

AIIM: Advanced Infrastructure Integrity Modeling

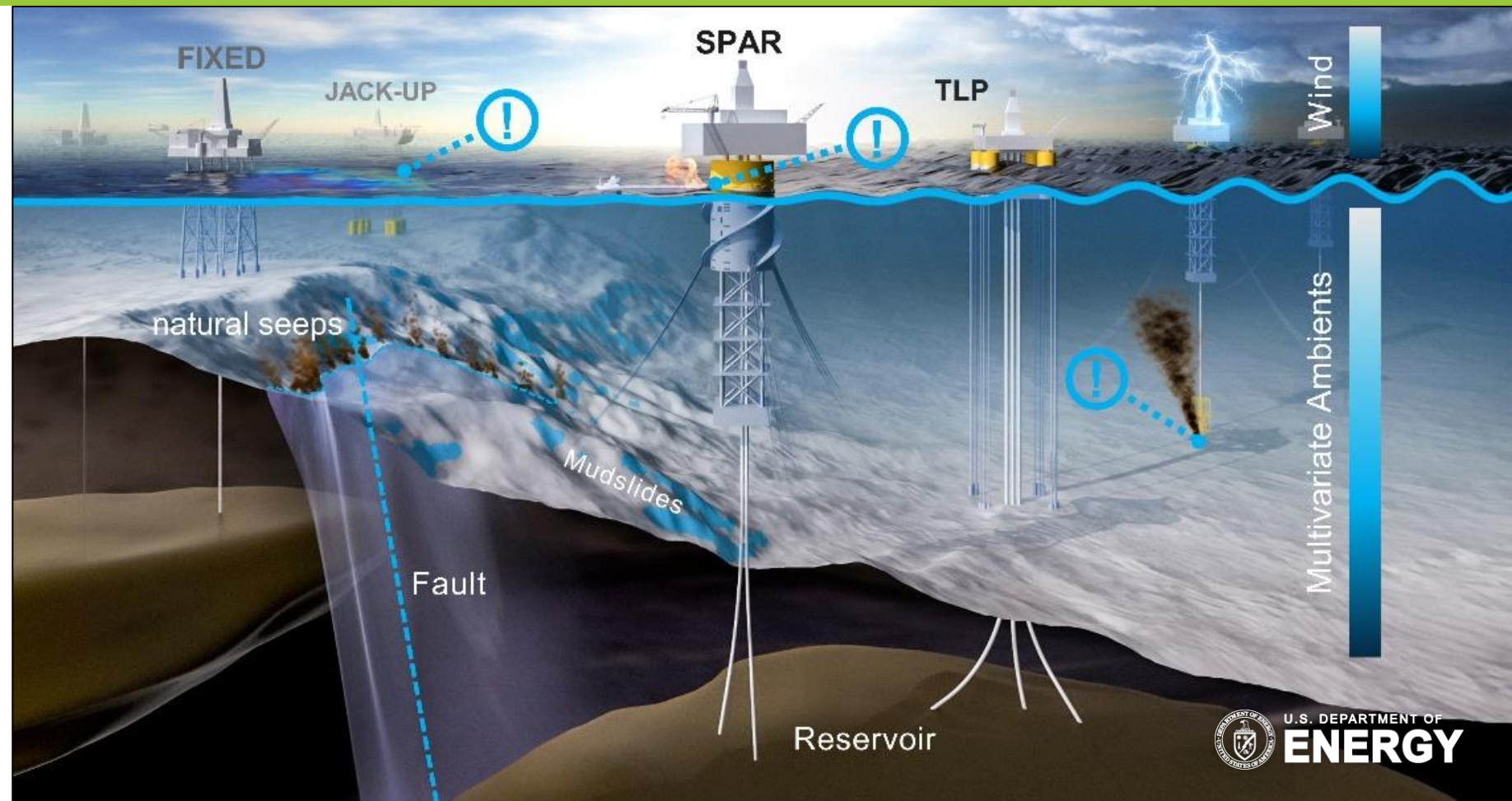
Evaluating Offshore Energy Infrastructure for Safe Reuse, & Repurposing



