



# Who buried the seeds?

## A 'case' in salt marshes

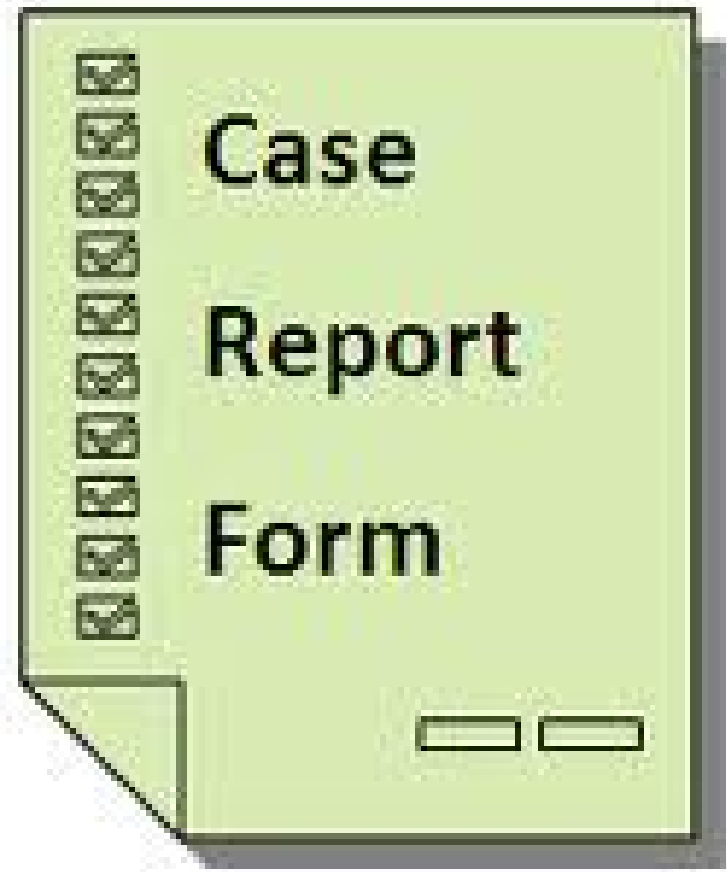


Zhenchang Zhu, Francesco Cozzoli, Tom Ysebaert, Peter Herman & Tjeerd Bouma

