

PROGRAM DELA H KANDIDATURI ZA DIREKTORJA

Inštituta Andrej Marušič
Univerze na Primorskem (UP IAM)

Vito Vitrih

V iztekajočem se mandatu je bil na UP IAM velik poudarek namenjen predvsem

- **Uspešnemu finančnemu poslovanju**

Vsa leta iztekajočega se mandata je UP IAM bilančno zaključil s presežkom prihodkov nad odhodki. Ustvarjene presežke bomo usmerili v razvoj raziskovalne dejavnosti na UP IAM, v nakup raziskovalne opreme in v razvoj študijskih programov tretje stopnje na Univerzi na Primorskem.

- **Uspešnemu prijavljanju in izvajanju projektov**

Med najpomembnejše dosežke v tem času nedvomno sodijo:

§ Izvajanje največjega raziskovalnega projekta, kadarkoli pridobljenega na Univerzi na Primorskem. Gre za Teaming projekt za vzpostavitev Centra odličnosti za raziskave in inovacije na področju obnovljivih materialov in zdravega bivanjskega okolja (InnoRenew CoE), katerega domena je na Oddelku za tehnologijo. Pridobljenih je bilo 15 milijonov evrov nepovratnih sredstev Evropske Komisije in 30 milijonov investicijskih sredstev s strani MIZŠ. V letu 2021 bo UP IAM (tokrat kot partner) ponovno sodeloval v prijavi Teaming projekta. Vodilni in tuji partner bosta tokrat Innorenew CoE in Univerza v Helsinkih.

§ Pridobitev novega ARRS raziskovalnega programa "Matematično modeliranje in enkripcija: od teoretičnih konceptov do vsakodnevnih aplikacij" na Oddelku za matematiko.

§ Prijava novega ARRS raziskovalnega programa v letu 2021 (kot edina članica UP), in sicer na področju obnovljivih materialov za zdrava grajena okolja.

- **Uspešnemu sodelovanju z UP FAMNIT**

Sodelovanje se dogaja na osnovi Memoranduma o medsebojnem sodelovanju na področjih skupnega interesa med UP FAMNIT in UP IAM na več ravneh:

§ Trenutno na obeh članicah skupaj izvajamo okrog 120 projektov, tako nacionalnih kot mednarodnih.

§ Kljub majhnemu številu programskih skupin izobražujemo v letu 2021 kar 10 mladih raziskovalcev, kmalu pa bodo z izobraževanjem začeli še trije novi.

§ Imamo uspešen model skupnih strokovnih služb na številnih področjih, kar prinese tako finančni prihranek kot tudi učinkovitejše delovanje.

§ Imamo skupne interese pridobivanja novih prostorskih kapacitet za naše raziskovalce in učitelje. Največja pridobitev v zadnjih letih je seveda nakup stavbe na Glagoljaški. V prihodnje načrtujemo nakup prvega in drugega nadstropja stavbe Galeb (pritličje smo kupili leta 2015).

§ Sodelovali smo pri akreditiranju novih doktorskih študijskih programov 3. stopnje:

- * Suicidologija in duševno zdravje,

- * Obnovljivi materiali za zdrava grajena okolja.

§ Naši sodelavci so bili v zadnjih letih prejemniki lepega števila Zoisovih priznanj in nagrad (9 v zadnjih 9 letih).

§ V zadnjih dveh letih smo pridobili 5 prilagojenih ARRS projektov na osnovi ocene B pri prijavi na razpis za štipendijo ERC Advanced Grant.

• **Izvedbi 8. evropskega matematičnega kongresa**

Kongres je bil glede na število udeležencev in izpeljanih dogodkov največji evropski matematični kongres do sedaj. Znanstvenega srečanja, ki je potekalo kombinirano prek interneta in v živo, se je udeležilo 1.771 matematikov iz 77 držav. Kongres je gostil nekatera največja imena s področja matematike, med drugimi Abelovega nagrajenca prof. dr. Lászla Lovásza in predsednika Evropskega raziskovalnega sveta, akademika prof. dr. Jean-Pierre Bourguignona.

Poleg zagotavljanja kontinuitete na zgoraj navedenih področjih, bodo ključne prioritete v prihodnjem mandatu:

✘ **Preoblikovanje UP IAM v UP DAM**

Žal se v iztekajočem se mandatu preoblikovanje UP IAM v fakulteto, in sicer Doktorsko šolo Andrej Marušič (UP DAM), zaradi številnih razlogov ni realiziralo. Z željo po preoblikovanju bomo nadaljevali vse do njene uresničitve. Doktorska šola bo ob ustanovitvi prevzela izvajanje štirih doktorskih programov, in sicer Matematične znanosti, Računalništva in informatike, Suicidologije in duševnega zdravja ter Obnovljivih materialov za zdrava grajena okolja. S pomočjo UP DAM bo Univerza na Primorskem okrepila mednarodno prepoznavnost in postala zaželjena destinacija za doktorski študij.