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Disclaimer



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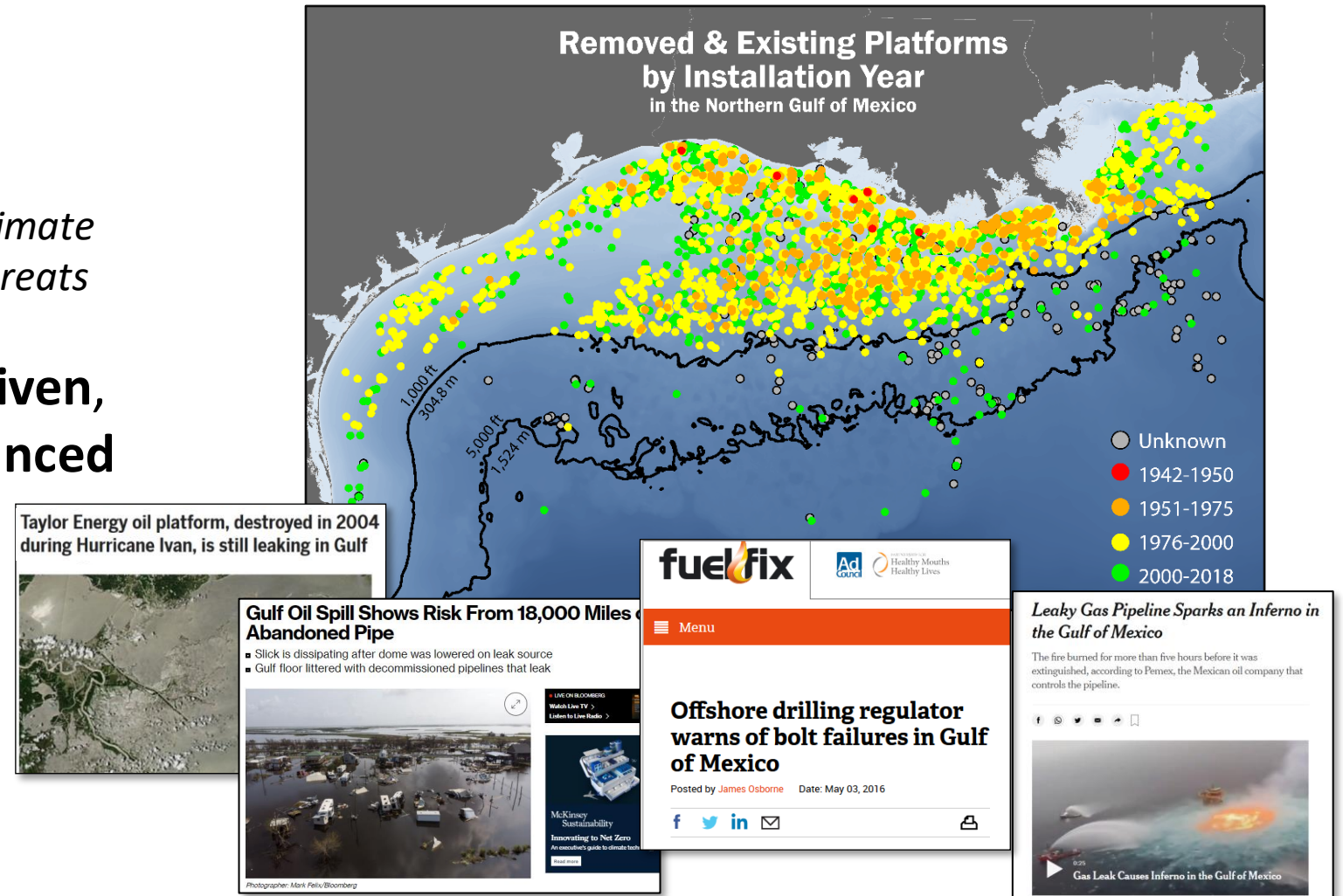
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Energy Infrastructure Security

What is the need?

