

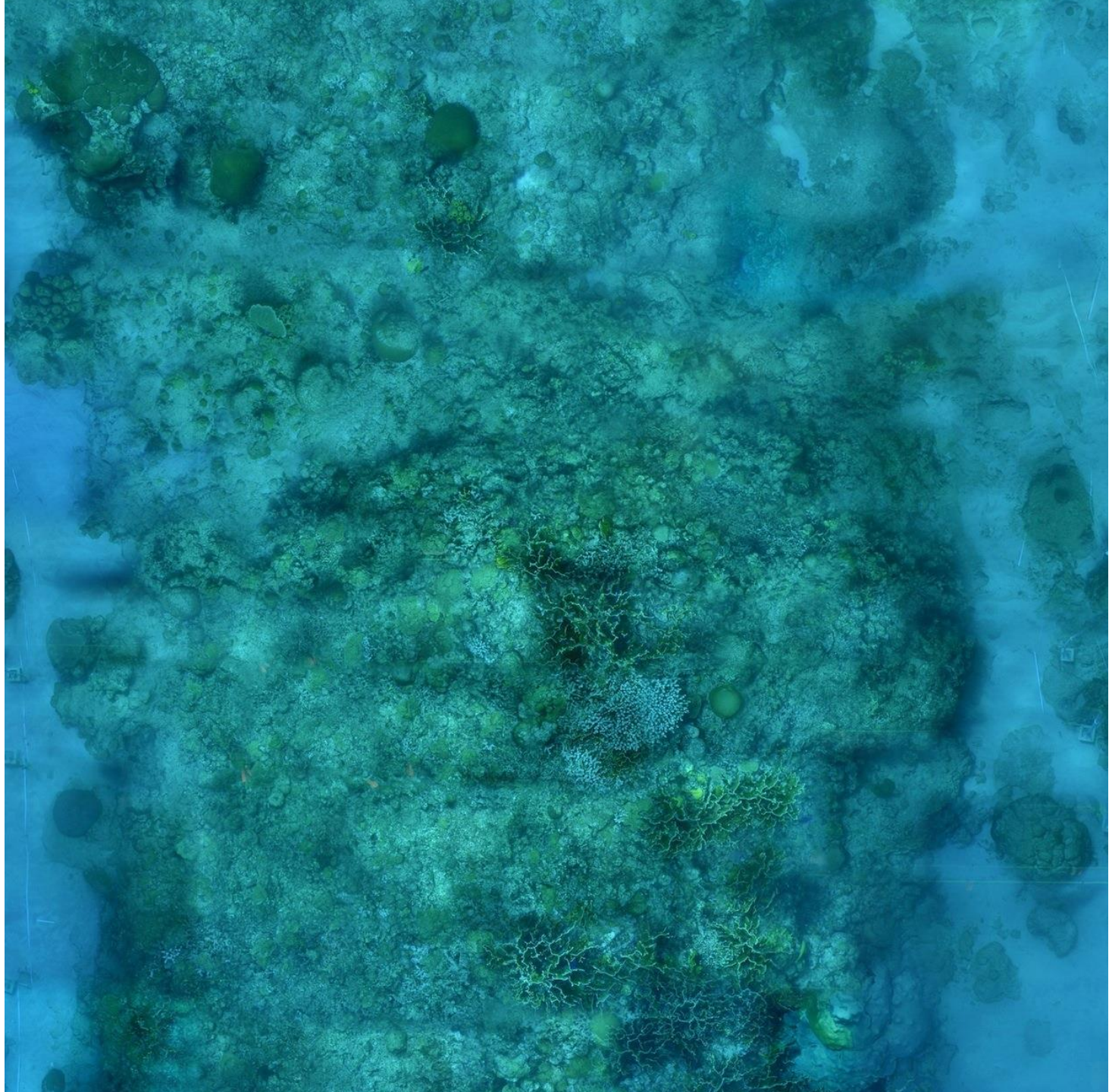
Curious Marine Exploration Robots

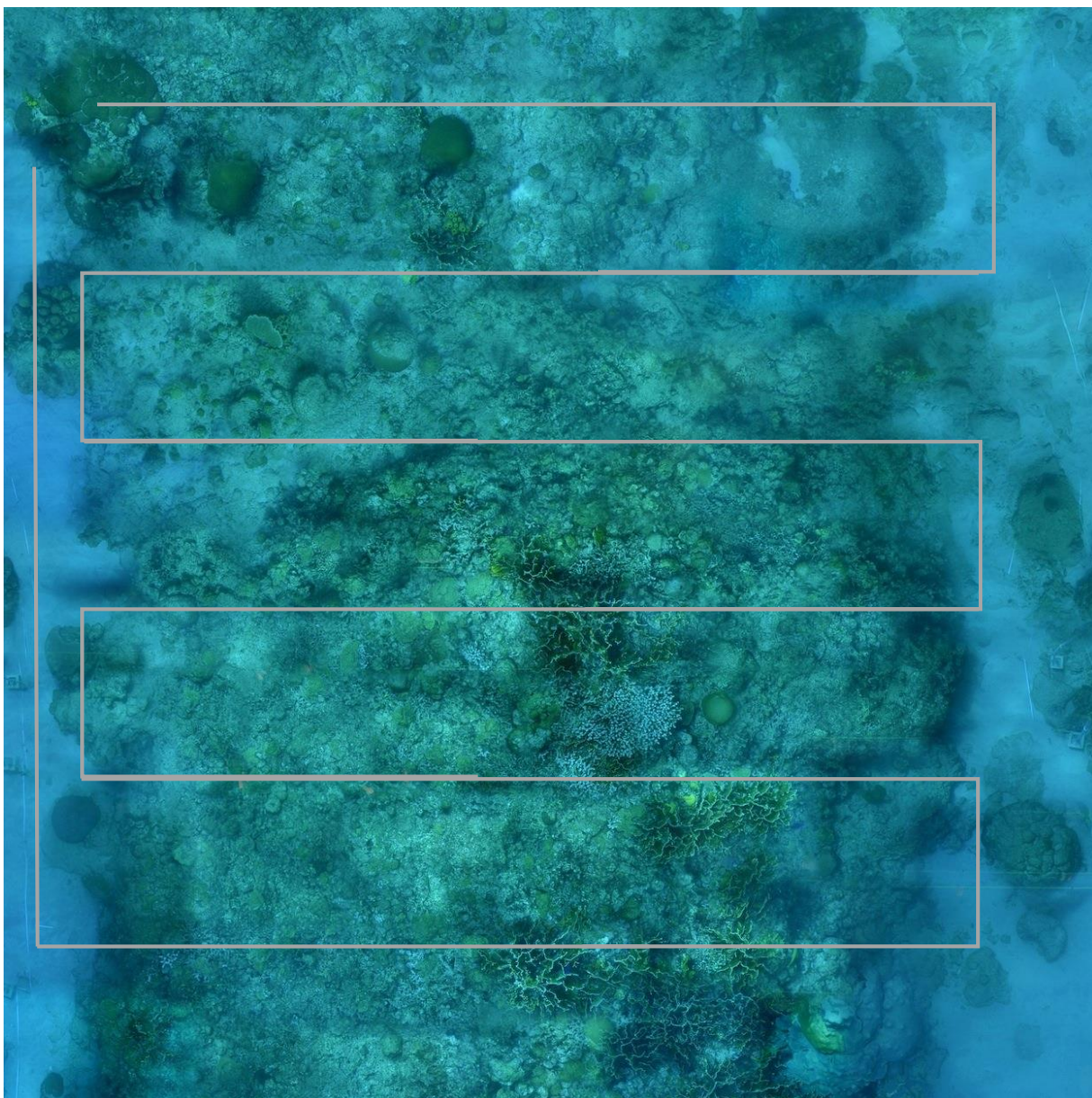


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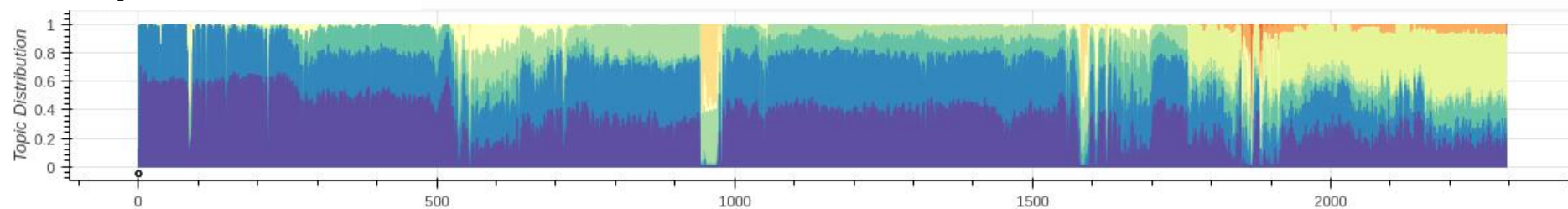




