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IPA Rumunija – Srbija



IPA Projekat „ERA-MIN_RO-SRB”
Procena ekoloških rizika od rudarskih aktivnosti
u prekograničnom području Srbija-Rumunija
„ERA-MIN_RO-SRB”

Zajedno za bezbednije rudarske regione
ERA-MIN_RO-SRB – Nauka, partnerstvo i evropski standardi

IPA Project “ERA-MIN_RO-SRB”
Environmental Risk Assessment from Mining Activities
in the Romania–Serbia Cross-Border Region
„ERA-MIN_RO-SRB”

Together for Safer Mining Regions
ERA-MIN_RO-SRB – Science, Partnership and European Standards



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CENTRALNI DOGAĐAJ

Treća radionica projekta – međunarodna ekspertiza i snažna zainteresovanost

Treća radionica projekta ERA-MIN_RO-SRB, održana 27. februara 2026. godine u Boru, predstavljala je centralni događaj V perioda implementacije i jedan od najznačajnijih stručnih skupova posvećenih ekološkim rizicima rudarskih aktivnosti u prekograničnom regionu Srbija–Rumunija.

Radionica je okupila predstavnike naučnih institucija, rudarske industrije, lokalnih organa vlasti i zainteresovane javnosti, potvrđujući izuzetnu zainteresovanost za teme održivog upravljanja rudarskim resursima.

Skup je otvorio dr Daniel Kržanović, koordinator projekta, koji je istakao da ERA-MIN_RO-SRB predstavlja primer uspešne sinergije nauke, institucionalne saradnje i evropskih standarda u oblasti zaštite životne sredine.



CENTRAL EVENT

Third Project Workshop – International Expertise and Strong Stakeholder Engagement

The Third ERA-MIN_RO-SRB Workshop, held on 27 February 2026 in Bor, represented the central event of Implementation Period V and one of the most significant expert gatherings dedicated to environmental risks associated with mining activities in the Romania–Serbia cross-border region.

The event brought together representatives of scientific institutions, the mining industry, local authorities, and interested stakeholders, demonstrating strong professional engagement and growing regional visibility of the project.

The workshop was opened by Dr. Daniel Kržanović, Project Coordinator, who highlighted that ERA-MIN_RO-SRB stands as a model of successful synergy between science, institutional cooperation, and the application of European environmental standards.



Rezultate jesenje–zimskog monitoringa predstavila je dr Nicoleta Nemeş Sorina sa Univerziteta Politehnica u Temišvaru, naglašavajući značaj integrisanog prekograničnog pristupa u proceni rizika.

Dr. Nicoleta Nemeş Sorina from the Polytechnic University of Timișoara presented the results of the autumn–winter monitoring campaign, emphasizing the importance of an integrated cross-border approach to environmental risk assessment.

U stručnom delu programa:

- **Miloš Stojanović**, asistent za procenu zagađenja i upravljanje rizicima, govorio je o upravljanju rudarskim odlagalištima i potrebi kontinuiranog praćenja stabilnosti jalovišta.
- **Dr Dragana Adamović Marković**, asistent za kontrolu kvaliteta uzorkovanja i hemijske analize, predstavila je rezultate reevaluacije uticaja rudarskih aktivnosti na rečne tokove u području Bora.



Within the technical programme:

- **Miloš Stojanović**, Assistant for Environmental Pollution Assessment and Risk Management, addressed mining waste management and the necessity of continuous monitoring of tailings stability.
- **Dr. Dragana Adamović Marković**, Assistant for Quality Control in Sampling and Chemical Analyses, presented the results of the re-assessment of mining impacts on river flows in the Bor mining area.



Predstavljeni podaci ukazuju na višestruko smanjenje koncentracija bakra, gvožđa i arsena nakon modernizacije sistema tretmana otpadnih voda, potvrđujući da primena savremenih tehnologija i evropskih standarda daje merljive rezultate. Međunarodnu dimenziju događaja dodatno je osnažilo izlaganje Nicka Lucića, renomiranog rudarskog eksperta iz Australije, čije je prisustvo potvrdilo značaj projekta u širem globalnom kontekstu upravljanja rudarskim rizicima. Radionica je potvrdila snažnu institucionalnu i stručnu podršku projektu, kao i njegovu rastuću regionalnu i međunarodnu vidljivost.

