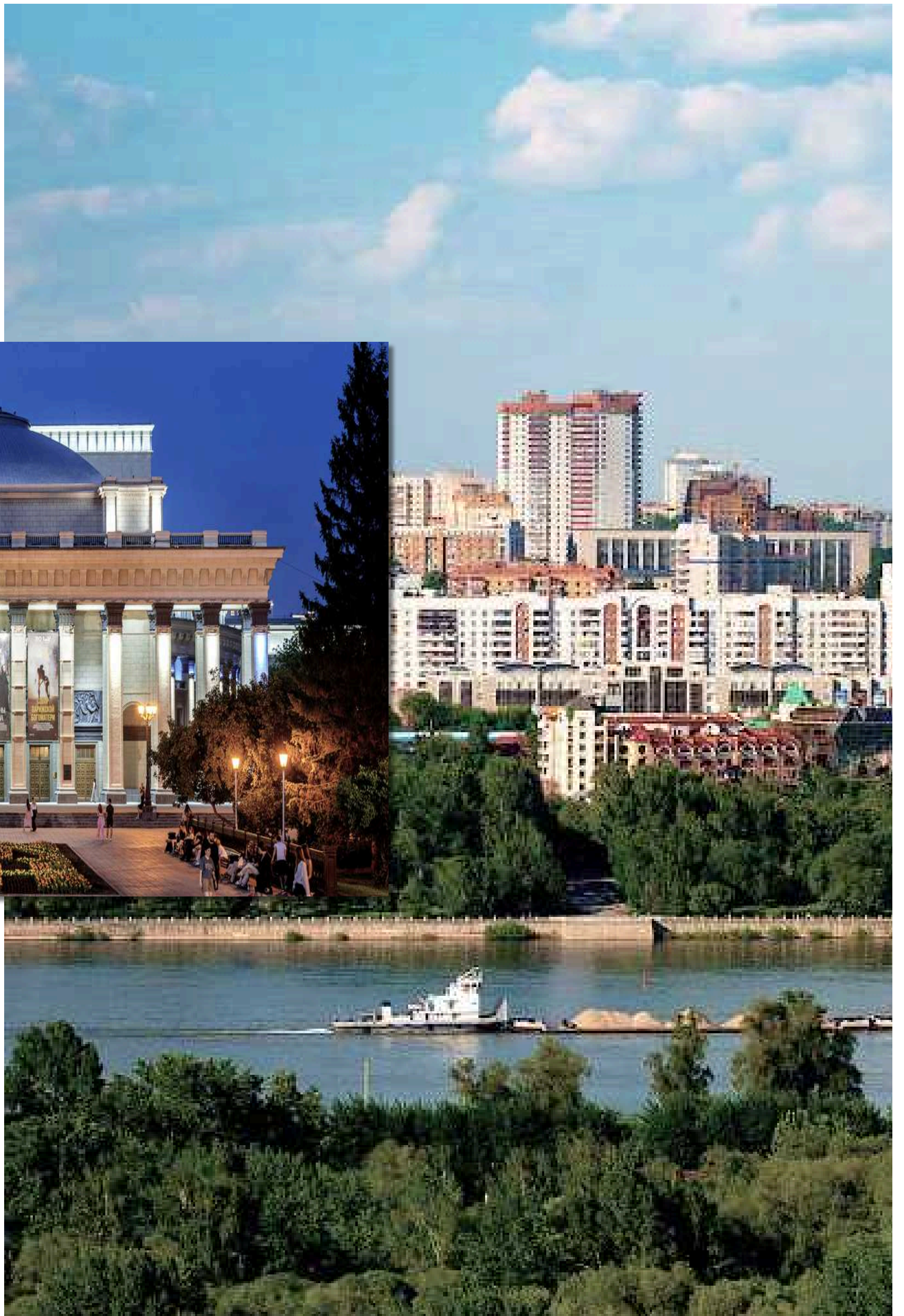




UNESCO ARTRECON



NSUACE (SIBSTRIN)



Кафедра ЮНЕСКО
«Экологически безопасные технологии
природообустройства и водопользования»

Новосибирский государственный архитектурно-
строительный университет (Сибстрин), Россия

UNESCO Chair on Theory and Technology of Environmental Safety in Water Resources Control

On October 2nd, 2015, the Agreement establishing the UNESCO Chair on Theory and Technology of Environmental Safety in Water Resources Control at Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), Russia, was duly signed by Ms Irina Bokova, Director-General of UNESCO, and Professor Yuriy Skolubovich, Rector of Sibstrin University.

