Coastal Intelligence - A national infrastructure to support decision-making for coastal communities, economies and ecosystems

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The National Ocean Service (NOS), a Line Office within NOAA, is primarily responsible for fostering healthy and sustainable marine resources, habitats and ecosystems, strengthening the resiliency of communities, as well as being the nation's leader in observing, modeling and managing coastal, ocean and Great Lakes areas. NOS and numerous partners also play a critical role along the coasts and in marine ecosystems by providing science-based products and services to support a wide variety of applications. Coastal Intelligence however, goes one step further to support ecosystems, economies and communities by providing the infrastructure to integrate numerous observing systems and interpreting the scientific data into information that people can use. This poster will focus primarily on the science, observing systems and data modeling that support Coastal Intelligence and how accurate information can ensure timely and actionable decision-making for coastal communities and ecosystems.