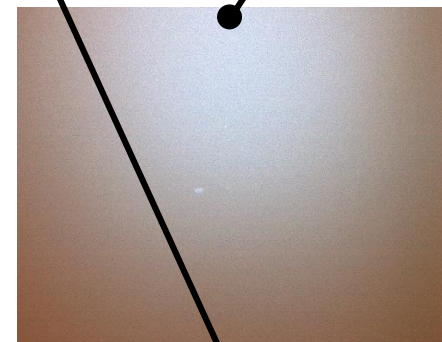
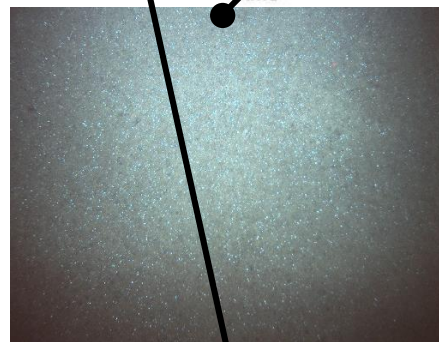
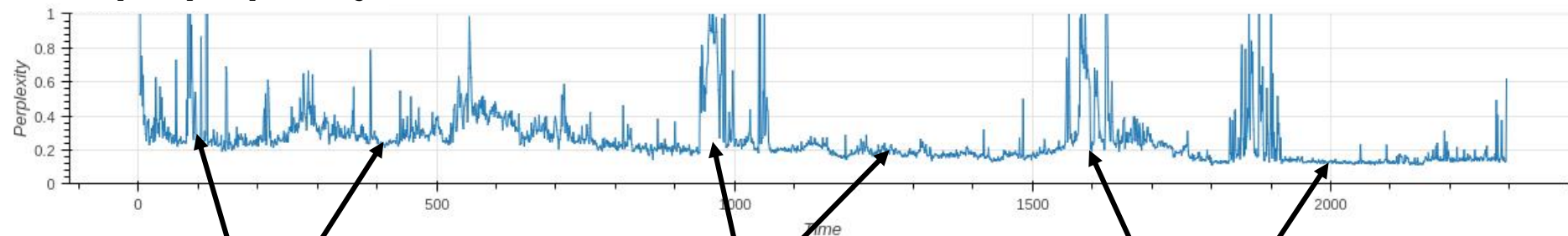




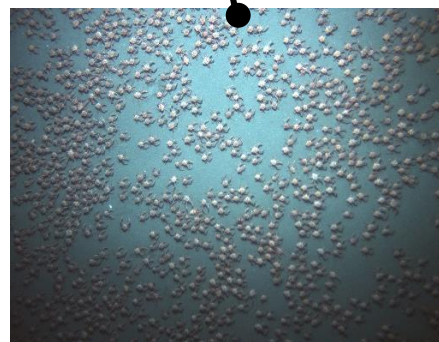
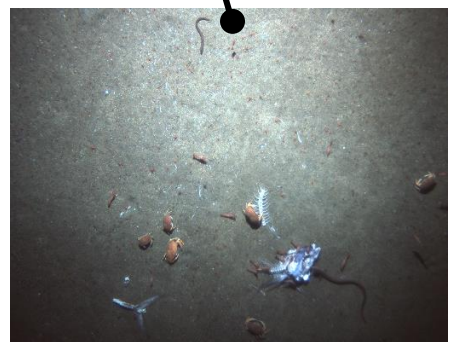
Topic distribution