THE CHAIR'S MISSION

THE CHAIR AIMS TO IMPLEMENT ECOLOGICALLY FRIENDLY TECHNOLOGIES TO ADDRESS REGIONAL AND GLOBAL PROBLEMS IN THE FIELD OF ENVIRONMENTAL AND WATER MANAGEMENT.

VISION

The Chair envisions itself becoming a leading regional, national, and international hub for research, education, and training equipped with cutting-edge laboratories and advanced technological infrastructure.

ACTIVITIES

Its core activities are geared towards executing long-term programmes designed to address pressing regional and global challenges in integrated water management, focusing particularly on developing innovative solutions for the sustainable utilization of water resources and environmental preservation.

RESEARCH AREAS

Key research objectives include:

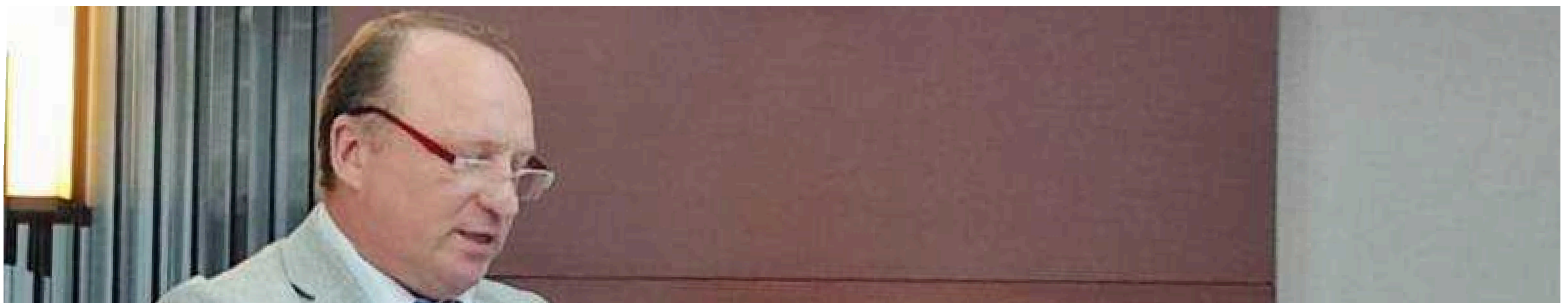
Developing environmentally-friendly methods for sewage treatment and industrial wastewater purification,

Exploring zero-energy buildings and renewable energy sources such as ground thermal and low-temperature waters,

Utilizing 3D modeling techniques to simulate natural processes, including heat loss analysis of structures.

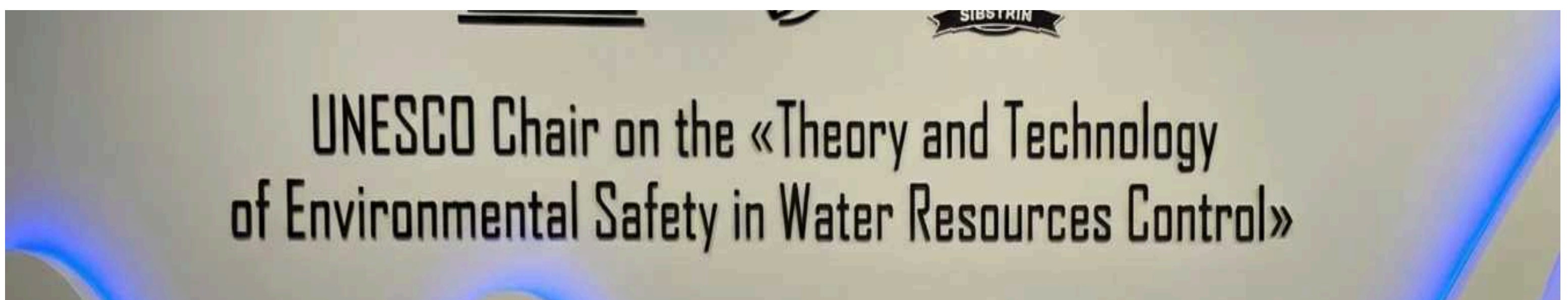
COLLABORATION AND PARTNERSHIPS

Collaborations with other UNESCO Chairs and partnerships with public, private sector organizations, and foundations will help advance the implementation of United Nations Sustainable Development Goals.