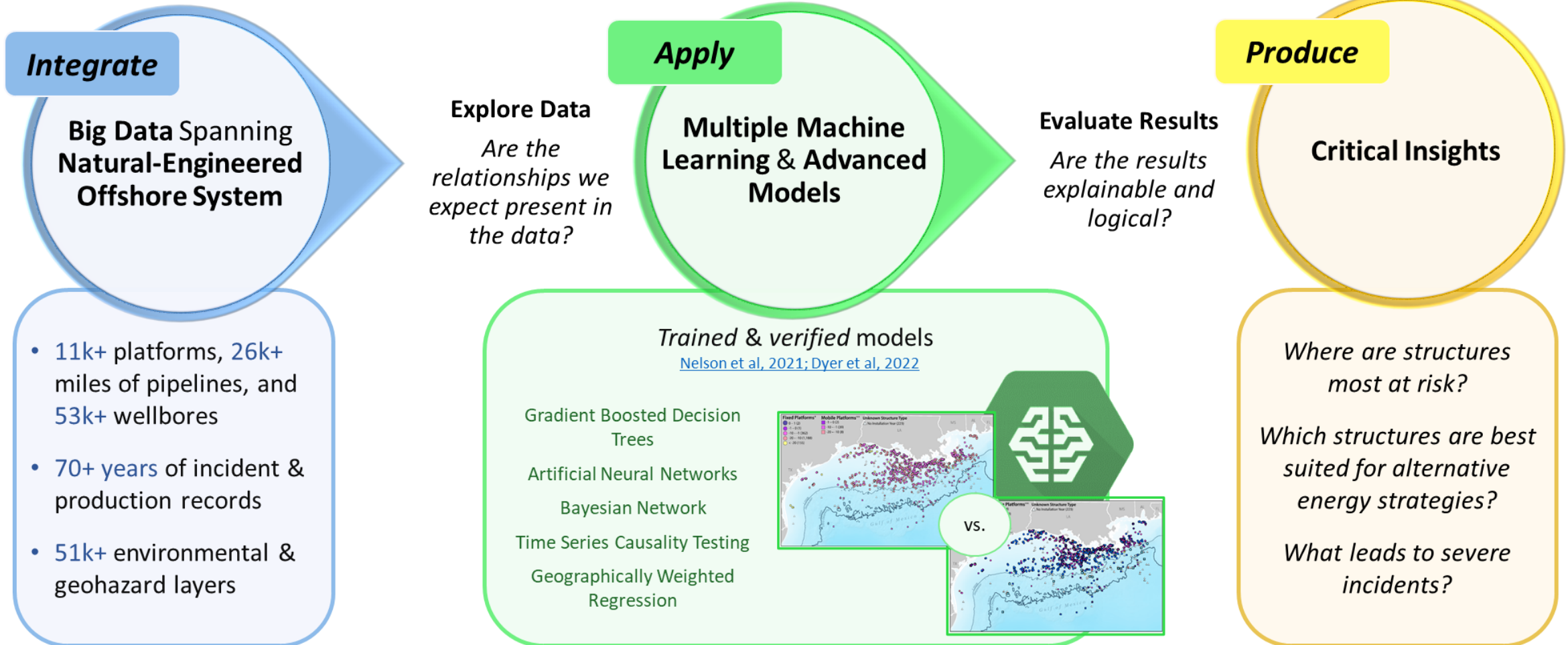
- Offshore operations are often remote & risky
 - Aging infrastructure
 - Natural hazards
 - Changing climate
 - Domestic threats
- Developed **AIIM**, a data-driven, multi-machine learning & advanced analysis model, to evaluate structural integrity
- Values Delivered:
 - Identify hazards & *prevent risk*
 - Inform *safe* reuse & repurposing as energy security strategies
 - Evaluate *possibilities* and *liabilities*



<https://edx.netl.doe.gov/offshore/portfolio-items/assessing-current-and-future-infrastructure-hazards/>