Topic perplexity

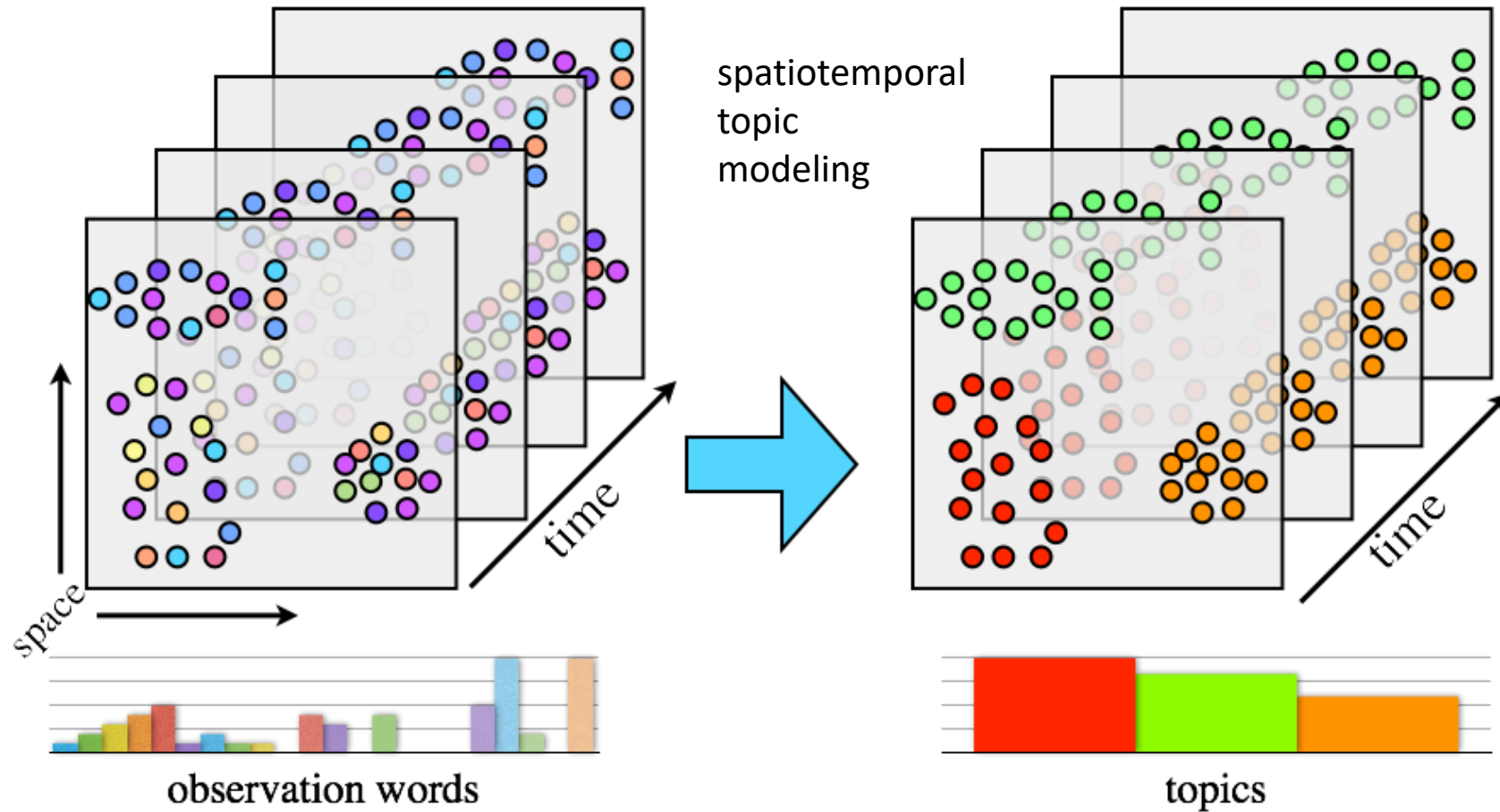


boring



surprising

- Unsupervised.
- Spatiotemporal context.
- Sparse representation.
- Nonparametric: grows in complexity with the data.
- Realtime, lifelong learning and inference.
- Multimodal.



Ocean data are sparse

File Station

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topics

words

d20150404_3

d20150404_4

d20150405_5

d20150409_7

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d20150410_9

d20150411_10

d20150412_11

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d20150417_16

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