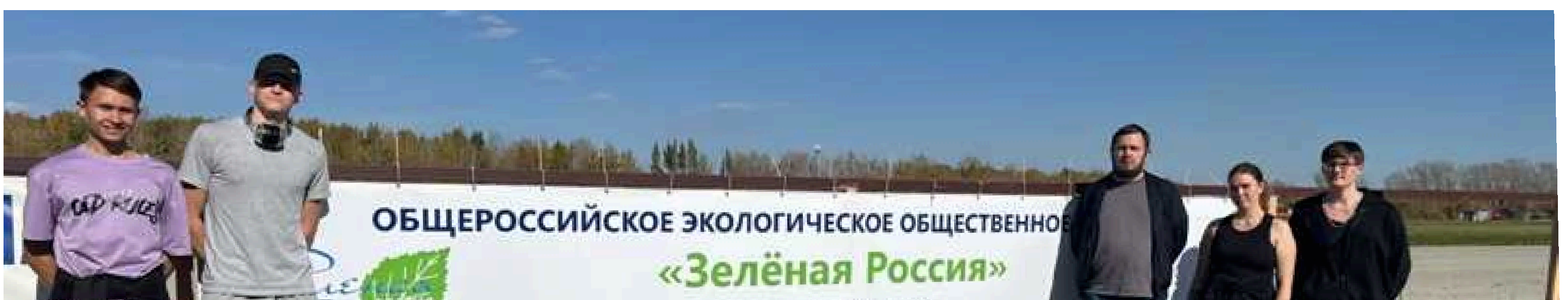
01 Scientific Activities of the UNESCO Chair Conducted by the Head of the Chair, Rector of NSUACE (Sibstrin) Yuri L. Skolubovich

- Academic Consortium: A framework agreement has been concluded for its establishment.
- Russian-Chinese Congress: The Rector of Novosibirsk State Architecture and Construction University (Sibstrin), Yuri Skolubovich, participated in the congress on urban construction.
- UNESCO Chairs Congress: Yuri Skolubovich presented his report.
- Arctic Power Line Supports: NSUACE (Sibstrin), together with Rosseti, will develop supports for the Murmansk Region.
- Meeting with the Consul of Uzbekistan: Rector Yuri Skolubovich met with the General Consul, who learned about the university's facilities and opportunities.
- NSUACE (Sibstrin) is the lead institution for an Academic Consortium of five Siberian universities with UNESCO Chairs.
- Rector Yuri Skolubovich of NSUACE (Sibstrin) participated in the II Russian-Chinese Academic Congress on Urban Construction.



02 Scientific and Academic Activities of the UNESCO Chair's Master Degree Students

- My First Months in the UNESCO Master's Programme at NSUACE (Sibstrin)
- Open Seminar by Yuri L. Skolubovich - the Rector of NSUACE (Sibstrin)
- My First Seminar "Science Diplomacy" of the UNESCO Chair at NSUACE (Sibstrin)



03 Eco-Club Kodama

- Leader of the student-led Eco-Club "Kodama"
- Alley of Memory
- Victory Forest campaign
- All-Russian campaign "Water of Russia"
- All-Russian campaign "Save the Forest"

Framework Agreement on Establishment of an Academic Consortium

Consortium Name:

Academic Consortium of the Siberian UNESCO Chairs

Shortened name: **ACS UNESCO Chairs**

Purposes of Establishing ACS UNESCO Chairs:

The Consortium's mission includes addressing critical challenges through interdisciplinary cooperation across Russia, Commonwealth of Independent States, Asian, African, Latin American countries, and beyond.

Nature of the Consortium:

The Academic Consortium serves as a unified educational ecosystem, pooling together the collective efforts, intellectual capital, infrastructure, information resources, and reputation of its constituent members. Its primary objectives are to develop highly skilled professionals, execute collaborative breakthrough initiatives, and boost the overall competitiveness of the higher education sector.

Key focus areas include:

1. Protecting Lake Baikal and ensuring sustainable management of water resources in the Siberian region.
2. Conducting comprehensive scientific studies, organizing educational events, outreach activities, and methodical work relevant to specific academic disciplines featured prominently in departmental nomenclature.
3. Engaging students from participating universities alongside experts from partner countries committed to UNESCO principles and aligned with Russian environmental policies.

Member Institutions:

- Novosibirsk State University of Architecture and Construction (Sibstrin)
- Altai State Technical University named after I.I. Polzunov (AltGTU)
- Gorno-Altai State University (GASU)
- Irkutsk State University (ISU)
- Siberian Federal University (SFU)

Signed on:

August 29, 2025, the agreement has been concluded to create an Educational Consortium among Institutions hosting the UNESCO chairs, functioning indefinitely.

Rector of the Novosibirsk State Architecture and Construction University (Sibstrin) Yuri Skolubovich Participated in the Work of the II Russian-Chinese Academic Congress on Urban Construction.

