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August 16, 2018 4:12 pm | (<https://www.cost.eu/news/?category=>)

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Cross border collaboration is helping scientists in Serbia, like researchers Dr Saša Orlović and Dr Dejan Stojanović, to open the doors of cooperation with their colleagues around Europe.

Serbian scientists are starting to see an improvement in their situation thanks to cooperation and collaboration with their counterparts across Europe. Dr Saša Orlović and Dr Dejan Stojanović are two researchers who are reaping the rewards of more contact with academics like them from beyond their borders, thanks to help from COST.

Events in their country's recent history have meant that opportunities for improvement and knowledge exchange for Serbian scientists have been limited at times. Serbia is not a member of the European Union, meaning that aspects of scientific life possibly taken for granted elsewhere, like studying in and travelling to other countries, can be more difficult.

But becoming part of several COST networks in recent years has opened doors to Dr Orlović and Dr Stojanović. *"Since Serbia is still not part of the EU, we have fewer scientific and travel opportunities compared to colleagues from EU countries,"* says Dr Orlović.

"Valuable international contacts are the key benefit of our participation in COST Actions," adds Dr Orlović, a Professor at the Faculty of Agriculture and Head of the Institute of Lowland Forestry and Environment at the University of Novi Sad. *"Especially contacts with scientific institutions in the forestry sector which we would never have been able to get any other way."*

The Institute has taken part in different COST networks over the last decade, with the most prized fruit of their endeavours being Serbia's first Dendrolab at the university. It's a laboratory for tree ring research based around a system called ATRICS that scans tree cores in very high resolution. The lab possesses several tree core borers, including a unique one-metre long device for extraordinarily old and thick trees. It was inspired by Dr Stojanović's first short-term scientific mission to the Slovenian Forestry Institute in Ljubljana in 2013 as part of the COST Action 'Climate Change and Forest Mitigation and Adaptation in a Polluted Environment'.

"We took the rich experience gained from Dr Tom Levanič, the senior researcher at the Slovenian Forestry Institute who is also a professor at the University of Ljubljana, and an expert in the field of dendrochronology – the science of dating events and environmental change through studying tree rings. We started going to the field intensively to acquire as many tree samples as we could," says Dr Stojanović, a graduate and researcher at the Institute since 2012. "We would never have established this successful cooperation without the COST funding. We have also introduced colleagues from abroad to our Institute and our country, and our discussions with European researchers from the top of their field have helped us focus our research goals."

Dr Orlović is a big believer in empowering young researchers to take part in training schools and scientific missions to mature in the industry, and learn from new cultures and individuals. COST supported the Institute through working group meetings, training schools and short term missions as well as financing a training school and one of the Management Committee meetings in the Institute at Novi Sad.

"It is crucial to have the opportunity to challenge your ideas and scientific work concepts with people who excel in your specific field," he says. "It can save months if not years of hard work." Much like the tree rings studies, time will inevitably reveal just how important that collaboration has been.

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COST provides networking opportunities for researchers and innovators in order to strengthen Europe's capacity to address scientific, technological and societal challenges.

There are three strategic priorities: Promoting and spreading excellence, fostering interdisciplinary research for breakthrough science and empowering and retaining young researchers and innovators. COST implements its mission by funding bottom-up, excellence-driven, open and inclusive networks for peaceful purposes in all areas of science and technology.



COST is supported by the EU Framework Programme Horizon 2020

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FP0903 - Climate Change and Forest Mitigation and Adaptation in a Polluted Environment

[Home \(https://www.cost.eu\)](https://www.cost.eu) > [Browse Actions \(https://www.cost.eu/?page_id=89\)](https://www.cost.eu/?page_id=89) > Climate Change and Forest Mitigation and Adaptation in a Polluted Environment

[cost-fp0903.ipp.cnr.it/ \(http://cost-fp0903.ipp.cnr.it/\)](http://cost-fp0903.ipp.cnr.it/)

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Description

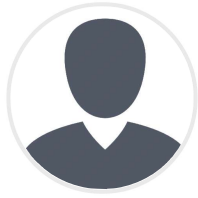
Parties

Management Committee

Description

The main objective is to increase understanding of state and potential of forest mitigation and adaptation to climate change in a polluted environment, and to reconcile process-oriented research, long-term monitoring and applied modelling at comprehensive forest research sites. Forests are expected to face significant pressures from climate change and air pollution. The COST Strategic Workshop "Forest Ecosystems in a Changing Environment: Identifying Future Monitoring and Research Needs", held in Istanbul in 2008, recommended more integration between approaches and themes in order to assess the risks for European forests. This Action creates a platform of experts from different fields, with the following main objectives: 1) to increase understanding of state and potential of forest mitigation and adaptation to climate change in a polluted environment; and 2) to reconcile process-oriented research, long-term monitoring and applied modelling at comprehensive forest research sites (Supersites III). Present forest monitoring in Europe is carried out at Level I and II plots by the ICP Forests programme on behalf of the Convention on Long-range Transboundary Air Pollution. Supersites of Level III were proposed in Istanbul, with the main aim of integrating soil, plant and atmospheric sciences and monitoring, and providing policy-oriented modelling with scientifically sound indicators of pollution and climate-related risks.