The presented data indicate a multiple reduction in copper, iron, and arsenic concentrations following the modernization of the wastewater treatment system, confirming that the implementation of modern technologies and European standards delivers measurable and sustainable results.



The international dimension of the event was further strengthened by the participation of Nick Lucić, a renowned mining expert from Australia. His contribution placed the project within a broader global context of responsible mining and environmental risk management.

The workshop confirmed strong institutional commitment and reinforced the project's growing international recognition.

UPRAVLJANJE PROJEKTOM

Sastanak Zajedničkog upravljačkog komiteta (JSC)

U okviru V perioda održan je sastanak Zajedničkog upravljačkog komiteta, na kojem su partneri analizirali realizovane aktivnosti i usvojili plan implementacije za naredni period.

Svi planirani rezultati i isporuke su jednoglasno odobreni, potvrđujući visok nivo koordinacije između partnera iz Srbije i Rumunije i stabilnu dinamiku implementacije projekta.



PROJECT MANAGEMENT

Joint Steering Committee (JSC) Meeting

During Implementation Period V, the Joint Steering Committee convened to review project progress and approve the implementation plan for the upcoming period.

All planned deliverables were examined and unanimously approved, confirming effective project governance, strategic coordination, and a stable implementation dynamic between Serbian and Romanian partners.

The meeting once again underlined the importance of structured cross-border cooperation within the Interreg IPA Romania–Serbia framework.

TERENSKE AKTIVNOSTI

Zimska kampanja uzorkovanja i laboratorijske analize

Tokom perioda realizovana je zimska kampanja uzorkovanja voda, zemljišta i vazduha u prekograničnom regionu.

Terenski rad sproveden je u zahtevnim uslovima, u skladu sa evropskim metodologijama monitoringa.



FIELD ACTIVITIES

Winter Sampling Campaign and Laboratory Analyses

A winter sampling campaign of water, soil, and air was successfully conducted across the cross-border region.

Field activities were carried out under demanding conditions, fully aligned with European monitoring methodologies.

Uzorci su analizirani u Institutu za rudarstvo i metalurgiju Bor i na Politehničkom univerzitetu u Temišvaru, čime je obezbeđena naučna pouzdanost i integrisan pristup proceni ekološkog i zdravstvenog rizika.



Laboratory analyses were performed at the Mining and Metallurgy Institute Bor and the Polytechnic University of Timișoara, ensuring scientific reliability and an integrated approach to environmental and health risk assessment.

This phase represents a critical foundation for the development of a harmonized cross-border environmental risk model.

ZNAČAJ PROJEKTA I DOPRINOS EVROPSKE UNIJE

Projekat ERA-MIN_RO-SRB realizuje se uz finansijsku podršku Evropske unije kroz Interreg IPA Program prekogranične saradnje Rumunija–Srbija.

Projekat doprinosi:

- unapređenju prekograničnog monitoringa
- razvoju usklađenih metodologija procene rizika
- jačanju institucionalne i naučne saradnje
- primeni evropskih standarda u oblasti zaštite životne sredine

ERA-MIN_RO-SRB potvrđuje da evropske integracije imaju konkretan i merljiv uticaj na održivi razvoj rudarskih regiona.

PROJECT IMPACT & EU CONTRIBUTION

The ERA-MIN_RO-SRB project is funded by the European Union through the Interreg IPA Romania–Serbia Cross-Border Cooperation Programme.

EU support enables:

- strengthened cross-border environmental monitoring
- harmonized risk assessment methodologies
- reinforced institutional and scientific cooperation
- application of European environmental standards

ERA-MIN_RO-SRB demonstrates how European cooperation generates concrete, measurable impact in mining regions, contributing to sustainable development and responsible natural resource management.

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