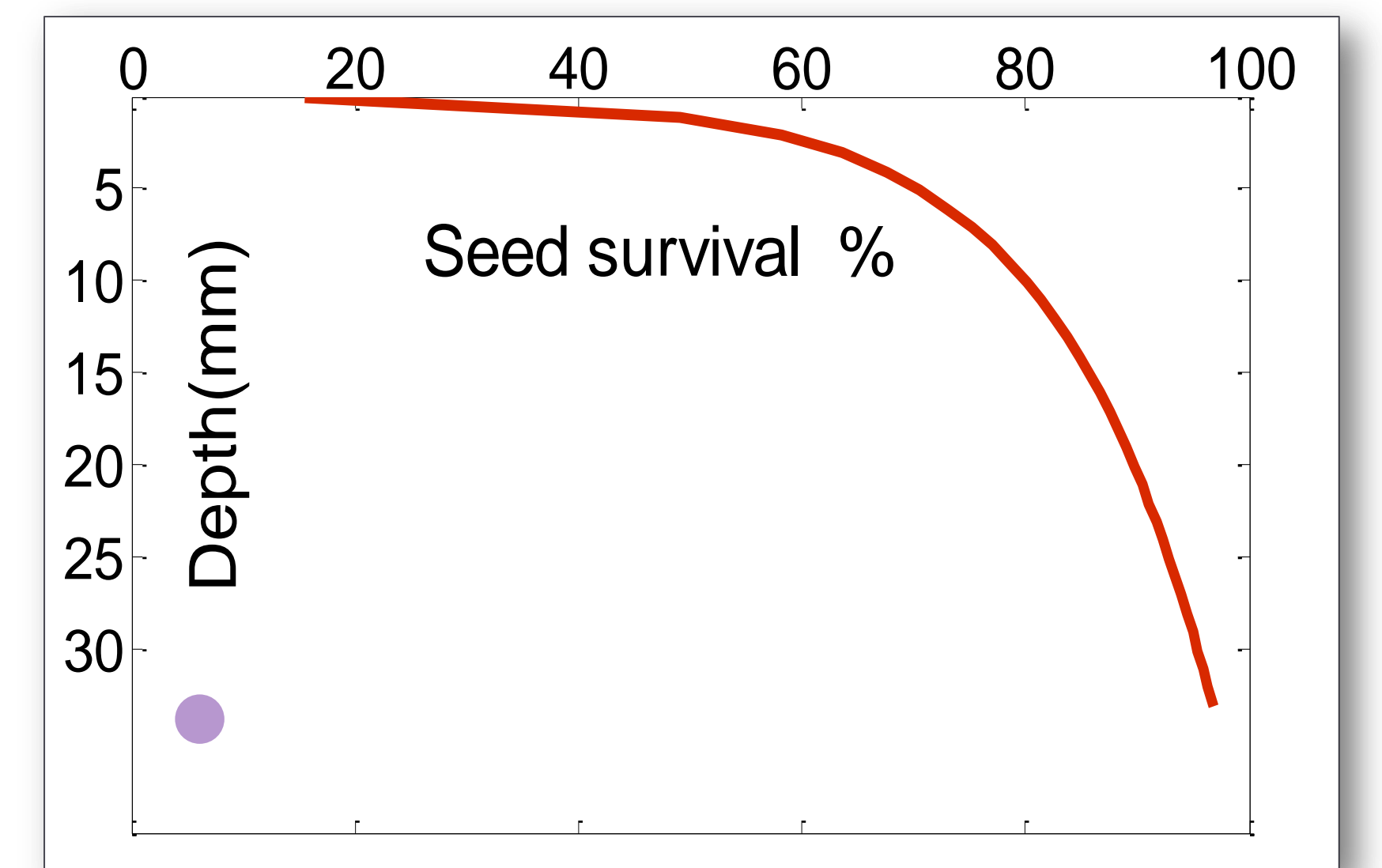
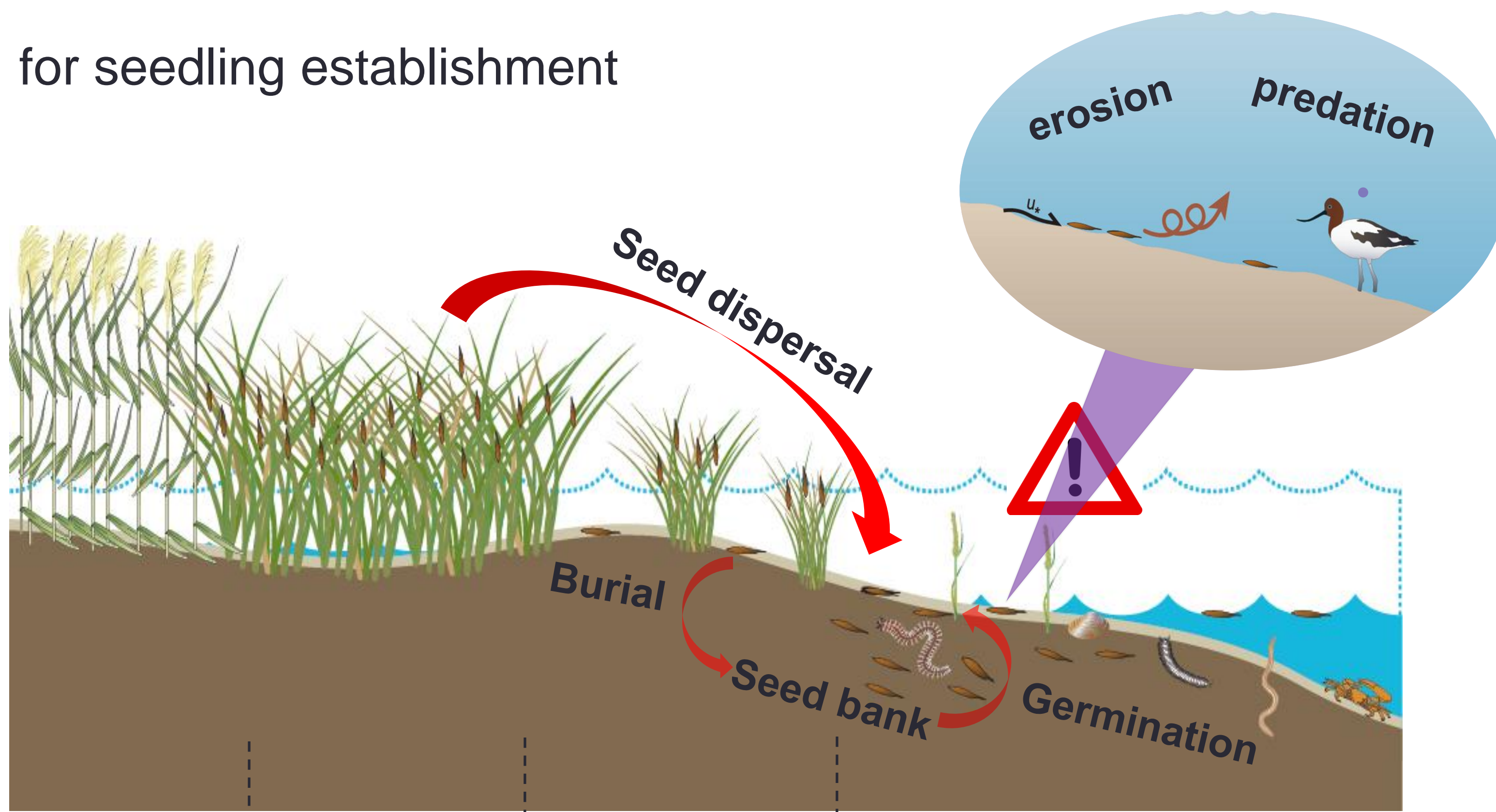
Seed survival => Prerequisite for seedling establishment