Also, NOSTROY delegation visited a museum complex dedicated to tunnels and underground facilities, inspected the project of Minzhu Bay trans-river tunnel located in Hengli village, Nansha District, Guangzhou city, and also got acquainted with the activities of Zhongshan University's Faculty of Engineering and Construction, where special attention is paid to developing six scientific areas related to construction of urban infrastructure, riverine and marine structures.



Yuri Skolubovich Presented His Report in the V All Russian Congress of the UNESCO Chairs.



May 20, 2025:

The Fifth All-Russian Congress of the UNESCO Chairs convened at the Plekhanov Russian University of Economics, hosted by Yuri Skolubovich, Rector of NSUACE (Sibstrin).

Organized under the patronage of the Russian Federation's UNESCO Commission, greetings were extended by Foreign Minister Sergei Lavrov and Deputy Minister of Education and Science Konstantin Mogilevsky.

Attendees included leaders of the UNITWIN Chairs and networks, national committees for UNESCO programmes, and members of the Russian Academy of Sciences. They assessed the work of Russia's UNESCO chairs since 2019, set strategic goals, revised regulations, and elected a new Coordinating Committee.

Yuri Skolubovich highlighted his Chair's contributions, earning acclaim from experts. Following a successful evaluation at UNESCO HQ in Paris, NSUACE's international Chair secured contract renewal through 2027.

Re-elected to the ministry's UNESCO-related commission, Yuri Skolubovich emphasized the Congress' significance in fostering educational and scientific advancements. Lavrov commended efforts to expand the UNITWIN programme and enhance Russia's global influence.

Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), Rosseti North-West, and Rosseti Research & Development Center have agreed to develop Arctic Overhead Power Line Supports for the Murmansk Region.

During the VI International Arctic Forum held in Murmansk on March 26th, a tripartite agreement was signed among NSUACE (Sibstrin), Rosseti North-West, and Rosseti Scientific and Technical Center. This collaboration aims to develop advanced arctic power transmission towers capable of operating under harsh climatic conditions typical of the Kola Peninsula. Designed specifically for a voltage level of 150 kV, these innovative structures are engineered to endure wind speeds reaching up to 45 meters per second and significantly higher ice loads compared to existing standards. Commissioning of the project is scheduled to commence by 2028.

Notable figures involved include Yuri Skolubovich, Rector of NSUACE (Sibstrin), Vyacheslav Torsunov, CEO of Rosseti North-West, and Andrey Epifanov, director of Rosseti Scientific and Technical Center. The forum provided a valuable opportunity for stakeholders to collaborate on mutually beneficial initiatives focused on enhancing the exploration and sustainable utilization of the Arctic region's vast potential. As highlighted during discussions, adoption of such cutting-edge technology will contribute substantially to ensuring reliable electric power delivery while simultaneously accelerating resource extraction efforts across remote areas.

This strategic partnership represents a significant milestone in strengthening cooperative ties within Russia's northern regions, paving the way for further modernization and optimization of their critical energy infrastructure.

Meeting between Mehriddin Khayriddinov and Yury Skolubovich, the Rector of NSUACE (Sibstrin) was held in the University, where the General Consul of the Embassy of the Republic of Uzbekistan in Russia Learned about the University's Facilities and Opportunities.



NSUACE (Sibstrin) hosted a visit by Mehriddin Khayriddinov, General Consul of the Embassy of the Republic of Uzbekistan in the Russian Federation. As part of Mehriddin Khayriddinov's visit, he held meetings with university administrators and Uzbeki students enrolled at the institution.

Accompanying General Consul was Bobur Karimov, the First Secretary of the Embassy of the Republic of Uzbekistan in the Russian Federation.

Khayriddinov expressed gratitude towards the NSUACE (Sibstrin) administration for arranging this meaningful event and creating an opportunity for direct communication with younger generations. The dialogue session provided Uzbek students with a platform to raise their concerns directly to the General Consul. Their queries revolved around matters including diploma validation procedures in Russia, support services provided by the embassy, and various related issues. In response, Khayriddinov emphasized the importance of adhering to legal regulations while residing in Russia.

Highlighting the significance of bilateral relations, Yuri Skolubovich stated, "Uzbekistan holds a special place among brotherly nations. Maintaining strong bonds through mutual respect and constructive engagement is crucial for fostering harmonious ties free from ethnic tensions. Furthermore, collaborative efforts between educational institutions in Uzbekistan and Russia could yield fruitful outcomes—particularly given existing regional-level backing. Such joint ventures across areas like vocational guidance, higher learning, research activities can exemplify successful partnerships and significantly contribute toward enhancing professional training systems in both countries."

