



NEWSLETTER

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THE SURRI NEWS

SURRI FINAL MEETING IN LIBEREC

On 25 and 26 November 2025, the SURRI consortium gathered at **Technical University of Liberec** (and online) for the final project meeting. After three intense years, dozens of deliverables, milestones, workshops, internships, and scientific breakthroughs – it's time to wrap it up and celebrate the impact we've made together!

We reviewed all work packages, discussed KPIs, shared lessons learned, and aligned on what's next: preparing the Final project report.

A huge thank you to every researcher, partner, and team member for your brilliant contributions!

And remember – collaboration doesn't end here.

Let's keep the SURRI spirit alive.



Photo by: CXI TUL



Technical University of Liberec
Photo by: CXI TUL



Excursion in Crytur (Turnov)
Photo by: CXI TUL



Excursion in Harrachov Glassworks
Photo by: CXI TUL

"Sustainable Remediation of Radionuclide Impacts on Land and Critical Materials Recovery" - GA No 101079345

NEW: SURRI White Paper Released!

"Towards a Sustainable Europe" is the title of the official SURRI White Paper, launched just in time for the project finale.

This strategy document outlines:

- the environmental, economic, and societal rationale for sustainable remediation of radionuclide-contaminated sites;
- key technological innovations (electrokinetics, microbial remediation, phytoremediation);
- policy pathways and Triple Helix collaborations (science–industry–government);
- and the vision for a Virtual European Centre of Excellence led by TUL.

Noteworthy insights:

- Electrokinetic remediation using low-voltage currents is viable and energy-efficient
- Nature-based remediation using duckweed, sunflowers, and native microbes showed promising results
- Tailings can be mined for critical materials like Zn, Cu, Fe – making remediation financially viable
- Establishing clear regulatory frameworks and fast-track approval schemes will be critical for scaling



The White Paper serves as a blueprint for future EU research, funding, and industrial uptake.

Modern Technologies for Mine Water Treatment: Our Science Highlights

- Complete physico-chemical and microbiological characterization of mine waters and sludge from the sites in Czech Republic
- Development and optimization of methods for remediation, recovery and utilization of critical metals contained in mine waters and sludge
- Electrokinetic remediation of mine waters and sludges
- Laser synthesis of nanoparticles from contaminated mine water
- Microbial remediation of mine waters and sludges
- Phytoremediation with duckweed and sunflowers

Fieldwork, Internships & Global Connections



Photo by: CXI TUL



-  **Vira Velianyk** completed a successful internship in Rome, researching biosorption using biochar + bacteria
-  **Andy Cundy** shared SURRI results at the RemPlex Summit (USA), co-chairing sessions on sustainability and circularity
-  In Granada, **SURRI partners** met with the Arqus Alliance to discuss future EU-level research collaboration

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UoS Project Meeting & September Workshop Highlights

On 11 September 2025, SURRI partners met at the **University of Southampton** (and online) for a strategic project meeting.

The agenda focused on:

- Reviewing deliverables and milestones for 2025
- Tracking KPIs and scientific outputs
- Strengthening dissemination and communication plans
- Aligning financials and final quarter actions

This meeting was complemented by a **special workshop**, fostering collaboration on electrokinetic remediation, microbial recovery, and sustainability assessment approaches. These sessions helped shape the final deliverables and the SURRI White Paper.



Photo by: CXI TUL

SURRI at a Glance

 13+ research papers

 33 international exchanges

 6 internships

 Dozens of lab experiments (electrokinetic columns, bioreactors, duckweed growth chambers...)

 Engagements with industry: DIAMO, MEGA, and more

 H2020 → proposals for Horizon Europe, Twinning, and InterBridge follow-ups

 **Virtual Centre of Excellence** initiated, our activities will continue!
Follow us here: surri.eu

What's Next?

- ✓ Final Report Submission:
 - Financial and Technical Report

 Stay tuned for:

- SURRI White Paper dissemination
- Joint publications
- Future Horizon projects



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♥ A BIG THANK YOU!

Thanks to the whole SURRI team – including our researchers, stakeholders, technicians, students, communicators, and project managers. Your work is helping turn Europe's mining past into a cleaner, safer, and more sustainable future.

With gratitude,
The SURRI Consortium



SURRI team | surri@tul.cz

Great job, dear all SURRI members 🌟🌟🌟

🔗 Partners:

TUL – CXI, University of Southampton, La Sapienza University of Rome, University of Granada

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