✘ **Raziskovanje na UP IAM**

Infrastrukturni program je v iztekajočem se mandatu močno okrepljen in izboljšal raziskovalno infrastrukturo na UP IAM. Izboljšanje raziskovalnih pogojev, tako prostorskih kot z vidika raziskovalne opreme, bo zaposlenim pripomoglo do še povečanja števila kvalitetnih znanstvenih objav ter posledično aktivnih udeležb na odmevnih mednarodnih znanstvenih dogodkih. Vsa potrebna in željena pozornost bo namenjena vsem raziskovalcem pri prijavljanju in izvajanju tako nacionalnih kot mednarodnih projektov. Poseben cilj, v sodelovanju z UP FAMNIT, je pridobitev prvega ERC projekta na Univerzi na Primorskem.

✘ **Izpolnjevanje srednjeročne razvojne strategije UP na UP IAM**

- ◊ UP IAM je vodilna članica na področju internacionalizacije, saj je med raziskovalci zaposlenih kar 34 odstotkov tujcev, kar je znatno več kot na nivoju celotne UP, ker je ta delež 11 odstoten.
- ◊ Raziskovalci na UP IAM že sedaj presega jo določene strateške cilje Univerze na Primorskem na področju števila SCI objav. Tudi v prihodnje bomo skrbeli, da dvigujemo povprečje na nivoju celotne UP.
- ◊ Na UP IAM je zaposlena prejemnica Marie Skłodowske-Curie (MSCA) štipendije. Prav tako sta dva zaposlena na UP IAM mentorja MSCA štipendistom. S tem UP IAM pripomore pri uresničevanju strategije na področju znanstvene odličnosti.
- ◊ Na UP IAM ves čas posebno skrb namenjamo uravnoteženi kadrovske strukturi in skrbi za raziskovalni podmladek, predvsem preko mladih raziskovalcev in podoktorskih raziskovalcev. Še naprej bomo pozornost posvečali ustvarjanju karier mlajših raziskovalcev in nadaljevali z aktivno politiko štipendiranja perspektivnih mladih študentov, ki predstavljajo naš potencialen kader oziroma še prej potencialne bodoče študente UP DAM.
- ◊ Na UP IAM bomo tudi v prihodnjem mandatu sledili ciljem srednjeročne razvojne strategije UP in skrbeli za njihovo uresničevanje.

✘ Organizacija mednarodnih konferenc

Še naprej bomo aktivno sodelovali pri organizaciji odmevnih mednarodnih konferenc in poletnih šol. Med večje dogodke v bližnji prihodnosti zagotovo spadata konferenca Woodrise 2022, ena od najpomembnejših svetovnih konferenc s področja sodobnega trajnostnega gradbeništva, ki bo potekala pod častnim pokroviteljstvom predsednika Republike Slovenije, ter 32. Svetovni kongres Mednarodne zveze za preprečevanje samomora (IASP), ki ga bomo organizirali leta 2023.

✘ Center CORA na UP IAM

Center za Oblikovanje in Razvoj Aplikacij je v iztekaajočem se mandatu razvijal in skrbel za številne informacijske rešitve (med njimi najpomembnejši aplikaciji UNIS in Potni nalogi) za UP IAM in UP v celoti. Center bo tudi v prihodnje nadaljeval z zagotavljanjem in nadgrajevanjem lastnih aplikacij za Univerzo na Primorskem.

✘ Strokovne službe UP IAM

Nadaljevati želimo z modelom skupnih strokovnih služb UP IAM in UP FAMNIT, ki je bil v zadnjih letih še izpopolnjen z združitvijo nekaterih prej ločenih služb. Narediti moramo ponoven razmislek, kje so še morebitne kadrovske rezerve in kje je nujno poiskati dodatne okrepiteve.

✘ Sodelovanje z gospodarstvom

Spodbujali bomo sodelovanje z gospodarstvom, kjer je obseg dejavnosti iz različnih razlogov v zadnjih letih nekoliko upadel. Cilj je povečati tržne prihodke v naslednjih letih.

Koper, 13. 9. 2021

prof. dr. Vito Vitrih

WORK PROGRAMME FOR THE CANDIDATURE FOR THE POSITION OF DIRECTOR

Andrej Marušič Institute
University of Primorska (UP IAM)

Vito Vitrih

In the outgoing term of office UP IAM placed great emphasis on:

- **Successful financial management**

UP IAM ended all the years of its outgoing mandate with a surplus of revenue over expenditure. All the generated surpluses will be directed towards the development of research activities at UP IAM, the investment in research equipment, and the development of doctoral study programmes at the University of Primorska.

- **Successful project application and implementation**

The most significant achievements in recent years include:

- § The implementation of the largest research project ever awarded to the University of Primorska. UP IAM's Department of Technology was funded for a Teaming project which aimed at establishing a Centre of Excellence for Research and Innovation in the field of Renewable materials and Healthy living environment (InnoRenew CoE). The grant secured 15 million euros from the European Commission, and another 30 million euros of investment funds from the Ministry of Education, Science and Sport. In 2021 UP IAM will again participate in the application of a new Teaming project, but this time only as a partner. Innorenew CoE and the University of Helsinki will be applying as the leading, and the foreign partners.
- § Obtaining a new ARRS research program "Mathematical modelling and encryption: from theoretical concepts to everyday applications" within the Department of Mathematics.
- § As the only member of UP, the institute applied for a new ARRS research program in the field of Renewable materials for healthy built environments.

