

1. Raziskovalna organizacija (*Research organisation*):

Univerza v Ljubljani, *Ekonomska fakulteta*

2. Ime in priimek mentorja (*Name and surname of a mentor*):

Prof. dr. Nevenka Hrovatin

3. Področje znanosti iz šifranta ARRS (*Primary research field*):

5.02 Ekonomija (Economics)

4. Kontaktni e-naslov mentorja (*Contact of a mentor*):

nevenka.hrovatin@ef.uni-lj.si

5. Kratak opis programa usposabljanja (*Short description of the program*):

Načrtovano raziskovanje mladega raziskovalca sodi na področje ekonomije, zato bo izbrani kandidat v študijskem letu 2016/2017 pričel usposabljanje z vpisom na Doktorski program ekonomskih in poslovnih ved Ekonomske fakultete Univerze v Ljubljani, kjer bo pridobil ustrezna znanja s področja mikro in makro ekonomije na višji ravni zahtevnosti ter metodološke osnove (na primer statistika, ekonometrija in nadaljevalna ekonometrija), ki jih bo kasneje uporabil pri izdelavi doktorske disertacije.

Raziskovalno bo deloval v okviru raziskovalne skupine ARRS »*Konkurenčnost, inovativnost, učinkovitost in trajnostni razvoj slovenskega gospodarstva v procesih razvoja EU*«. Eno izmed področij proučevanja raziskovalne skupine je tudi proučevanje obnašanja podjetij in posameznikov na panožni ravni. Kandidatovo področje proučevanja bodo infrastrukturne dejavnosti, ožje pa področje energetike, na katerega se navezujejo tudi najpomembnejši cilji EU in zato tudi Slovenije z vidika trajnostnega razvoja: zmanjšanje porabe energije oziroma povečanje energetske učinkovitosti ter okoljevarstveni cilji zmanjšanja izpustov toplogrednih plinov v povezavi z večanjem deleža obnovljivih virov energije.

Slovenija mora tako kot druge države EU uresničevati zavezujoče cilje. Zato je za oblikovanje ustreznih ukrepov ekonomske politike in za oceno njenih učinkov izjemno pomembno poznavanje obnašanja podjetij in posameznikov pri porabi energije. Pri tem je v literaturi za podjetja in institucije izpostavljena tako imenovana vrzel v energetske učinkovitosti, za katero so bile oblikovane teoretične taksonomije ovir in spodbujevalnih dejavnikov, številne študije pa so obstoj dejavnikov in njihovo pomembnost tudi empirično preverjale v praksi. Tako se kot ena možnost nadaljnjega raziskovanja odpira proučevanje obnašanja slovenskih podjetij in institucij na področju porabe energije ter energetske učinkovitih in okoljevarstvenih investicij ter dejavnikov, ki nanje vplivajo. Podatke za raziskavo je za podjetja mogoče pridobiti od SURS na osnovi dostopa do mikropodatkov oziroma z anketiranjem podjetij ter s študijami primerov.

Še manj raziskano pa je obnašanje gospodinjestev pri porabi energije in izbiri dobaviteljev energije. Zato bi se kandidat usmeril v proučevanje obnašanja slovenskih gospodinjestev pri odločitvah za

renovacije stavb, izbiro ogrevalnih sistemov in porabo energije v prometu ter tudi na ocene funkcij povpraševanja. Podatke za raziskavo bi bilo mogoče pridobiti na osnovi anketnih mikropodatkov SURS oziroma z anketiranjem gospodinjstev. Na osnovi podatkovnih baz dobaviteljev energije pa je mogoče analizirati tudi odločanje gospodinjstev za izbiro dobaviteljev. Metodološko bo raziskovalno delo zahtevalo uporabo statističnih in ekonometričnih metod ter strukturnih modelov.

Ker področje ekonomike energetike odpira številna odprta raziskovalna vprašanja, je mogoče nabor raziskovalnih vprašanj razširiti oziroma prilagoditi z upoštevanjem kandidatovih predlogov in zanimanj.

