



21st  
International  
Conference on  
Operational  
Research

September 23-25, 2026,  
Brela Croatia

## CALL FOR PAPERS FOR SPECIAL SESSION

### Operations Research Applied to Sustainable Natural Resource Management

#### CHAIR

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Over the past century, operations research (OR) has provided both theoretical advances and practical tools for natural resource management. OR methods have been applied across spatial scales and sectors – land use, agriculture, forestry, water management, fisheries, mining, conservation, and more – helping to analyze trade-offs, manage risk, and design resilient, sustainable systems. This special session will highlight how OR relates to current global and national initiatives (for example, the EU Biodiversity Strategy for 2030 and the Nature Restoration Regulation) and how interdisciplinary research supports evidence-based policy and practice. We invite contributions that demonstrate scientifically rigorous OR work with clear relevance to real-world management and decision-making. Of particular interest are studies that integrate reliable data, interdisciplinary methods, spatial planning, and stakeholder-relevant decision support to aid the implementation of biodiversity, restoration, and sustainability goals.

Topics of interest include, but are not limited to:

- sustainable and resilient management of natural resource systems; multi-objective and risk-aware approaches,
- OR methods and their broader application to natural resource management,

- spatial planning and spatially explicit optimization models.
- decision support systems and models for contemporary natural resource management,
- data science, artificial intelligence, and machine learning applications,
- multiple uses of renewable resources and energy (biomass, hydropower, solar, etc.),
- natural-resource disturbances and hazards (climate change impacts, invasive species, fires, landslides, extreme weather),
- adaptation strategies for climate change, biodiversity conservation, and ecosystem service trade-offs
- logistics, transport, and supply-chain aspects of natural resource systems,
- human and institutional capacity for managing natural systems,
- modelling interactions among coupled natural-resource systems,
- long-term, dynamic, and stochastic modelling of resource processes,
- economic objectives, environmental policy, and social demands in resource management.

Submission invitation: We welcome submissions from researchers and practitioners worldwide that combine robust OR methodology with practical relevance to sustainable natural resource management. Abstracts addressing the topics above or related themes are encouraged.

## IMPORTANT NOTES

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DEADLINES	June 14, 2026 - submission of abstract
	July 1, 2026 - notification of acceptance
	August 25, 2026 - registration & fee payment

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When submitting the paper, please, select: [Operations Research Applied to Sustainable Natural Resource Management](#)

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We look forward to welcoming you from September 23-25, 2026 at Bluesun Hotel Soline in Brela, Croatia.

You can find detailed information at: [hdoi.hr/koi-2026/](https://hdoi.hr/koi-2026/)

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