Surface => Dangerous!

To be safe? Move down ↓



'Report a case'



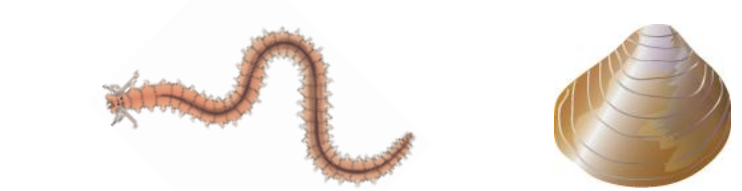
Who got seeds buried ?

High marsh | Low marsh | Pioneer zone | Mudflat



'Suspects'

BIO



Benthos activity

PHY



Hydrodynamics

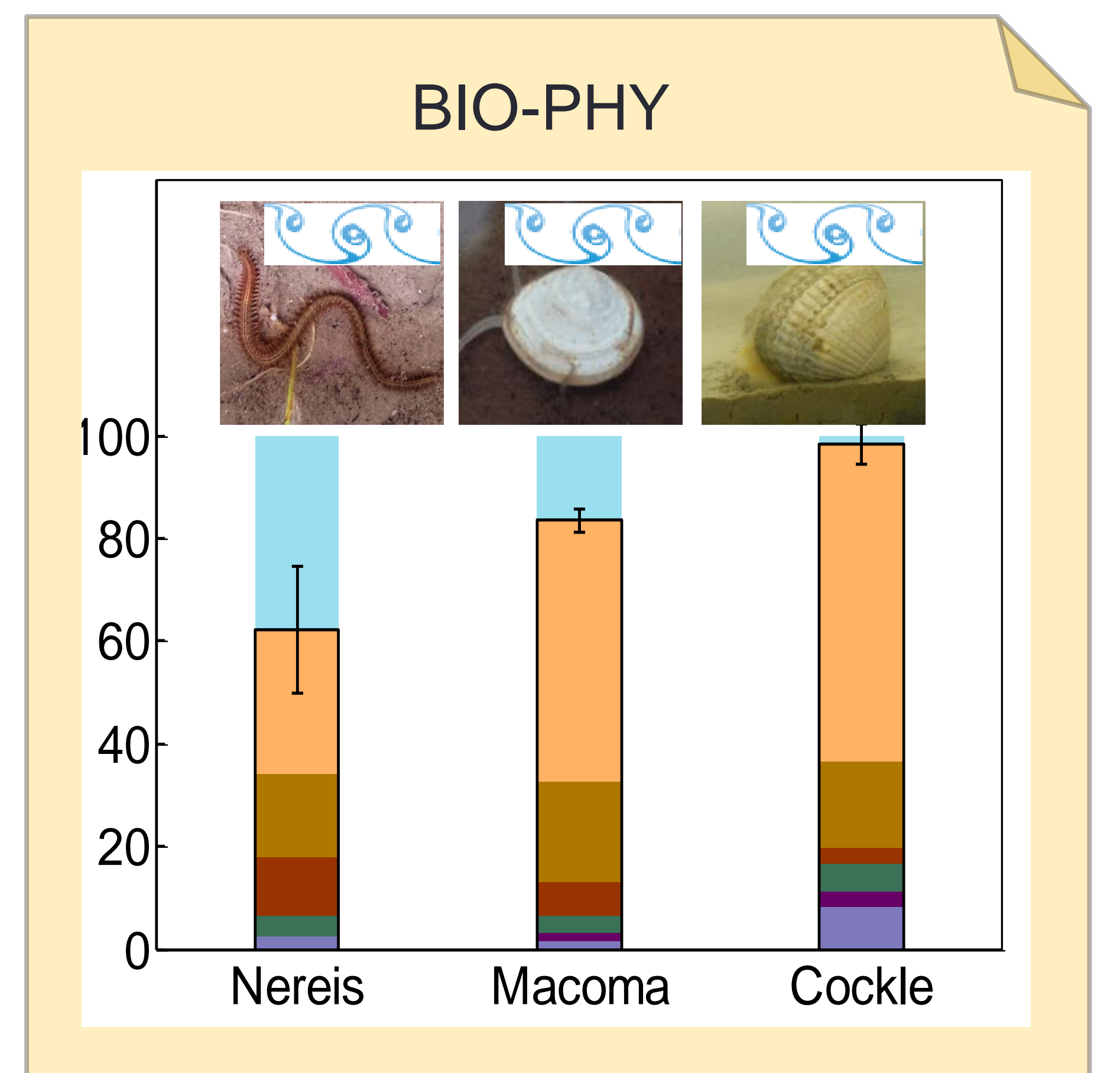
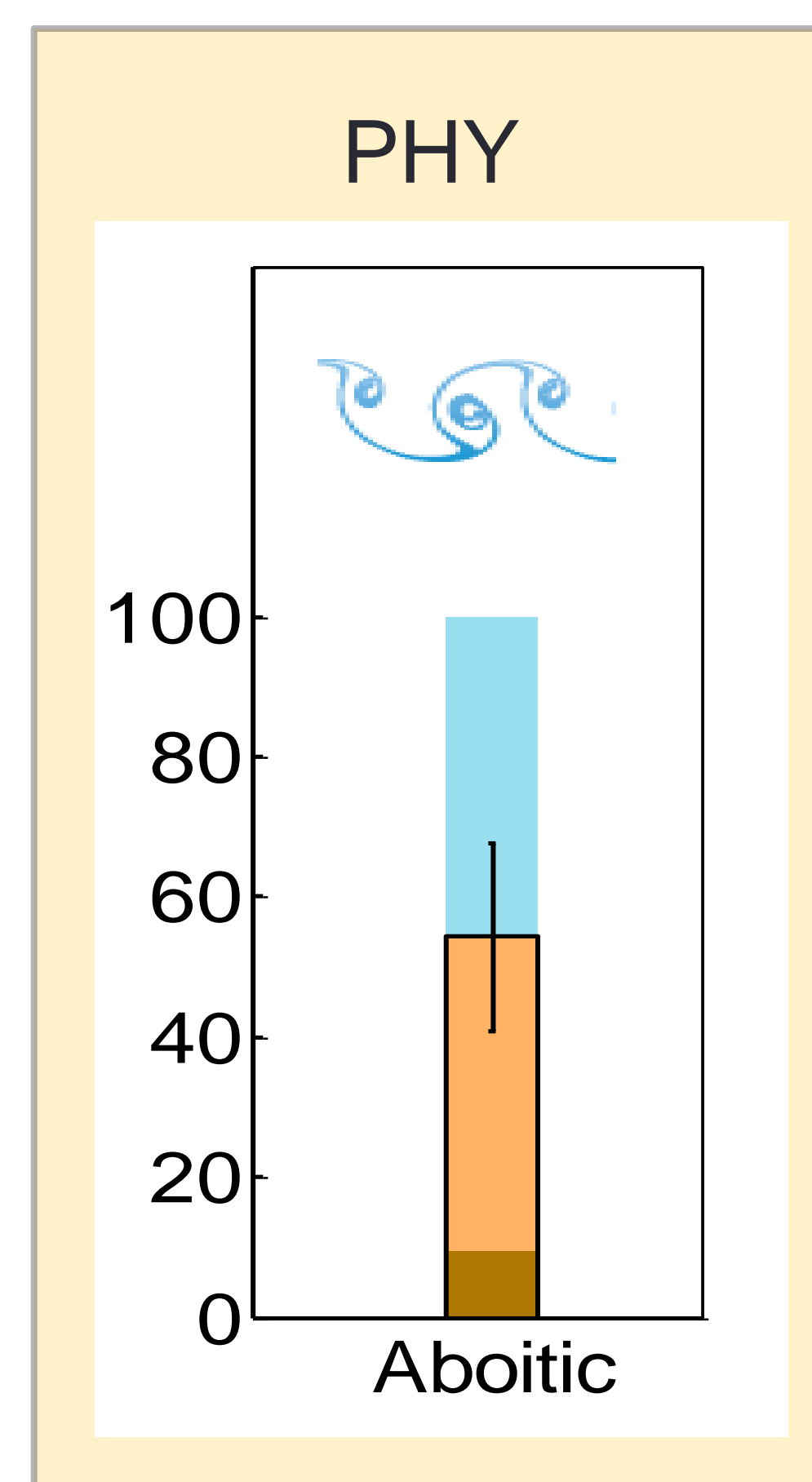
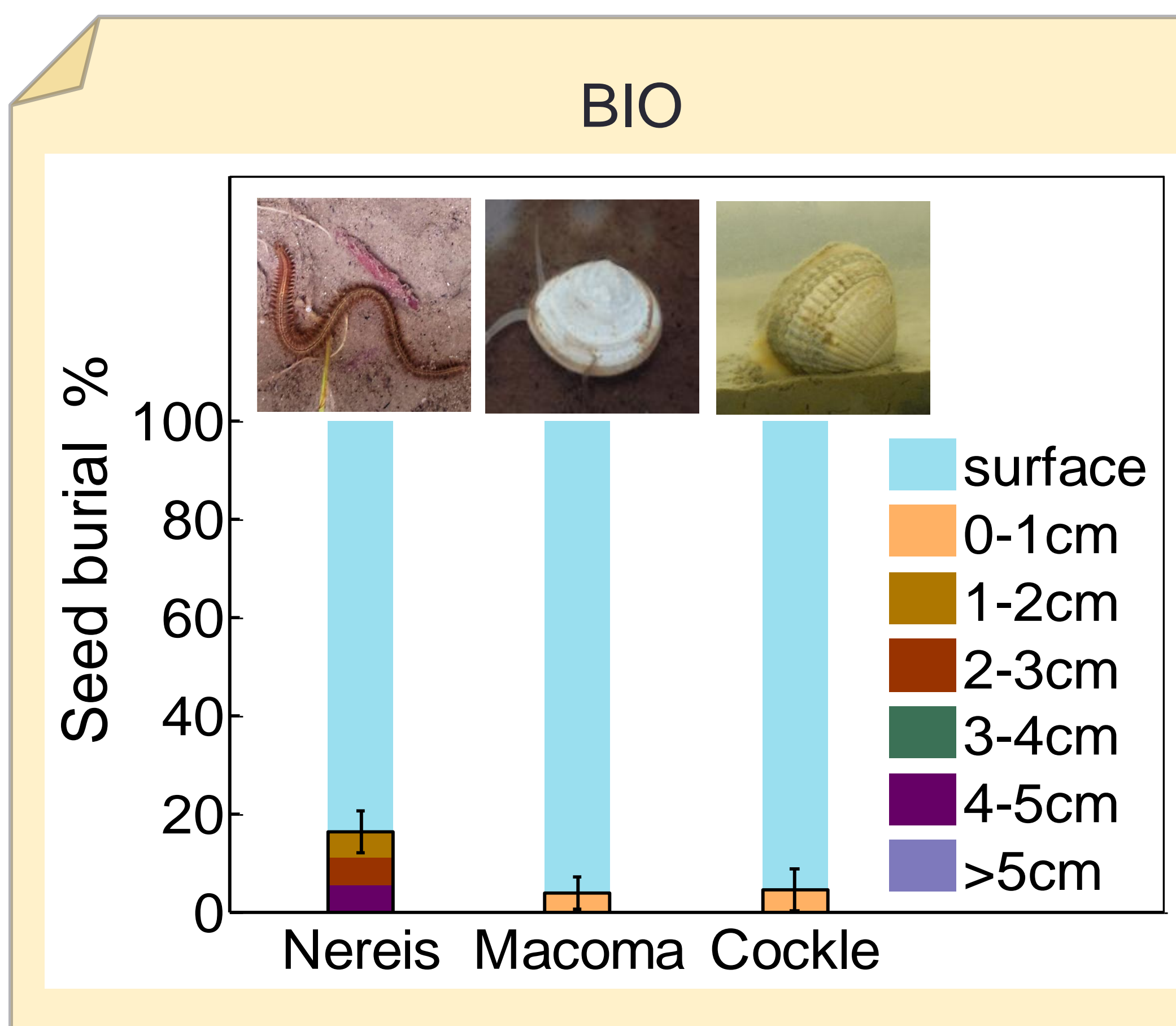
BIO-PHY