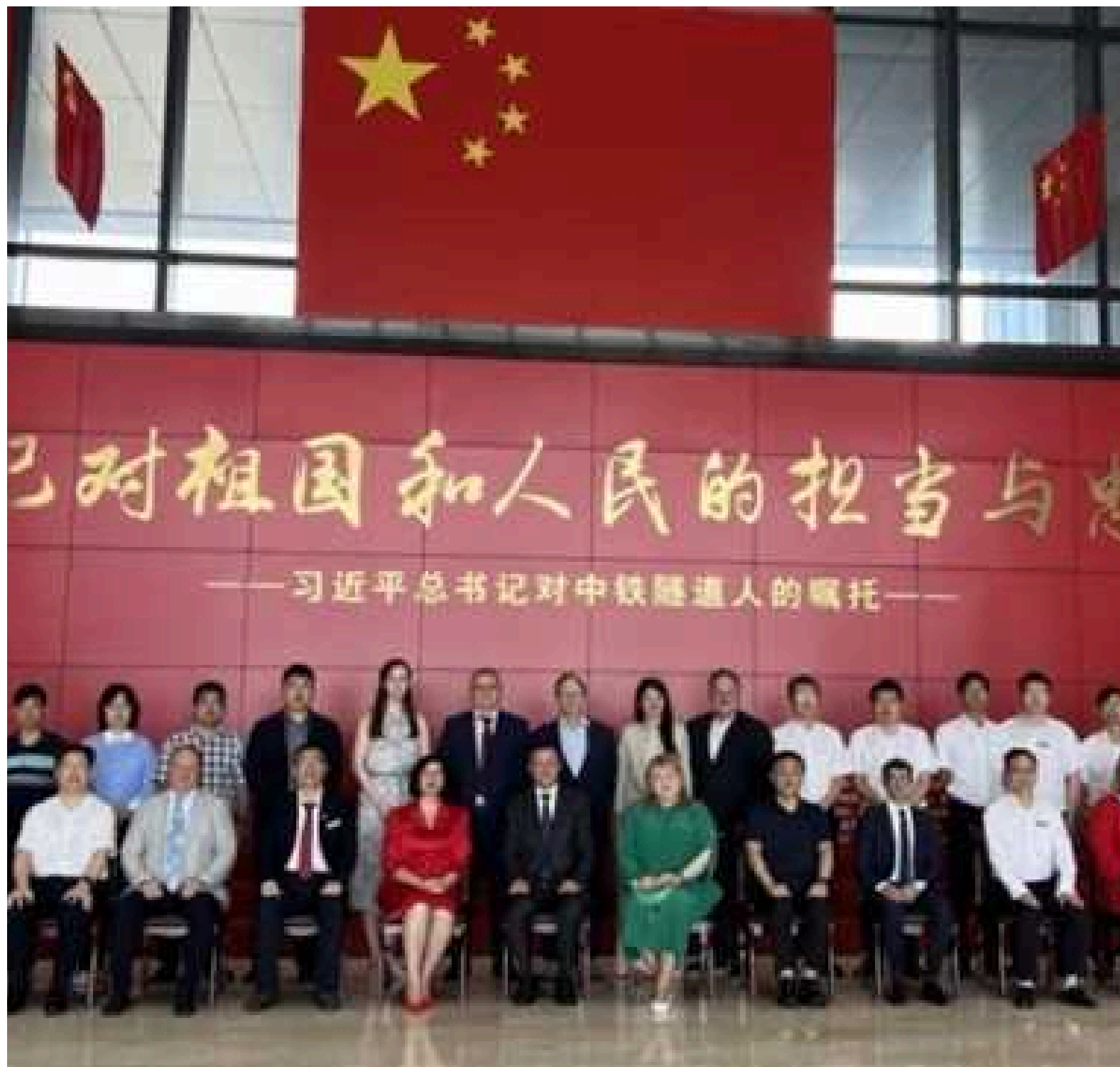
Wrapping up the visit, **Rector Yuri Skolubovich** extended invitations to the General Consul and accompanying officials to attend commemorative celebrations marking the 95th anniversary of NSUACE (Sibstrin).

NSUACE (Sibstrin) serves as the anchor institution for an Academic Consortium that includes five Higher Education Institutions across the Siberian Region, each hosting the UNESCO Chairs.



The Consortium Centre's Host organization is the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), under the leadership of **Yuri L. Skolubovich**, Corresponding Member of the Russian Academy of Architecture and Construction Sciences, Doctor of Technical Sciences, Professor, Honored Ecologist of the Russian Federation, Full Member (Academician) of the International Academy of Higher School Sciences and the International Academy of Environmental Safety, as well as a full member of the International Institute of Structural Engineers: Chartered Civil Engineer (CEng), Member of The Institution of Civil Engineers (MICE).

