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MARE -Marine Coastal and Delta Sustainability for Southeast Asia



Sharing Lab Initiatives; Cultivate cross-discipline collaboration and high impact research

In conclusion, our institute's collaborative journey with industries in establishing common laboratories has yielded remarkable results, marking a significant stride towards fostering innovation and groundbreaking research. The convergence of academic expertise and industry insight within these shared spaces has not only accelerated the pace of scientific discovery but has also given rise to a dynamic ecosystem where knowledge exchange flourishes. The tangible impact is evident in the diverse array of projects that have emerged from these collaborative efforts, transcending traditional boundaries and driving advancements that directly address industry needs.

In 28th of August 2023, INOS take another step initiating a common laboratory as a meeting place to discuss and conduct high-impact research with various industries, communities and also other faculty members within and also outside UMT. During the events, more than 10 industry partners and 2 UMT start-up company show their support. This new facilities centre are named '*Makmal Gunasama Universiti, Industri, Komuniti*', Sharing Lab: University, Industry, Community.

The establishment of common laboratories has cultivated a culture of cross-disciplinary collaboration, breaking down silos and promoting a holistic approach to problem-solving. As we reflect on the accomplishments of this partnership, it is clear that the synergies between academia and industry have created an environment where the seeds of innovation are sown, nurtured, and brought to fruition. The shared commitment to excellence has not only elevated the quality of research but has also positioned our institute as a hub for cutting-edge advancements that have practical implications for industries and society at large.

Looking ahead, we are enthusiastic about the continued growth and impact of our collaborative initiatives. By fostering an ecosystem where academia and industry seamlessly collaborate in common laboratories, we are confident that we will contribute substantially to shaping the future of research and innovation. We express our gratitude to our industry partners for their invaluable contributions and look forward to an enduring partnership that propels us into new frontiers of knowledge and technological advancement. Together, we stand at the forefront of a transformative era where collaborative research is not just a possibility but a thriving reality.

ERASMUS+ MARE project take advantage on few aspect of this initiatives. For instance, the university start-up company that focus on ocean data product, Ocean Hydro Pte. Ltd. is produce valuable long term data for South China Sea from numerical modeling, and 2 or postgraduate is using this data as part of their research work.



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Industry partners and reserachers during the launching of ‘Makmal Gunasama’, Sharing Lab



One of the university startup – company, Ocean Hydro showing their new met-ocean forecast data product, in partnership with industry. Some of their data product is being used by MARE ERASMUS+ postgraduate research.



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Advance equipment and technology to enhance marine monitoring and also advancement in teaching and learning, is one of the leading group that partner with ERASMUS+ MARE project