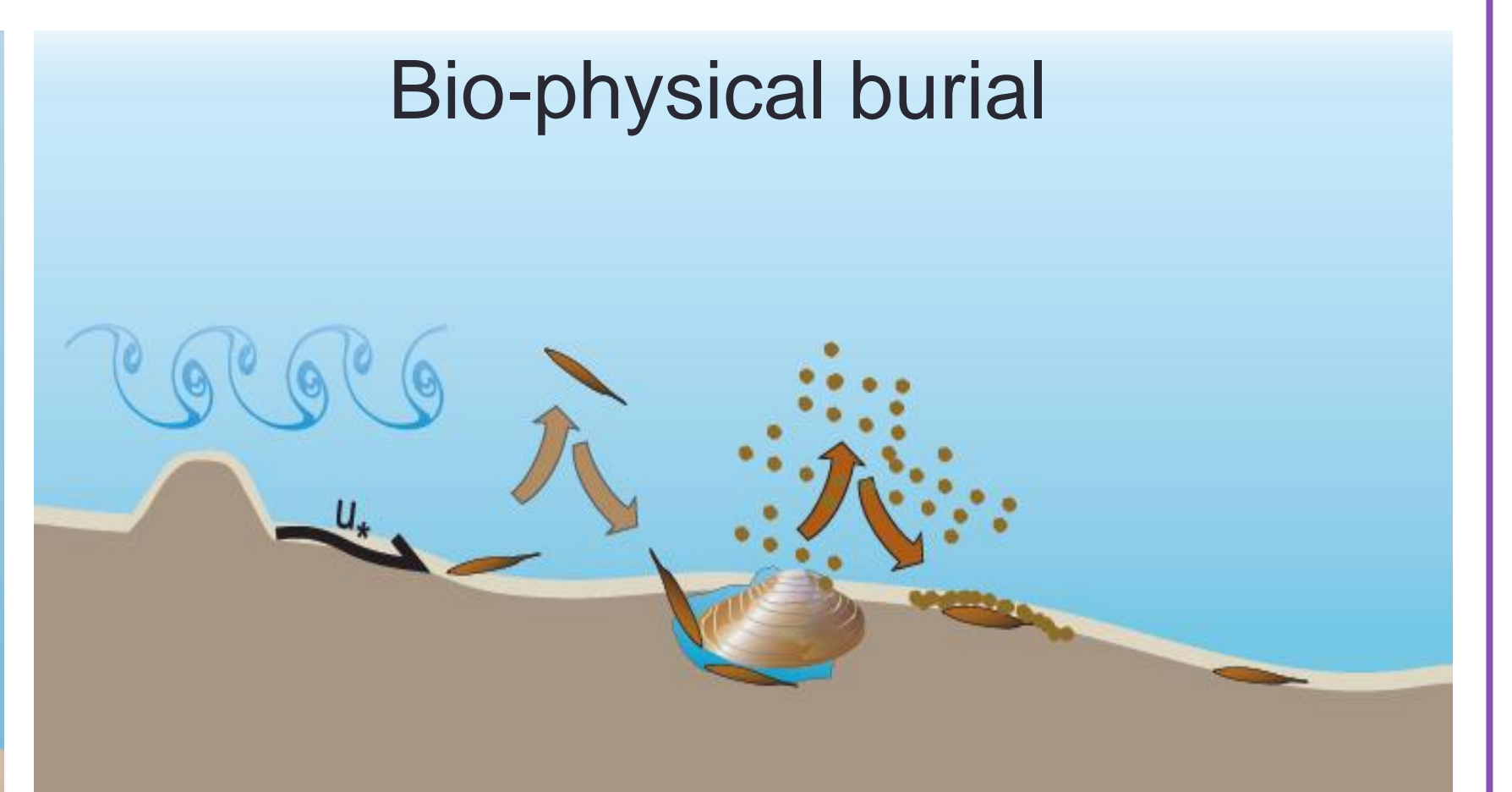
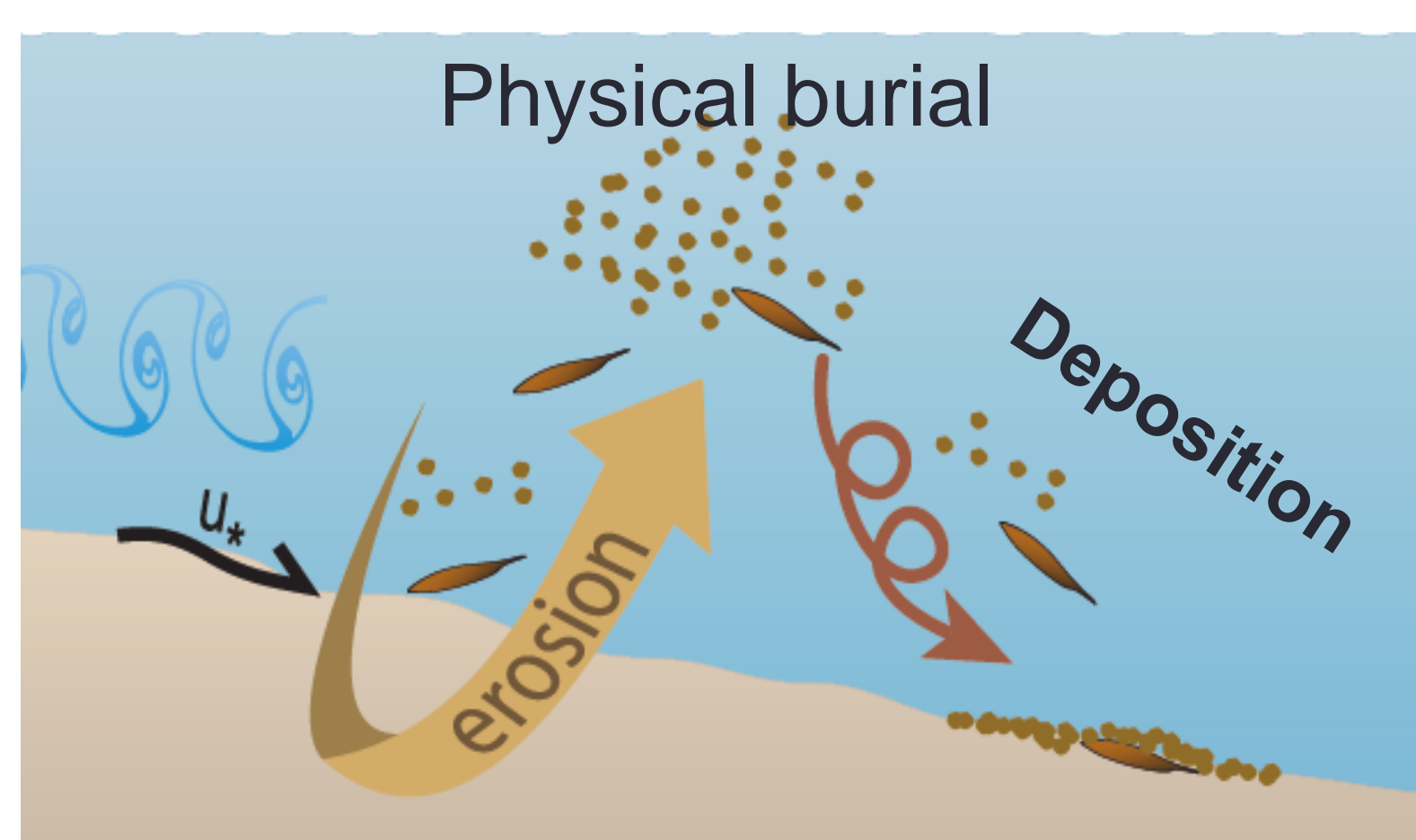
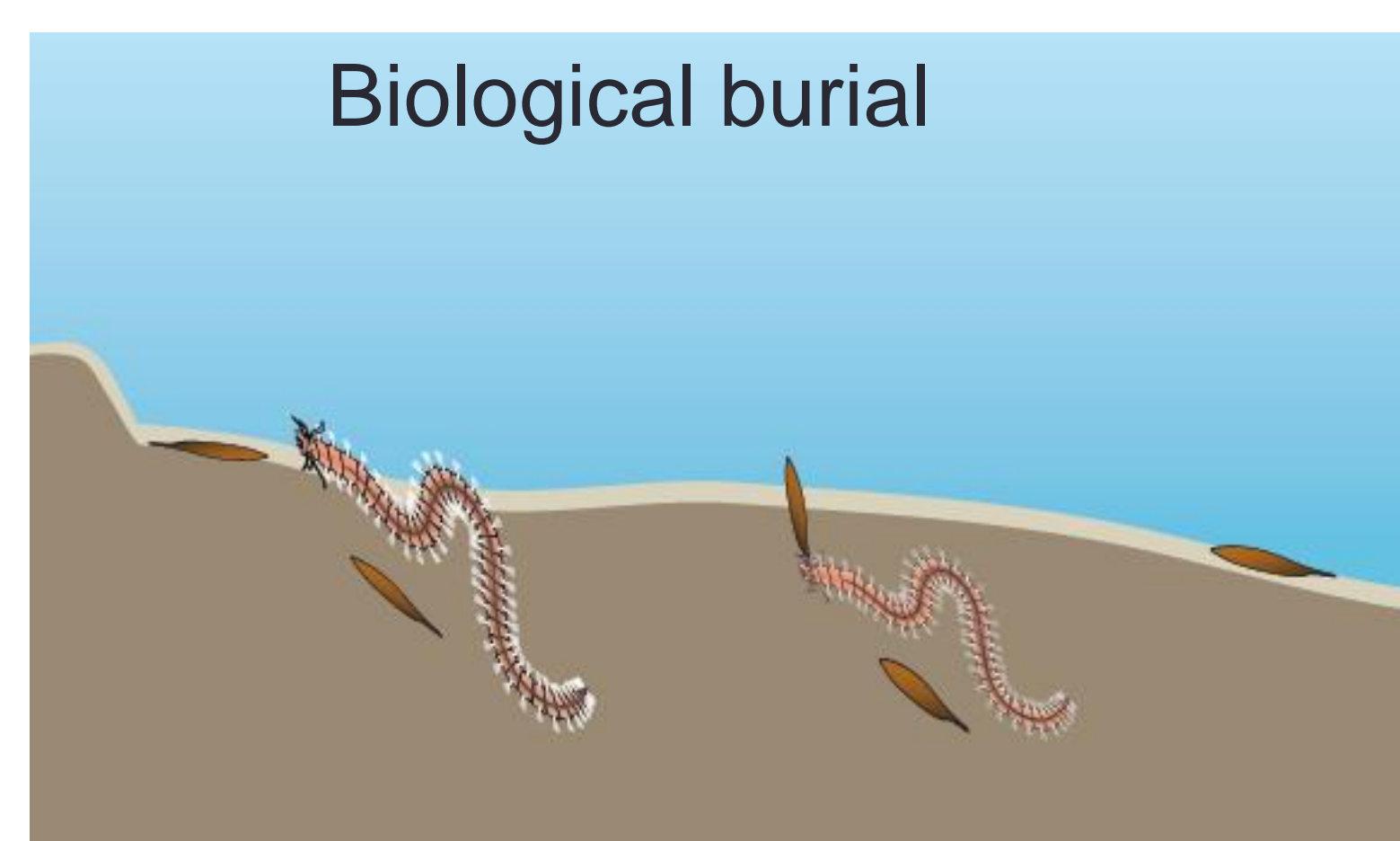
Bio-physical interaction



'Evidences'



'Trail' & Judgement'



1. Physical process (PHY) can get a large number of seeds buried
2. Benthos activities (BIO) are able to move seeds deeper
3. Bio-physical cooperations (BIO-PHY) result in stonger seed burial effect ⇒ 'Principal offender'



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