Main Contacts

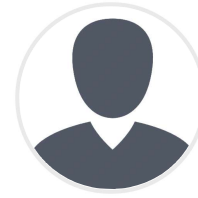


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Action Documents

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 [MoU \(https://e-services.cost.eu/files/domain_files/FPS/Action_FP0903/mou/FP0903-e.pdf\)](https://e-services.cost.eu/files/domain_files/FPS/Action_FP0903/mou/FP0903-e.pdf).

 [Progress Report \(https://e-services.cost.eu/files/domain_files/FPS/Action_FP0903/progress_report/progress_report-FP0903.pdf\)](https://e-services.cost.eu/files/domain_files/FPS/Action_FP0903/progress_report/progress_report-FP0903.pdf).

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FP1202 - Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest trees to climate change in Europe (MaP-FGR)

[Home \(https://www.cost.eu\)](https://www.cost.eu) > [Browse Actions \(https://www.cost.eu/?page_id=89\)](https://www.cost.eu/?page_id=89) > Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest trees to climate change in Europe (MaP-FGR)

[map-fgr.entecra.it \(http://map-fgr.entecra.it\)](http://map-fgr.entecra.it)

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Description

Parties

Management Committee

Description

Marginal/peripheral (MaP) forest populations are at the edges of species ranges and contain an original genetic diversity due to unsuitable conditions for survival. Studying adaptive processes in MaP populations is crucial and of mutual interest for European and non-European countries for understanding the future of forest ecosystems. Developing conservation and management strategies for Forest Genetic Resources (FGR) of MaP populations is needed to adapt European forests to Global Change. Because of their millennia-long history of adaptation to environmental changes, FGR growing in southern Europe may prove invaluable for adapting the European forestry sector. However southern MaP populations are not only threatened by ongoing climate change but also by other disturbances arising from human activities. Southern Europe represents an ideal model where the effects of climate change on FGR will be stronger and more rapid than in the rest of Europe. This proposal, with its broad research spectrum and partnership, addresses the conservation and management of MaP FGR by: (i) compiling information on climate change impacts on MaP populations, (ii) making information available for preparing national and pan-European forest plans and strategies for adaptation and mitigation, (iii) developing criteria for monitoring and conserving FGR and (iv) sharing results with forest managers.

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 [Second Progress Report \(https://e-services.cost.eu/files/domain_files/FPS/Action_FP1202/second_progress_report/second_progress_report-FP1202.pdf\)](https://e-services.cost.eu/files/domain_files/FPS/Action_FP1202/second_progress_report/second_progress_report-FP1202.pdf)

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EUROPEAN COMMISSION
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FP1304 - Towards robust projections of European forests under climate change (PROFOUND)

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Description

Parties

Management Committee

Description

Changes in climate, environment and management are altering the world's ecosystems. Forests are of particular importance in this context due to the significant economic, ecological and cultural services they provide. Projecting changes of these services for the next decades is crucial for a concerted European response to environmental change.

There are a number of challenges to meet. Mechanistic forest models that can be extrapolated to new environmental conditions are still associated with considerable predictive uncertainty. The reasons are the lack of harmonized datasets at larger scales and the difficulty to obtain robust methods for parameterisation, evaluation and model comparison that make optimal use of the range of available data types and sources.

PROFOUND addresses these problems by: 1) suggesting ways to harmonize and integrate European forest data for model projections 2) comparing forest modelling approaches in terms of scale, processes captured, data requirements and predictive uncertainty 3) developing standards for (Bayesian) model parameterisation, calibration, evaluation and comparison, and 4) facilitating probabilistic multi-model projections under climatic change.

As a result, PROFOUND will strengthen the integration of forest modellers and data-providing experts across Europe and provide more reliable information about the uncertainty of model predictions to decision makers.

