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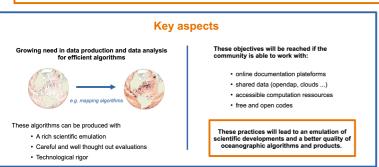
Feedbacks from altimetry and perspectives for surface currents.

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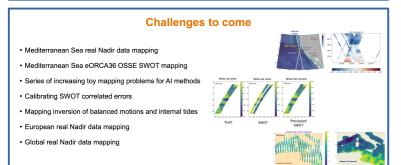
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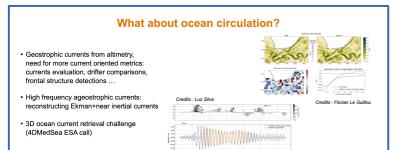
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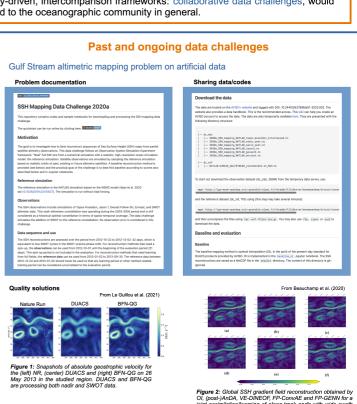
Abstract: Algorithms using trainable components, data assimilation and other inverse techniques are becoming unavoidable tools for designing high-level data products leveraging oceanic observations for a wide range of applications. These fast and promising advances are speeding up the pace of technological and scientific progress in our field. However, because of the variety of approaches, sometimes emanating from different communities and scattered research groups, keeping track of progress is becoming more difficult. This is why fostering community-driven, intercomparison frameworks: collaborative data challenges, would be of great benefit for creating the next-generation high level ocean data products and to the oceanographic community in general.



Feedbacks Key ingredients for a successful data challenge · Pertinent problem identification · Sharing codes Detailed problem documentation Collaborative metric definition · Effective data distribution · Orchestration collaborations Available computation ressources Community building









SWOT KaRIn noise filtering

SWOT karin error filtering 2022a

Data Challenges SWOT KaRIn error filtering

Objective: denoising SWOT data
OSSE Intercomparison (eNATL60)
Platform for sharing codes, computing resources and evaluation metrics
Scientific contributions: preparing SWOT data, crucial for derivative computation

