



Progress beyond



## Solvay and UNESCO launch STEM education program in Asia

The partnership aims at developing education programs in science, technology, engineering, and mathematics (STEM) for students in India, Indonesia and South Korea to help preserve the environment.

Brussels, January 24, 2023

Solvay and [UNESCO](#) announced the launch of a STEM education program. Developed by two leading science-based organizations, this three-year partnership aims at engaging high schoolers and graduate students from India, Indonesia and South Korea to find solutions to national and regional environmental issues through science.

Focused on the theme “Sustainable living for one planet”, the program will explore our mutual impact on the environment and the environment on us through mentorship activities with University students and teachers from those countries. Students will develop capabilities and strengthen their understanding of science through STEM and EBA (evidence-based approach) to nurture their interest in science and scientific careers, for the benefit of society.

Professors & University students will be trained to deploy the plan in their countries, and hold regional competitions with experts from Solvay, UNESCO’s Science Networks and other partners. Solvay and UNESCO teams located in the related countries will play an active role in the implementation, to co-nurture innovative solution projects:

- With scientists leading interactive national masterclasses to train science school teachers and University students on topics such as emerging environmental issues, introduction to the Internet of Things (IoT) and hands-on pedagogical activities, data science and digital literacy.
- Through a national hackathon organized in high schools with an integrative trans-disciplinary approach, in order to raise capacities in translating data into information and co-develop data narrative.
- With regional competitions to recognize the most innovative projects.

“At Solvay, we aim to inspire young students by giving them knowledge, confidence and hands-on experience in the exciting field of science for the benefit of society. Creating bridges for STEM education in Asia is a great way to bond our local scientific and academic networks and advance the transfer of knowledge. This partnership with UNESCO will contribute to multiplying the impact of our local actions and enable a rich diversity of future researchers needed to take up the challenges



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of our future society,” said Pascal Métivier, Senior Executive Vice President Research Shared Operations of Solvay.

“With its multi-disciplinary mandate and global networks, UNESCO has a unique role in advancing students’ passion for science around the world, regardless of their age, gender or culture. This partnership with Solvay will encourage young people in Asia to pursue careers in STEM, by giving them the chance to engage with the work we are doing at UNESCO and enjoy a unique learning experience that could profoundly shape their future careers,” said Mohamed Djelid, Director of the Regional Bureau for Sciences in Asia and the Pacific based in Jakarta, Indonesia.

The project will ultimately contribute to promoting qualitative, equitable and inclusive education, as well as creative societies in the digital era. The various activities will ensure reverse mentoring and Youth empowerment.

The program builds on synergies among science networks and UNESCO-designated sites and will contribute to seven UN Sustainable Development Goals (SDGs 4, 6, 9, 11, 12, 14, 15). This partnership is a new venture in Solvay’s extensive [Corporate Citizenship program](#), a key pillar which focuses on fostering education.



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## About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 21,000 employees in 63 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet roadmap crafted around three pillars: protecting the climate, preserving resources and fostering a better life. The Group's innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world's top three companies for the vast majority of its activities and delivered net sales of €10.1 billion in 2021. Solvay is listed on Euronext Brussels and Paris (SOLB). Learn more at [www.solvay.com](http://www.solvay.com).

## About UNESCO Jakarta

UNESCO Jakarta is a Science Bureau for Asia and the Pacific, providing strategic expertise and support in science, technology and innovation in the region. It is also a Cluster Office for Brunei Darussalam, Indonesia, Malaysia, the Philippines, and Timor-Leste, covering all UNESCO mandates, namely education, natural and social sciences, culture, communication and information. UNESCO Jakarta fosters international partnerships and cooperation to actively contribute to the achievement of the 2030 Agenda for Sustainable Development. It implements UNESCO's programmes, adapted to specific needs and challenges in the region, to foster change for a sustainable, multicultural and prosperous future for all.



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