grants or contract research (e.g. licences sold, spin-off revenues, gifts, etc.) in each calendar year.

3.5 Applied research results with an economic impact on society

3.5.1 Overview of applied research results in the 2014–2018 reporting period

List and describe the results that have already been applied in practice, or that will realistically be applied, with an existing or prospective economic impact on society. Under “patents” and “licences sold”, list all the results; under other results list a *maximum* of five items. Unless otherwise specified below, the definition of a result must correspond

to the definitions under the Methodology for Evaluating Research Organisations and Research, Development and Innovation Purpose-Tied Aid Programmes, Appendix No 4: Definitions of Types of Results.

Results	Year	Title
European patent		
American patent		
Czech licenced patent		
Other foreign patents		
Licences sold		
Significant analyses / surveys / studies	2018	Intelektuální dovednosti českých učitelů v mezinárodním a generačním srovnání (Czech teachers' intellectual skills in international and generational comparison) - a study :
	2018	Hustota a ekonomika města (Density and Economy of a City) – certified methodology
	2018	A study of selected providers of information society services in the Czech Republic within Society 4.0 – a study
	2017	Sociální bydlení - příprava projektů (Social housing - preparation of projects) - certified methodology
Spin-off with a stake held by the evaluated unit		
Spin-off with no stake held by the evaluated unit		
Prototypes		
Varieties and breeds		
Other		

Note: “Licence” refers to a licence for a result of R&D&I in the broadest sense of the word (licences for patents, utility models, industrial designs; copyright licences for software and other works, and any other licences).

For the purposes of this methodology, a “spin-off” is a juridical person established to commercialise knowledge, usually with the inclusion/transfer of the rights to this knowledge to such juridical person. List all instances of legal persons.

3.6 Significant applied research results with an impact other than an economic one on society

3.6.1 Overview of applied research results for the 2014–2018 reporting period with an impact other than an economic one on society

Result type	Name	Anticipated impact

Note: List and describe a maximum of five results (in line with the Definitions of Types of Results) that have already been applied in practice, or that will realistically be applied. These are typically results from disciplines in the humanities and social sciences, for which you should briefly describe their anticipated impact.

3.11 Recognition in the international R&D&I community

3.11.1 Participation of the evaluated unit's academic staff on the editorial boards of international scientific journals in the 2014–2018 reporting period

Name, surname and title(s) of the evaluated unit's member of staff	Title, publisher, city(-ies) and country(-ies) of origin of the scientific journal

Note: List a maximum of ten examples of academic staff's participation on the editorial boards of international scientific journals (e.g. editor, member of the editorial board, etc.).

3.11.2 The most significant invited lectures by the evaluated unit's academic staff at institutions in other countries during the 2014–2018 reporting period

Name, surname and title(s) of the evaluated unit's member of staff	Invited lecture title	Name of the host institution, conference or other event

Note: List a maximum of ten examples.

3.11.3 The most significant lectures by foreign scientists and other guests relevant to the R&D&I field at the evaluated unit during the 2014–2018 reporting period

Name, surname and title(s) of the lecturer	Lecturer's employer at the time of the lecture	Invited lecture title

Note: Relevant solely for the R&D&I field. List a maximum of ten examples.

3.11.4 The most significant elected membership in foreign of professional societies relevant to the R&D&I field at the evaluated unit during the 2014–2018 reporting period

Name, surname and title(s) of the evaluated unit's member of staff	Name of professional society	Type of membership

Note: List a maximum of ten examples.

SUMMARY LIST OF ADDITIONAL DOCUMENTATION IN MODULE M3

Document Title	Criterion	Location (HTML link)
Czech teachers' intellectual skills in international and generational comparison		https://idea.cerge-ei.cz/files/IDEA_Studie_10_2018_Intelektualni_dovednosti_ceskych_ucitelu/mobile/index.html