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Naša vizija

Liderska pozicija u kreiranju i primeni novih tehnologija u šumarstvu i agrošumarskim sistemima

Naša misija

Da obezbedimo rezultate istraživanja koji omogućavaju razvoj novih i unapređenje postojećih tehnologija, proizvoda i usluga u oblasti šumarstva i zaštite životne sredine, kao i da pružamo informacije i znanje, spajamo proizvođače i krajnje korisnike, pomažemo stanovništvu u svakodnevnom životu

Lista najnovijih javnih nabavki

- JN 259/2018-3 (JN 259/2018-3 Laboratorijska oprema- digitalni fotoaparati sa makro objektivom (1.1.7))

Vidi detaljnije... (lista-javnih-nabavki)

Novosti

- Promocija Dunavskog Transnacionalnog Programa Interreg REFOCuS na 15. Međunarodnoj fitotehnoškoj konferenciji, organizovanoj od strane Instituta za nizijsko šumarstvo i životnu sredinu Novi Sad (/sr/promocija-dunavskog-transnacionalnog-programa-interreg-refocus-na-15-me%C4%91unardnoj-fitotehno%C5%A1koj)
- Proslavljeno 60 godina od osnivanja Instituta za nizijsko šumarstvo i životnu sredinu (/sr/proslavljeno-60-godina-od-osnivanja-instituta-za-nizijsko-%C5%A1umarstvo-i-%C5%BEivotnu-sredinu)
- Sastanak radne grupe za reviziju politike pesticida u sertifikovanim šumama (/sr/sastanak-radne-grupe-za-reviziju-politike-pesticida-u-sertifikovanim-%C5%A1umama)
- Doors opening across Europe thanks to tree talk (/sr/doors-opening-across-europe-thanks-tree-talk)
- Predavanje dr Marine Katanić na kursu organizovanom od strane Mikološko-gljivarskog saveza Srbije (/sr/predavanje-dr-marine-katani%C4%87-na-kursu-organizovanom-od-strane-mikolo%C5%A1ko-gljivarskog-saveza-srbije)

Vidi detaljnije... (novosti)

Najnovija dokumenta

- Plan javnih nabavki za 2018. godinu - Izmena plana javnih nabavki 2 (http://www.ilfe.org/sites/default/files/documents/izmena_2_PJN_2018.pdf)
- Spisak laboratorijske opreme (http://www.ilfe.org/sites/default/files/documents/lab_oprema_ILFE.pdf)
- Plan javnih nabavki za 2018. godinu - Izmena plana javnih nabavki 1 (http://www.ilfe.org/sites/default/files/documents/izmena_1_PJN_2018.pdf)
- Plan javnih nabavki za 2018. godinu (<http://www.ilfe.org/sites/default/files/documents/PlanZaPortal-ilfens2018.pdf>)
- Plan javnih nabavki za 2017. godinu (<http://www.ilfe.org/sites/default/files/documents/Godisnji%20plan%20JN%202017.pdf>)
- Izmena plana javnih nabavki 2: PLAN JAVNIH NABAVKI ZA 2016. GODINU (<http://www.ilfe.org/sites/default/files/documents/izmena%20%20pjn.pdf>)
- Izmena plana javnih nabavki 1: PLAN JAVNIH NABAVKI ZA 2016. GODINU (<http://www.ilfe.org/sites/default/files/documents/Izmena%20plana%20%20plan%20javnih%20nabavki%20za%202016.%20godinu.pdf>)

- Pravilnik o postupku unutrašnjeg uzbunjivanja
(<http://www.ilfe.org/sites/default/files/documents/Pravilnik%20o%20uzbunjivanju%20ILFE.pdf>)
- PRAVILNIK O BLIŽEM UREĐENJU POSTUPKA JAVNE NABAVKE
(<http://www.ilfe.org/sites/default/files/documents/INTERNI%20AKT%20-JN.pdf>)
- PROGRAM USAVRŠAVANJA PODMLATKA
(<http://www.ilfe.org/sites/default/files/documents/PROGRAM%20USAVRSAVANJA%20PODMLATKA.doc>)

Vidi detaljnije... (lista-dokumenata)

Najnoviji međunarodni projekti

- Otporne poplavne šume kao ekološki koridori rezervata biosfere Mura-Drava-Dunav (REFOCuS)
- Resilient riparian forests as ecological corridors in the Mura-Drava-Danube Biosphere Reserve (REFOCuS)
- IPA Cross-border cooperation Hungary-Serbia: A new approach in rural ethno- and ecotourism: capacity and competence development (AREeCcDev)
- Forest management scenarios for adaptation and mitigation (FORMOSAM)
- IPA Cross-border cooperation Hungary-Serbia: Natural selfness (NATESS)
- COST action CA15223: Modifying plants to produce interfering RNA (iPLANTA)
- COST Action CA15226: Climate-smart forestry in mountain regions (CLIMO)
- COST action FP1406: Pine pitch canker: strategies for management of *Gibberella circinata* in greenhouses and forests (PINESTRENGTH)
- EUFORGEN: Stand forming broadleaves network
- EUFORGEN: Scattered broadleaves network

Vidi detaljnije... (lista-projekata)

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