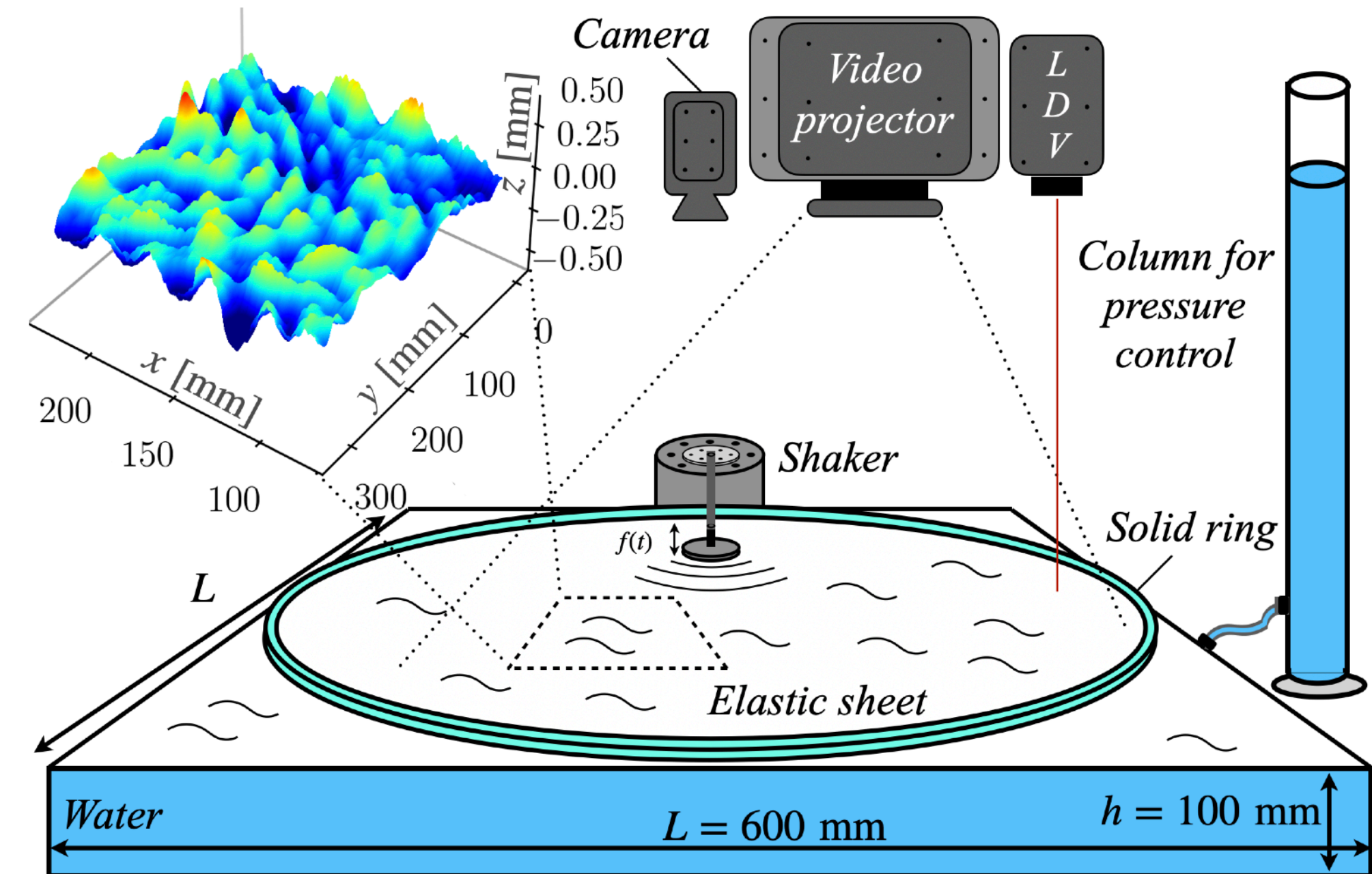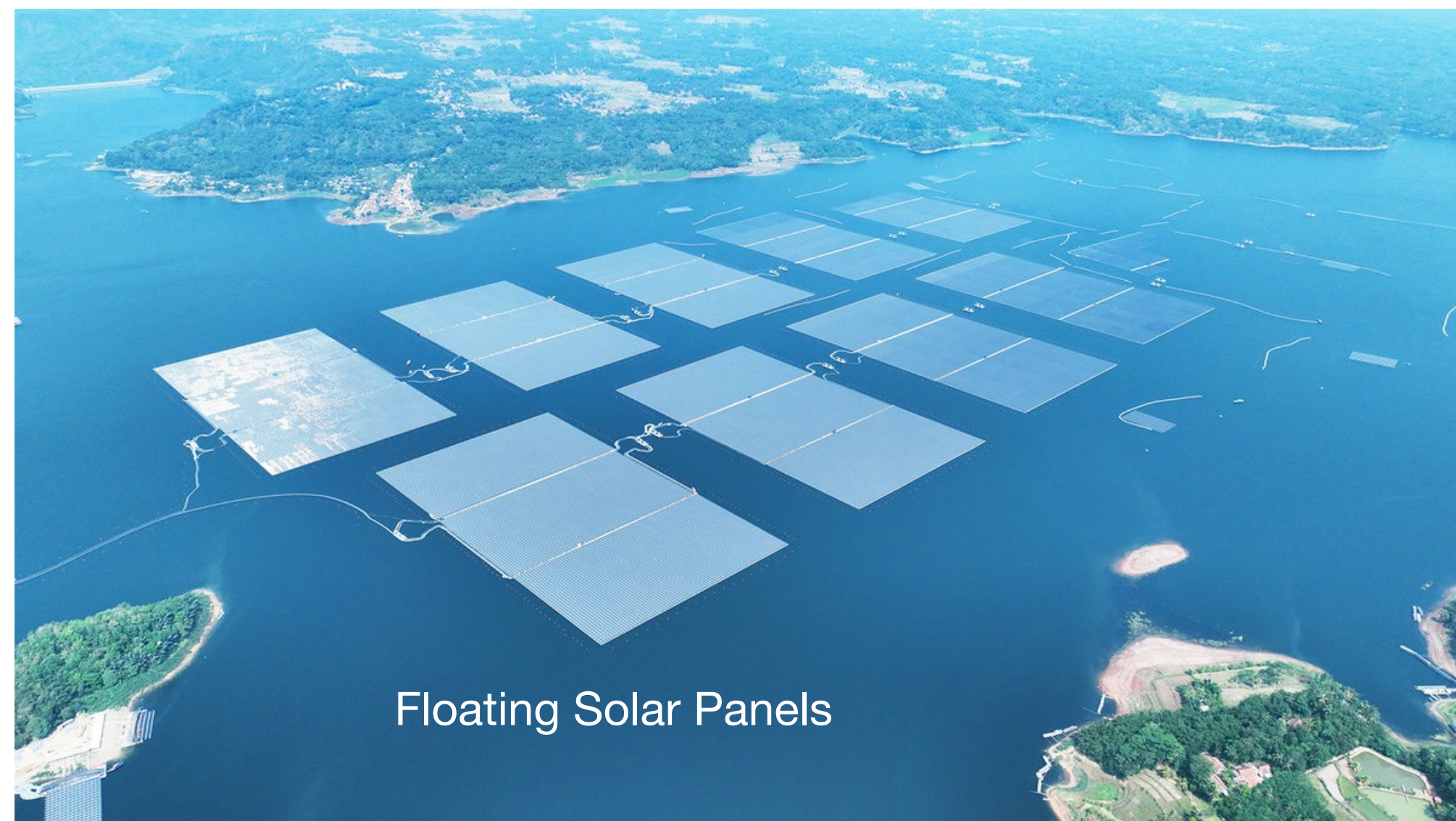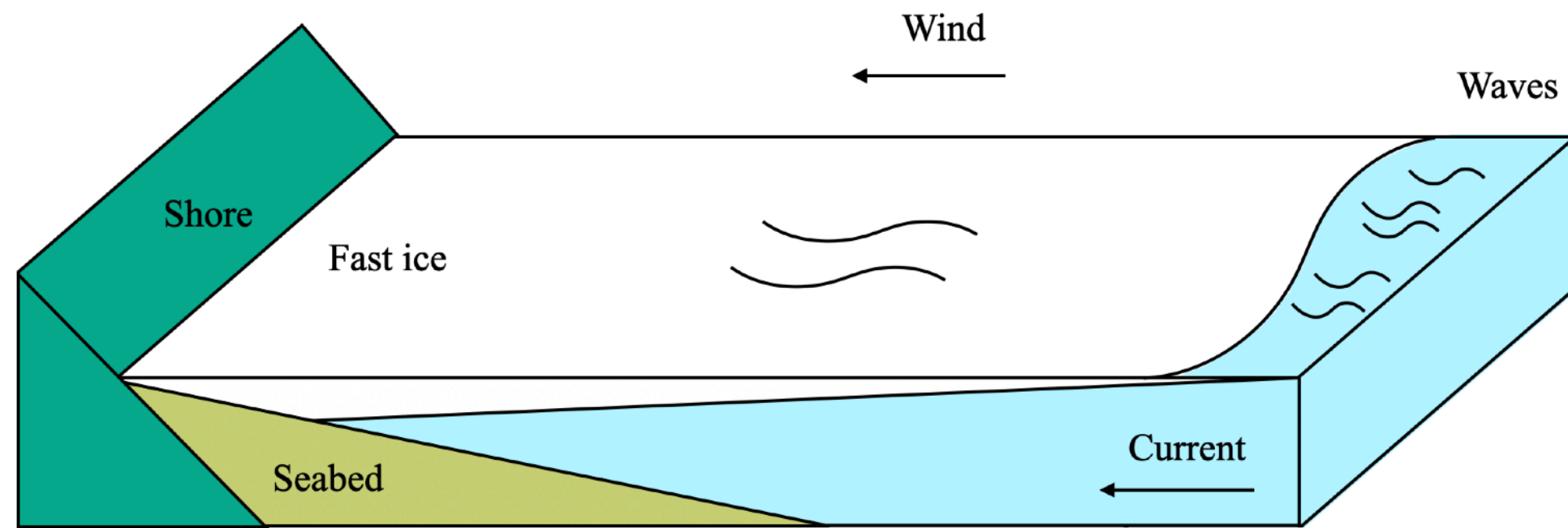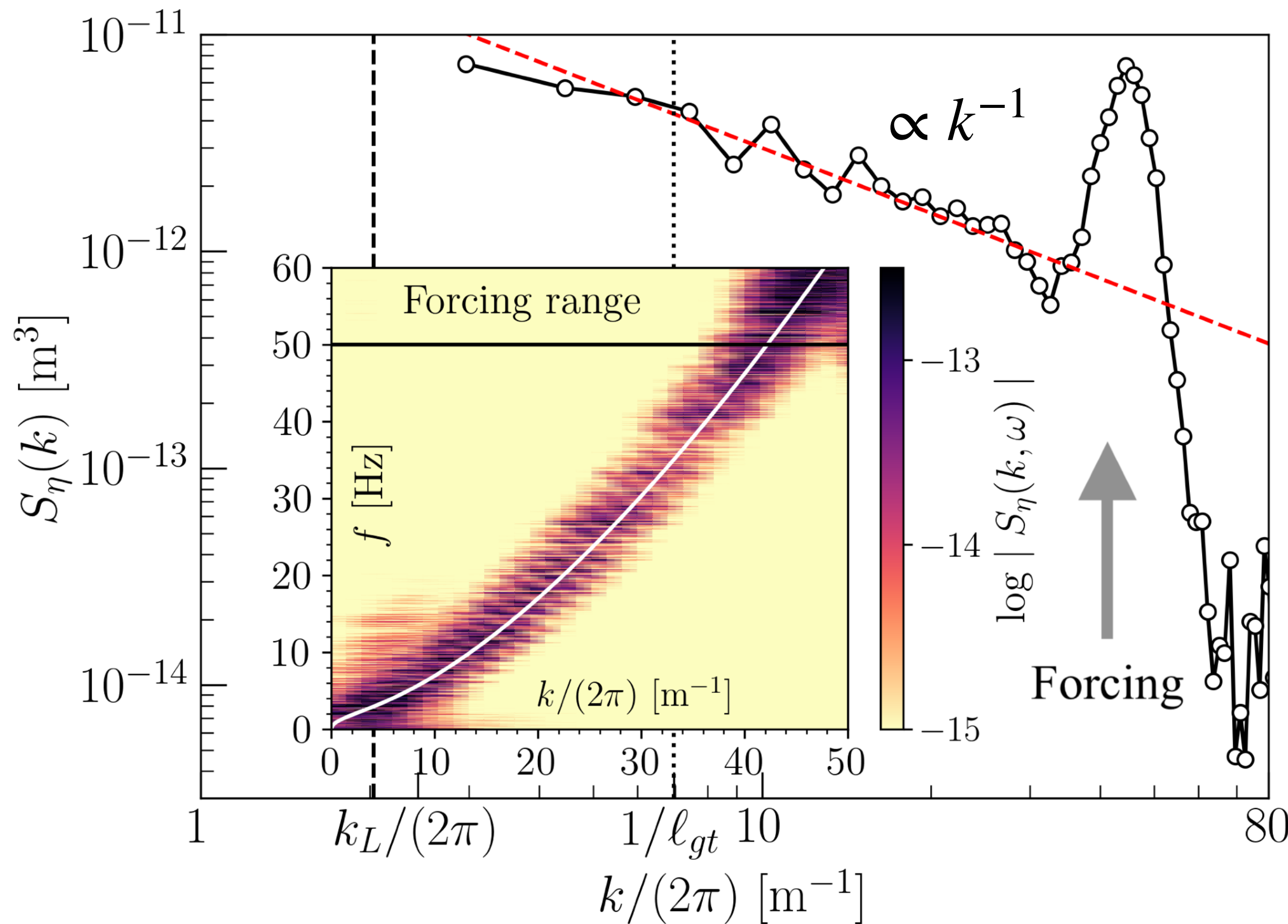# Experimental evidence of the statistical equilibrium of large scales in hydroelastic wave turbulence

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[Courtesy of Sungrow FPV]

Experimental evidence of the statistical equilibrium of large scales in hydroelastic wave turbulence

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Statistical equilibrium

- Energy injection at small scales
- Equipartition of the energy

Effective temperature

$$\theta \sim 10^{15} \text{ K}$$

$$S_\eta(k)^{\text{Eq}} = \frac{k_B \theta}{\pi T} k^{-1}$$

- Entropy
- Heat capacity
- Number of degrees of freedom