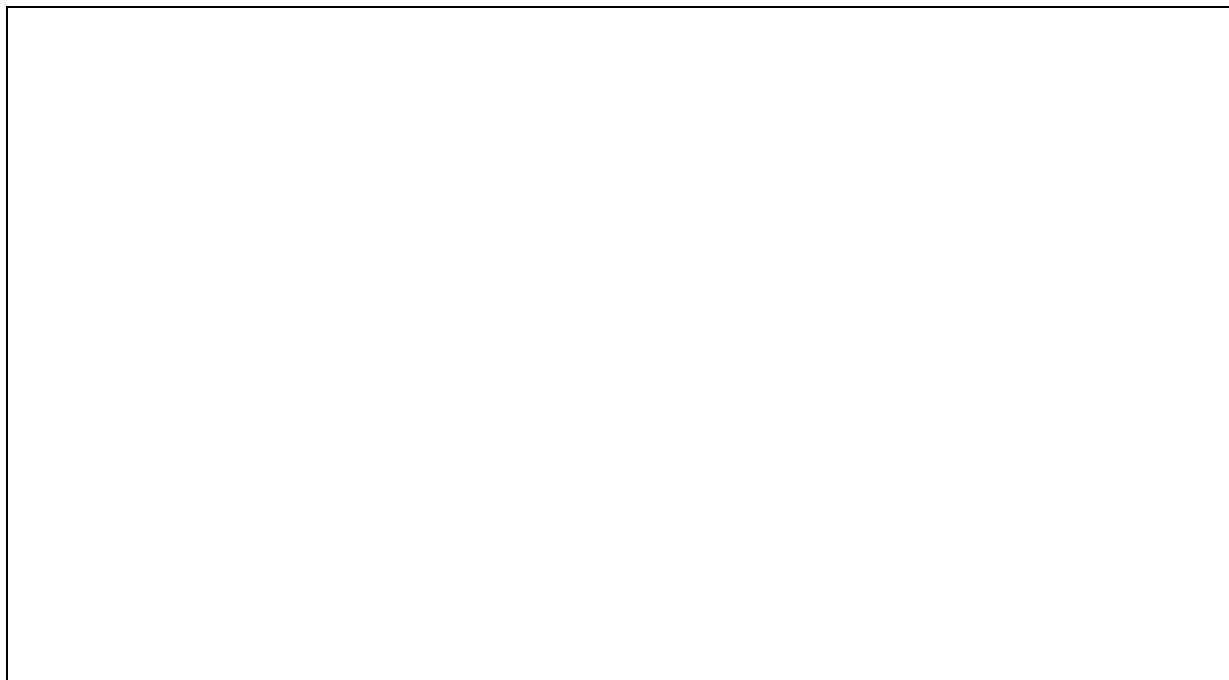
The planned research area of the young researcher belongs to the economic discipline. Therefore, it is envisaged that in the study year 2016/2017 the young researcher will enrol in the Doctoral Programme in Economics and Business at the Faculty of Economics, where he/she would acquire the required knowledge in micro and macroeconomics (advanced level), as well as methodological skills (e.g. in statistics, econometrics, advanced econometrics, etc.) in order to implement them in the preparation of doctoral thesis.

The young researcher will be a member of the research group »*Competitiveness, innovativeness, efficiency and sustainable development of the Slovenian economy in the context of EU development*«, sponsored by the ARRS (Research Agency of the Republic of Slovenia). One of the group's research areas is the behaviour of companies and individuals at the industry level. The candidate's research focus will be on infrastructure industries, more particular on the energy economics, to which the most important research goals of the EU and Slovenia as its member state pertains with respect to sustainable development: the reduction of the energy use which implies improvements in energy efficiency and environmental targets encompassing the reduction of greenhouse gas emissions in conjunction with the increase of renewable energy sources.

Slovenia, as other member states, has to meet the planned targets. To design appropriate policy measures and to monitor their results, it is, thus, essential to understand the firms' and consumers' (households') behaviour in the energy use. There is a vast body of literature analysing the so called *energy efficiency gap* in firms and institutions, encompassing various theoretical taxonomies of barriers and drivers, while several empirical studies attempted to identify their existence and importance in practice. One of the areas for future research is, therefore, the analysis of behaviour of Slovenian firms and institutions in their energy use as well as energy efficiency and environmental investments in order to identify their determinants. Data for the research could be gathered from SURS (Statistical Office of the Republic of Slovenia) via the distance access to the micro data or by conducting the surveys and case studies.

The behaviour of households in their energy use and the choice of their energy supplier are even less known. Therefore, the candidate could concentrate his/her research on the economic analysis of Slovenian households regarding the renovation of buildings, the choice of heating systems and the energy use in transport and on the demand function analysis. The research data could be gathered from SURS as survey micro data and/or with conducting the own households' survey. The data bases of energy suppliers would also support the analysis of households' energy supplier choice. The research methods would among others include statistical and econometric tools, as well as structural models.

Taking into account the wide area of energy economics topics, the young researcher's research questions and investigations could be extended or adapted in line with the candidate's suggestions and interests.

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