Rector of the Novosibirsk State Architecture and Construction University (Sibstrin) Yuri Skolubovich Participated in the Work of the II Russian-Chinese Academic Congress on Urban Construction.



From October 10 to 13, 2025, the Second Russian-Chinese Academic Congress on Urban Construction took place in Guangzhou, China. A delegation from the National Association of Builders (NOSTROY) attended this event, among them was Rector of the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), Corresponding Member of the Russian Academy of Architecture and Construction Sciences, Doctor of Technical

Sciences, Professor, Honored Ecologist of the Russian Federation, Full Member (Academician) of the International Academy of Higher School Sciences and the International Academy of Environmental Safety, as well as a full member of the International Institute of Structural Engineers: Chartered Civil Engineer (CEng), Member of The Institution of Civil Engineers (MICE) **Yuri L. Skolubovich**.

The Congress was jointly organized by the Ministry of Construction of Russia, NOSTROY, and leading Chinese construction enterprises under the auspices of a cooperation agreement signed in 2023 between NOSTROY and the Chinese Society for Civil Engineering.

The central theme of the congress focused on how extreme environmental conditions affected buildings and structures. Fifteen experts representing Russian universities and the construction sector, along with thirty delegates from Chinese academic institutions and construction firms, presented researches and engaged in discussions about key areas of collaboration between the construction industries and educational establishments of both countries.

My First Months in the UNESCO Master's Programme at NSUACE (Sibstrin)



Hello, my name is Yaroslav Sergeevich, I'd love to reflect on my experience during these first few months as part of the prestigious UNESCO Chair master's programme at the Novosibirsk State University of Architecture and Civil Engineering University (Sibstrin).

Our group consists of just six students—five first-years and Nikita, being the second-year Master's candidate. Even though we're a tiny team, we've accomplished so much collectively!

Since classes started late October, we've experienced two intensely packed months filled with intellectual challenges and exciting discoveries. As budding scholars, we've expanded our knowledge by engaging in prominent international forums and workshops hosted by UNESCO itself.

Among other highlights were three noteworthy gatherings: an Artificial Intelligence Summit focused on resolving key issues, debating resolutions, and implementing decisions; another addressing how to preserve Linguistic Diversity among Smaller Ethnic Groups amidst rapid digitization; and last but not least, sessions discussing the intricacies of Scientific Diplomacy.

Participating in such enriching experiences has truly opened up new vistas for us, providing fresh insights into both global conversations around innovation and sustainability.

Additionally, it's been personally fulfilling seeing individual milestones achieved. One example is when, guided by our esteemed faculty member Dr. Yevgeniy N. Matyushenko— Candidate of Technical Sciences, Expert and Associate Professor, the second Master Student Nikita had the opportunity to deliver a scholarly presentation at the renowned international conference hosted by Russia's People's Friendship University (RUDN). This marked a pivotal moment for him professionally.

Beyond these formal engagements, we've been active organizers within campus life too. Recently, alongside peers, we initiated an ambitious initiative called the International Science Diplomacy School of the UNESCO Chair, conducted entirely in English. This interdisciplinary Forum attracted seniors from various departments across the university, fostering cross-cultural dialogue and collaboration. It wouldn't have happened without the unwavering support of Professors Irina A. Kosolapova and Inna M. Makarikhina who oversaw its execution.

To keep abreast of current trends globally, we frequently tap into the rich library collection curated specifically for the UNESCO Chair. From immersive readings in English-language publications to interactive learning via specialized UNESCO online courses, every resource helps elevate our expertise while maintaining international standards.

Moreover, I'm proud to mention that all members of our group enthusiastically contribute towards green initiatives spearheaded by NSUACE (Sibstrin) administrators. Whether it be planting trees or organizing eco-awareness campaigns, each effort reflects our commitment toward building a more sustainable future aligned with broader societal goals.

Overall, these formative early days mark the beginning of what promises to be an incredible journey ahead. With numerous fascinating projects lined up, there's no doubt about continued growth—both academically and professionally—for everyone involved! Feel free to adjust any parts if needed!

Open Seminar by Yuri L. Skolubovich – the Rector of NSUACE (Sibstrin)



On November 18, 2025, an open seminar was held by the rector of the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), corresponding member of RAASN, Doctor of Technical Sciences, Professor Yuri L. Skolubovich. The event gathered representatives from the UNESCO Chairs and Master's students from educational institutions united within the Academic Consortium of Siberian UNESCO Chairs.

