Preliminary exploration of approaches

Interpolator planning meeting

5-20-21

Simulator components

Long term temporal patterns

Smoothly varying change from observations aided by deterministic relationships with continuously available information (flow, wind, temperature, dynamic model output, etc)

Key data example: Long-term fixed network

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Spatial structure

Spatial autocorrelation; anisotropy in depth direction; deterministic relationships to other spatial data (bathymetry, satellite images, etc)

Key data example: Dataflow

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Short term temporal variability

Daily & tidal cycling, temporal autocorrelation, etc

Key data example: Conmon

"4d" Spatial & temporal estimates of DO