

EU and Indian partners of LOTUS met again – now in Mykonos !



After two years of complicated context due to the covid-19 and therefore not being able to meet physically, the Indian and EU partners of the LOTUS project met in Mykonos on the Thursday 2nd and Friday 3rd of June 2022, in conjunction to the Ninth International *Conference* on Environmental Management, Engineering, Planning and Economics (CEMEPE 2022) and SECOTOX Conference, co-chaired by one of the LOTUS partners, Prof. Chrysdi Laspidou.

On the first day, the consortium partners started with an original ice breaker! The partners were separated into 4 teams with the aim to build the highest structure with spaghetti, a marshmallow, tape and one meter



Figure 1: Ice breaker - Team 1 (Béregère Lebenthal, Université Gustave Eiffel, Dilpreet Singh, TU Dortmund, Stelios Mimis & Giannis Adamos, UTH)

rope. All the teams were fully motivated and nice structures were built (though not all were very stable)! Congratulation to the winners! The icebreaker reminds us how great it is to work together as part of one team – not only on-line but also in person!

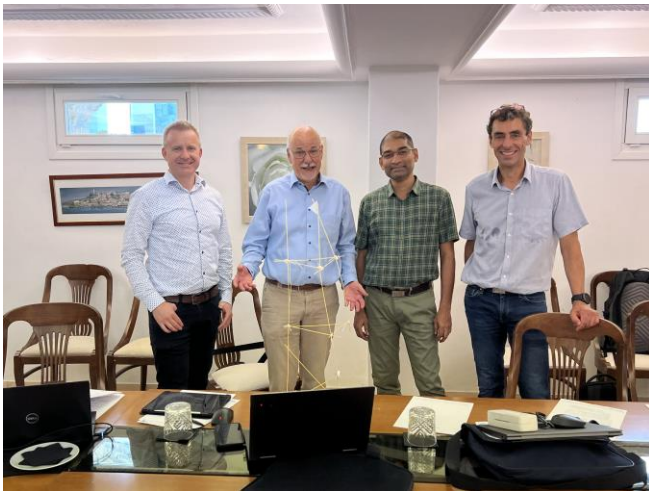


Figure 2: The ice breaker's winning team (Rickard Lindkvist, ABB, Sebastian Engell, TU Dortmund, Senthilmurugan Subbiah, IITG & Franck Le Gall, EGM)

After this enjoyable game, Dr. Svetlana Klessova, G.A.C., the coordinator of the LOTUS project, and Prof. Senthilmurugan Subbiah, Indian Institute of Technology, Guwahati, project manager from the Indian side, welcomed the participants.

Over this first day, intensive discussions were led on the different solutions under development in the project: the LOTUS sensor, the LOTUS box and the LOTUS platform, their current status, advancement, challenges and the next steps in the upcoming months.

At the end of this first day, all partners enjoyed a get together dinner which was also the occasion to further catch up and continue discussions.

On the second day, the focus was put on the [five LOTUS use cases](#), the exploitation, communication and management of the project. It was the occasion to discuss the advancements of notably the two most promising use cases: Use case 1 – Water Quality Monitoring and Management for the water

distribution network in Guwahati and Use case 2 – Tanker-based water distribution system with solar driven residual disinfection of tanker water in Bengaluru.

Lisa Pourcher, G.A.C. also interviewed and filmed all the participants for upcoming videos.

Finally, we finished the meeting with a dinner at the city centre with all the team – a nice evening to say goodbye to each other! Many thanks to the organisers, University of Thessaly, Prof. Chrysi Laspidou, Dr. Giannis Adamos and team!

The Next meeting is planned for December 2022 in India.



After this consortium meeting, Dr. Berengere Lebental (University Gustave Eiffel, France) and Prof. Senthilmurugan left for Paris to meet a commercial partner (outside the LOTUS consortium), to demonstrate the LOTUS sensor and advance technology transfer related discussions. Stay tuned for updates about this Paris visit!



This meeting was also the occasion to meet a new member of our partner’s team! Let us present you Dilpreet Singh from the Technische Universität Dortmund (DE):

Dilpreet Singh has a bachelor’s degree in chemical engineering at the Panjab university, Chandigarh in India. Currently, as a master’s degree student in Process systems Engineering (PSE) at the Technische Universität Dortmund in Germany, under supervision of Professor Sebastian Engell, Dilpreet is strengthening his skills in modelling, simulation and optimisation.

He is writing his thesis on the “Development of Optimal Irrigation strategy under uncertainty” which is based on his work in the Use Case 3 of the LOTUS project. His work on the development of models and optimal strategies for irrigation has so far shown promising simulation results. In the next phases of the project, the practical implementation of the work and further improvements, and integrations would be confirmed.

STAY TUNED!



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LOTUS Consortium Members



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