

PROBE DE CONCURS

1. Proba practică (cunoștințe de specialitate, GIS, statistică și limbă străină)
2. Susținerea proiectului de cercetare impus

PERIOADA ANGAJARII

1.02.2018-31.12.2019

NORMA:

8 ORE PE ZI

CONDITII MINIME DE PARTICIPARE LA CONCURS

1. Diploma de master in domeniul Stiinta mediului/Geografie ori echivalent
2. Doctorand in domeniul Stiinta mediului, Geografie ori echivalent, cu tema de doctorat legata de durabilitatea urbana, solutii verzi in asezarile umane sau rezilienta urbana.

TEMATICA PROBEI PRACTICE PENTRU OCUPAREA POSTULUI DE ASISTENT CERCETARE DIN CADRUL CENTRULUI DE CERCETARE A MEDIULUI SI EFECTUARE A STUDIILOR DE IMPACT

1. Categoriile de solutii verzi
2. Sustenabilitatea și rezilienta urbana – aspecte conceptuale
3. Criterii reprezentative pentru evaluarea solutiilor verzi
4. Evaluarea impactului asupra mediului aferent diferitelor categorii de functii urbanistice
5. Factori generatori de conflicte in asezarile umane
6. Metode statistice de evaluare a calitatii mediului (testarea diferentelor, corelatii parametrice si nonparametrice, regresie liniara, regresie logistica, MCA, SOM)
7. Utilizarea tehnicilor GIS in evaluarea solutiilor verzi (baze de date geospatiale integrate, krigging, buffer, griduri tematice, spatial analyses)

CONTINUTUL CADRU AL PROIECTULUI PENTRU OCUPAREA POSTULUI DE ASISTENT CERCETARE DIN CADRUL CENTRULUI DE CERCETARE A MEDIULUI SI EFECTUARE A STUDIILOR DE IMPACT

1. Evaluarea factorilor ce influențează reziliența și sustenabilitatea orașelor

2. Inventarierea și delimitarea categoriilor de soluții verzi aplicabile pentru orașele din România
3. Evaluarea contribuției soluțiilor verzi la creșterea sustenabilității și rezilienței urbane
4. Evaluarea integrării soluțiilor verzi în politicile și strategiile Europene și naționale din domeniul mediului și domenii conexe

BIBLIOGRAFIE

Bibliografie

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Ostrom, E. (2009). A general framework for analyzing sustainability of social-ecological systems. *Science*, 325(5939), 419-422.

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Raymond C.M., Frantzeskaki N., Kabisch N., Berry P., Breil M., Nita M.R., Geneletti D., Calfapietra C. (2017), A framework for assessing and implementing the co-benefits of nature-based solutions in urban areas. *Environmental Science & Policy* 77: 15-24

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EXAM

1. Practical exam (specialized knowledge, GIS, statistics and foreign language skills)
2. Defending the required research project

PERIOD

2018, 1ST FEBRUARY – 2019, 31ST DECEMBER

TYPE OF EMPLOYMENT:

FULL TIME, 8 HOURS/DAY

MINIMUM CONDITIONS REQUIRED FOR THE PARTICIPATION IN THE EXAM

1. Master Diploma (within Environmental Sciences domain)
2. PhD Student within Environmental Sciences, Geography or other equivalent domain, with the topic of the PhD thesis related to urban sustainability, nature-based solutions in human settlements or urban resilience

TOPICS REQUIRED FOR THE PRACTICAL TEST FOR THE POSITION OF RESEARCH ASSISTANT AT THE CENTRE FOR ENVIRONMENTAL RESEARCH AND IMPACT STUDIES

1. Categories of nature-based solutions
2. Urban sustainability and resilience – concepts
3. Representative criteria for assessing the nature-based solutions
4. Environmental Impact Assessment for different urban land-uses
5. Factors causing conflicts within human settlements
6. Statistical methods for assessing the environmental quality (testing differences, parametric and non-parametric correlations, linear regression, logistic regression, MCA, SOM)
7. Using GIS techniques in assessing the nature-based solutions (integrated geospatial databases, kriging, buffer, thematic grids, spatial analyses)