- **Successful collaboration with UP FAMNIT**

A cooperation based on the Memorandum of Mutual Cooperation in Areas of Common Interest between UP FAMNIT and UP IAM:

- § Both institutions are currently implementing approximately 120 national, and international projects together.
- § Despite the limited number of research programme groups, we currently have 10 young researchers in training, and are expecting three more young researchers joining the training in 2021.
- § We have a successful model of shared support services in a number of areas, resulting in both financial savings and a more efficient support for our employees.
- § We have a common interest in acquiring new premises for our researchers and teachers. The biggest acquisition in recent years is the obtained ownership of the building on Glagoljaška. In the future, we're planning to purchase the first and second floor of the Galeb building (the ground level floor was purchased in 2015).
- § Participation in the accreditation process of new doctoral study programmes in:
 - * Suicidology and Mental Health,

* Renewable Materials for Healthy Built Environments.

§ In the last 9 years our colleagues have been the recipients of 9 Zois prizes and/or awards.

§ In the past 2 years we have obtained 5 ARRS projects based on a B score grading for the application of ERC Advanced Grant.

• **Organization of the 8th European Mathematical Congress**

In terms of participants number and events organised, this years congress was the largest European Mathematical Congress held so far. The scientific meeting was organised in a hybrid format of online and in-person participation, and the attendance was very high (1.771 mathematicians from 77 countries). The congress hosted some of the biggest names in the field of mathematics, including the Abel's laureate prof. László Lovász, and the President of the European Research Council, academician prof. Jean-Pierre Bourguignon.

In addition to ensuring a steady continuity in the abovementioned areas, the key priorities for the next mandate will be:

✧ **Reorganisation of UP IAM (UP DAM)**

In the outgoing mandate the planned reorganisation of UP IAM, and accreditation of the Doctoral school Andrej Marušič (UP DAM) was unfortunately postponed, but we will continue with our ambition until we secure the establishment of UP DAM. With the aforementioned reorganisation four doctoral programs will be implemented under UP DAM, namely Mathematical Sciences, Computer Science, Suicidology and Mental Health, and Renewable Materials for Healthy Built Environments. With the help of UP DAM, the University of Primorska will strengthen its international recognition, and will become a desirable destination for doctoral studies.

✧ **Research at UP IAM**

The Infrastructure Programme was significantly strengthened, and the research infrastructure at UP IAM was also improved during the outgoing mandate. Improving research conditions, both in terms of space and research equipment, will help increase the number of high-quality scientific publications and, as a result, a more active participation in high-profile international scientific conferences for our employees. All necessary attention will be given to all researchers when applying, and implementing national and international projects. In cooperation with UP FAMNIT, a goal was set - to be awarded with the first ERC project at the University of Primorska.

✧ **Fulfilment of the UP mid-term development strategy at UP IAM**

- ◊ UP IAM is the leading UP member in the field of internationalization as 34 percent of researchers are foreigners, which is significantly higher than the UP's 11 percent.
- ◊ Researchers at UP IAM already exceed certain strategic goals of University of Primorska regarding the number of SCI publications. In the future, we will continue to ensure a steady raise of UP's collective average.
- ◊ A Marie Skłodowska-Curie (MSCA) Fellowship recipient is employed at UP IAM, and two UP IAM staff members are also mentors to MSCA scholarship holders. This contributes to the implementation of the UP strategy in the field of scientific excellence.
- ◊ At UP IAM, we are constantly striving for a balanced staffing structure, and the recruitment of talented researchers through programmes for young researchers, and postdoctoral researchers. We will continue to create careers for young researchers, and follow an active scholarship policy for promising young students who are potentially a prospective hire, or rather, potential future students of UP DAM.

- ◇ We will continue to pursue the objectives of UP's mid-term development strategy, and ensure its implementation in the upcoming mandate.

✠ **Organization of international conferences**

We will continue to actively participate in the organization of high-profile international conferences and summer schools. Major events in the near future include Woodrise 2022, one of the world's most important conferences in the field of modern sustainable construction, which will be held under the honorary patronage of the President of the Republic of Slovenia, and the 32. World Congress of the International Association for Suicide Prevention (IASP), which will be held in 2023.

✠ **Centre CORA at UP IAM**

UP IAM's Centre for Application Design and Development has developed and maintained a number of IT solutions (among them the most important are UNIS, and "Potni nalogi") for UP IAM, and the whole UP collective. The centre will continue to develop, and provide its services for the University of Primorska.

✠ **Support services at UP IAM**

We will continue with the model of joint support services at UP IAM and UP FAMNIT, which has been improved in recent years by merging some previously separate services. We will reconsider potential staffing reserves, and additional reinforcements where needed.

✠ **Collaboration with industry**

We will encourage the cooperation with industry, where in recent years the activity declined for various reasons. The aim is to increase market revenues in the coming years.

Koper, 13. 9. 2021

Prof. Vito Vitrih, PhD