The seminar was organized by Irina V. Kosolapova, Deputy Head of the UNESCO Chair at NSUACE (Sibstrin), and moderated by Inna A. Makarikhina, Head of International Affairs in the UNESCO Chair.

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The purpose of the seminar was to introduce participants to the activities of the International UNESCO Chair at NSUACE (Sibstrin). Established in 2015 and operating until 2027, this UNESCO Chair is part of the global network of the UNESCO Chairs addressing environmentally safe land management and water use issues. Its key areas include advancing environmental science, fostering international cooperation, and enhancing expertise among specialists focused on environmental protection. Master's studies at the Chair provide advanced training in international standards, practical research methodologies, and a prestigious international certificate. Leading higher education institutions across Siberia as well as foreign partners are actively involved with the chair. Plans include expanding collaboration through international projects and introducing dual-degree programmes. The laboratory named after A.F. Poryadin conducts scientific research supporting these initiatives.

Admission to the programme is open to candidates who demonstrate proficiency in English and have a keen interest in scientific research. Students undergo internships abroad, participate in conferences, and gain opportunities for international employment.

Participation is invited from students and faculty members interested in academic pursuits and international collaboration.

My First Seminar “Science Diplomacy” of the UNESCO Chair at NSUACE (Sibstrin)



On November 18, 2025, an important scientific meeting took place in the conference hall of the laboratory of the UNESCO Chair at the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin) aimed at developing environmentally sustainable technologies and enhancing student involvement in international cooperation.

Under the guidance of Irina Kosolapova, Deputy Head of the UNESCO Chair and Director of the Institute for Engineering and Environmental Systems, the first academic seminar was held organized by Master's students within the framework of UNESCO's International Science Diplomacy programme.

The seminar was conducted in English and intended for senior-year students from the IEES.



Participants were provided with detailed information about research directions of the UNESCO Chair and the active participation in the International Academic Consortium of the UNESCO Chairs in Regional Universities in Siberia. The Head of this Consortium is Yuri L. Skolubovich, Professor, Doctor of Technical Sciences, corresponding member of the Russian Academy of Architecture and Construction Sciences.

During the event, students learned about current activities and future development plans of the chair. Master's students presented their research goals and content based on experience gained through participating in international forums and conferences.



Inna M. Makarikhina, an English Language teacher, responsible for international programmes at the UNESCO Chair, moderated the session. She emphasized the importance of integrating young researchers into global educational initiatives and active engagement in intercultural exchanges.

Thus, the seminar demonstrated a high level of preparation among Master's students and confirmed the significance of scientific collaboration between regional universities and the international community of UNESCO.

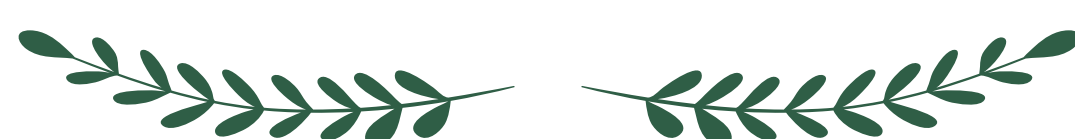
Students and staff of NSUACE (Sibstrin) planted an Alley of Memory consisting of 80 spruce trees on the grounds of the Novosibirsk Hippodrome.



Students and staff of NSUACE (Sibstrin) planted an Alley of Memory, consisting of 80 spruce trees, on the grounds of the Novosibirsk Hippodrome.

Today I participated in a unique event – the “Green Russia” ecological cleanup day, held at the Novosibirsk Hippodrome. This initiative was part of the larger nationwide project called "Victory Forest," which aims to preserve historical memory and enhance the city’s environmental conditions.

Our gathering included both faculty members and students from my Alma Mater, Novosibirsk State University of Architecture and Civil Engineering (Sibstrin). The main organizers of the event were the All-Russian Public Movement "Green Russia," along with several government bodies including the regional Ministries of Natural Resources and Ecology, Sports, the management team of JSC "Rosippodromy," and the Leninsky District Administration of Novosibirsk. Additionally, significant contributions came from the regional Ministry of Culture and the Novosibirsk State Regional Scientific Library.





During the event, approximately 80 young fir trees were planted by participants. Each sapling represented one year marking the anniversary of our country's historic victory. Personally, participating in this activity gave me a chance to honor those who fought for our freedom while leaving behind something meaningful for nature and posterity. As noted by Evgeny Shesternin, Minister of Natural Resources and Environment of the Novosibirsk region, "These are not merely rows of trees; they embody symbols of enduring remembrance."