Full System Analytics Informing Local Predictions

AIIM : Advanced Infrastructure Integrity Modeling

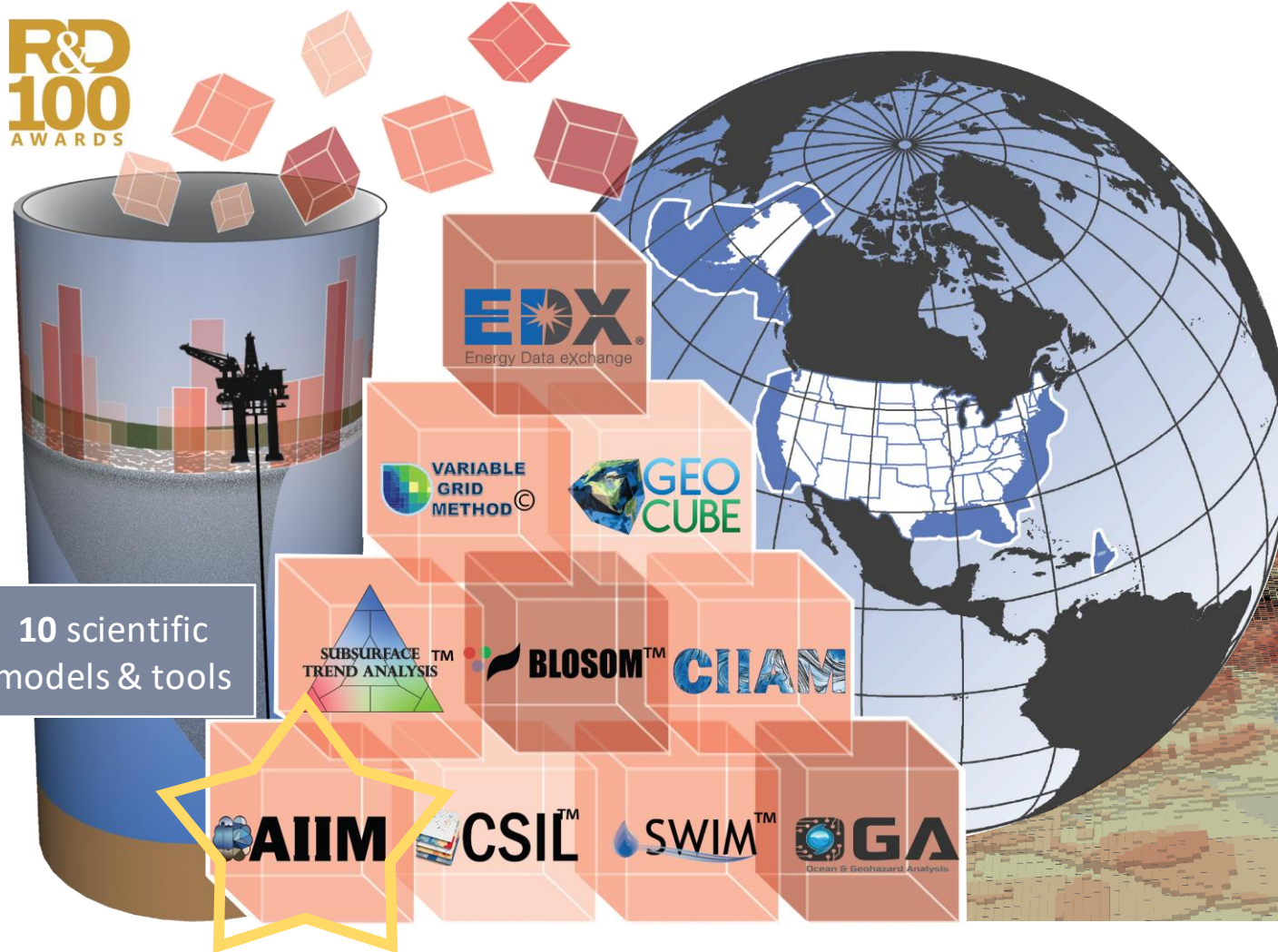


<https://edx.netl.doe.gov/offshore/portfolio-items/assessing-current-and-future-infrastructure-hazards/>

A Decade of Critical Insights for Prevention

Offshore Risk Modeling Suite: Minimize Risk, Maximize Opportunity

**R&D
100
AWARDS**

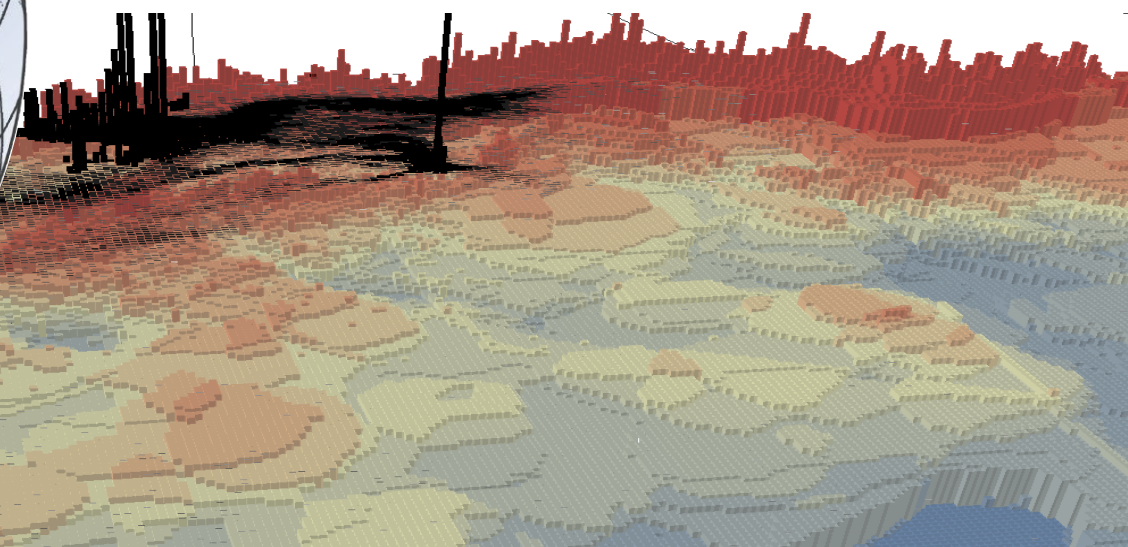


Publicly available

Built for **regulators & stakeholders**

Support **risk prevention**

Configurable for **many applications**



<https://edx.netl.doe.gov/offshore//>

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