



INTERNSHIP PROGRAMME

Code: (Partner Acronym) XXXXXX_001-02¹

Title	Decision-support systems for sustainable development of urban green infrastructures
Format	Online
The earliest initial date (2021)	March 15
The latest end date (2021)	May 15
Duration	30 days
Number of positions (max)	3
Required knowledges and skills	Basic knowledge in GIS is mandatory, knowledge in landscape planning, ornamental dendrology and horticulture, management and maintenance of urban green infrastructure as well as sufficient English skills are highly appreciated
Academic coordinator	Dr. Viacheslav Vasenev
Objectives	The internship is focused on mastering skills in developing GIS-based decision support systems in management and design of urban green infrastructure, their adaptation for the particular case studies and promotion via learning by doing
Short course modules²	Introduction to urban ecology Monitoring, modelling and management of urban green infrastructures
Internship activities	The participants will be involved in development and adaption of the R3GIS software for particular case-studies based on the spatial data on land cover, categories and conditions of urban green infrastructures. The training will involve: <ul style="list-style-type: none">- collecting, processing and analysis spatial data on land cover, categories of green infrastructure, environmental and landscape parameters (microclimate, microrelief etc);

¹ The short course modules can be common to different internship programmes

² The first order number identifies the internship programme the second order number the programme in a specific hosting institution



	<ul style="list-style-type: none">- collecting and processing data on maintenance practices;- assessing the ecosystem services provided by green infrastructures and integrating the results to R3GIS;- adapting R3GIS for the cost-benefit analysis;- developing R3GIS tutorials for different categories of stakeholders.
Hosting institution	Smart Urban Nature center
	Smart Urban Nature center is a multi-disciplinary team focused on monitoring, modeling and assessment of urban ecosystem services to support the sustainable development strategies. A particular focus is given to smart technologies, including IoT, remote and proximal sensing.
	Prof. Riccardo Valentini (founder and director)
	https://sunlab.rudn.ru/
Academic tutor	Mario De Martino (de-martino-m@rudn.ru)
Hosting institution tutor	Dr Viktor Matasov (ecoacoustic@yandex.ru)
Additional notes	Due to COVID limitations, the internship will be organized online. Professional lecture and master classes (the 1 st week) will be followed by practical work on one or several projects ongoing in the Smart Urban Nature center. Coordination will include daily instructions and up-dates on the tasks and progress. The final assignment will be based on the project presentation. All the meetings will be organized via MS Teams