

#### Coastal Protection and Flood Resilience Institute (CFI) Singapore



Coastal Protection and Flood Resilience Institute Singapore College of Design and Engineering



## **Greening Singapore's Grey Shores Through Nature-Based Solutions**





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Shore protection with integrated nature-based solutions — Eco (SPINS-Eco)

Associate Professor Peter Todd National University of Singapore, Department of Biological Sciences, College of Humanities and Sciences

# Taking a Leaf Out of Nature's Book





Shore protection with integrated nature-based solutions — Hydro (SPINS-Hydro)

Assistant Professor Gary Lei Jiarui National University of Singapore, Department of Civil and Environmental Engineering, College of Design and Engineering



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# Keeping the Rising Seas at Bay





Modular solutions to retrofit existing coastal protection structures with impervious interlocking features which reduce seawater seepage

PI: Assistant Professor Chew Soon Hoe National University of Singapore, Department of Civil and Environmental Engineering, College of Design and Engineering



Project H2-P2

Monitoring, Prediction and Digitalisation of Coastal Environment

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# Data-Driven Rain Prediction





#### Enhancements of Singapore's convective rainfall prediction

PI: Professor Vladan Babovic National University of Singapore, Department of Civil and Environmental Engineering, College of Design and Engineering



## Painting Singapore's Shores Green-Grey





Shore protection with integrated nature-based solutions — Meta (SPINS-Meta)

Associate Professor Peter Todd National University of Singapore, Department of Biological Sciences, College of Humanities and Sciences





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