It was particularly heartening to witness the enthusiastic involvement of fellow students from our university. Guided by Dmitry Grigoriev, Deputy Director of the Engineering and Environmental Systems Institute and leader of the environmental group KODAMA, UNESCO, numerous students engaged in volunteer work focused on environmental conservation for the very first time. Together, we shared a sense of camaraderie and felt deeply connected to the heritage of our nation.

For me personally, the experience will remain unforgettable. It served as a powerful reminder that caring for the planet benefits future generations and fosters respect for the sacrifices made by previous ones. Every tree planted serves as a tribute to our forebears and reflects our collective commitment towards making the world a more beautiful place.



Spruce trees were planted on the university campus in memory of those who died during the Great Patriotic War.

We, students of the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin), took an active part in the "Victory Forest" environmental campaign. In October, we joined the nationwide movement whose goal is to plant 27 million trees in memory of every fallen defender of the Fatherland during the Great Patriotic War.

Participation in this event was especially significant for our university, as the lives of many our faculty, staff, and students were linked to those tragic years. Among the fir trees we planted, each symbolizes the human sacrifice made by our people for peace and freedom.



We planted the trees together with members of the "Kodama" EcoClub and senior students passionate about environmental issues.

For me personally, this event was a true lesson of patriotism and responsibility to the memory of our ancestors. We learned more about the people whose names are engraved on the Memorial Plaque of the Sibstrin Heroes. Their heroism and dedication inspire us to continue learning and developing, recognizing the significance of every action.

In addition to participating in the "Victory Forest," we traditionally participate in the "Immortal Regiment" march, study the history of our university, and learn new facts about the professors and veterans who served in the war and returned to teaching. These events help us deeply understand our connection to the past and feel a responsibility for the country's future.

NSUACE (Sibstrin) was represented by Dmitry Grigoriev, Head of the KODAMA EcoClub UNESCO and Deputy Director of the Institute of Engineering and Environmental Systems, and first- and second-year students - members of the EcoClub.





As recognition for our dedication and commitment, our team earned a deserved prize—winning the champion’s trophy. However, our most valuable reward lies in having cleaned up the area surrounding our cherished river. Water resources are essential and need to be kept pristine for future generations.

We express gratitude to the event organizers: the Environmental Protection Committee of the Novosibirsk City Administration, local district authorities, and the company JSC "SAKH."

We encourage everyone to participate in similar meaningful activities and support environmental preservation efforts!



October 17th, 2025, students from our UNESCO Chair and members of the KODAMA EcoClubclub in NSUACE (Sibstrin) once again came together to make a contribution towards preserving the natural environment of our home region.



We enthusiastically took part in the national campaign “Save the Forest.” This significant event unfolded amidst the scenic landscapes surrounding the village of Yevsino, within the Iskitim Forestry District. Afforestation efforts form an integral part of the Federal Programme “Forest Conservation,” dedicated to enhancing the ecological well-being across Russia. The Novosibirsk Oblast has consistently embraced this initiative, actively engaging in such activities since as early as 2019.

According to official reports, more than two hundred individuals joined forces during this outing. Participants included officials from governmental bodies, enthusiastic volunteers, and student groups representing different higher education institutions throughout the region. Collectively, we managed to plant close to five thousand saplings, with particular pride reserved for the over one hundred and twenty pine trees cultivated by our very own university's students.

Such gatherings serve not only to underscore the significance of nurturing our planet but also instill in all who participate a lasting sense of responsibility and commitment toward further acts of kindness and stewardship.



About Me

- My name is Ilya Konov, and I proudly represent the "Construction of Unique Buildings and Structures" program at the Novosibirsk State University of Architecture and Civil Engineering (Sibstrin).

Why I Am Here

- My decision to join the journal team for the UNESCO department was driven by a deep interest in international activities. I am convinced that in today's world, establishing cross-cultural and academic connections is crucial. Engaging with UNESCO's work has not only broadened my horizons but also deepened my understanding of the importance of international cooperation.

My Role and Goals

- As the editor of the journal, I aim to make it a platform for open dialogue, and the exchange of knowledge and experience. I believe our journal can become a bridge connecting students, faculty, and experts from different parts of the world.

Open to Collaboration

- I am always open to new ideas and proposals. If you have interesting material but are unsure how to best present it, I would be happy to help. My skills in design and layout will allow us to transform your ideas into a stylish and professionally produced journal article together. Feel free to reach out, and let's create together!

The "ArtRecon" E-Journal is created under the patronage of the Foreign Languages Department of NSUACE (Sibstrin). The project is supervised by Inna Makarikhina, Ph. D. in Psychology and Pedagogy, Associate Professor of the English Language Department.

**Thank You for Reading.
Together for a sustainable
Future.**

