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Environmental Information and Renewable Energy Planning

California Offshore Wind Research, Data, and Applications

Scott Flint

1/28/2020

Staff Workshop on Offshore Wind Research, Data, and Applications

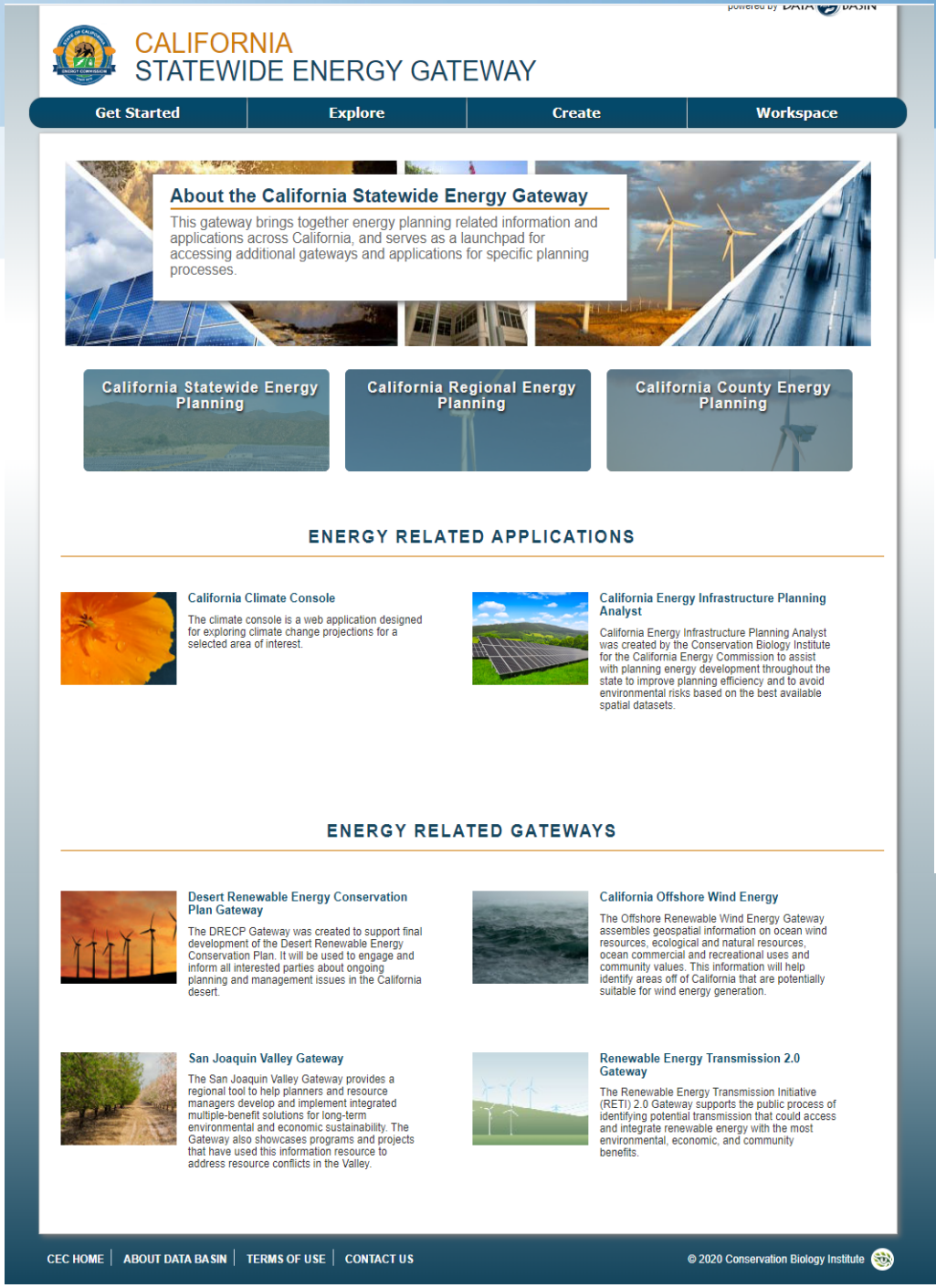
California Energy Commission

California Statewide Energy Gateway

https://caenergy.databasin.org/

Access to:

- Project Gateways
- Applications
- Logic Models
- Datasets

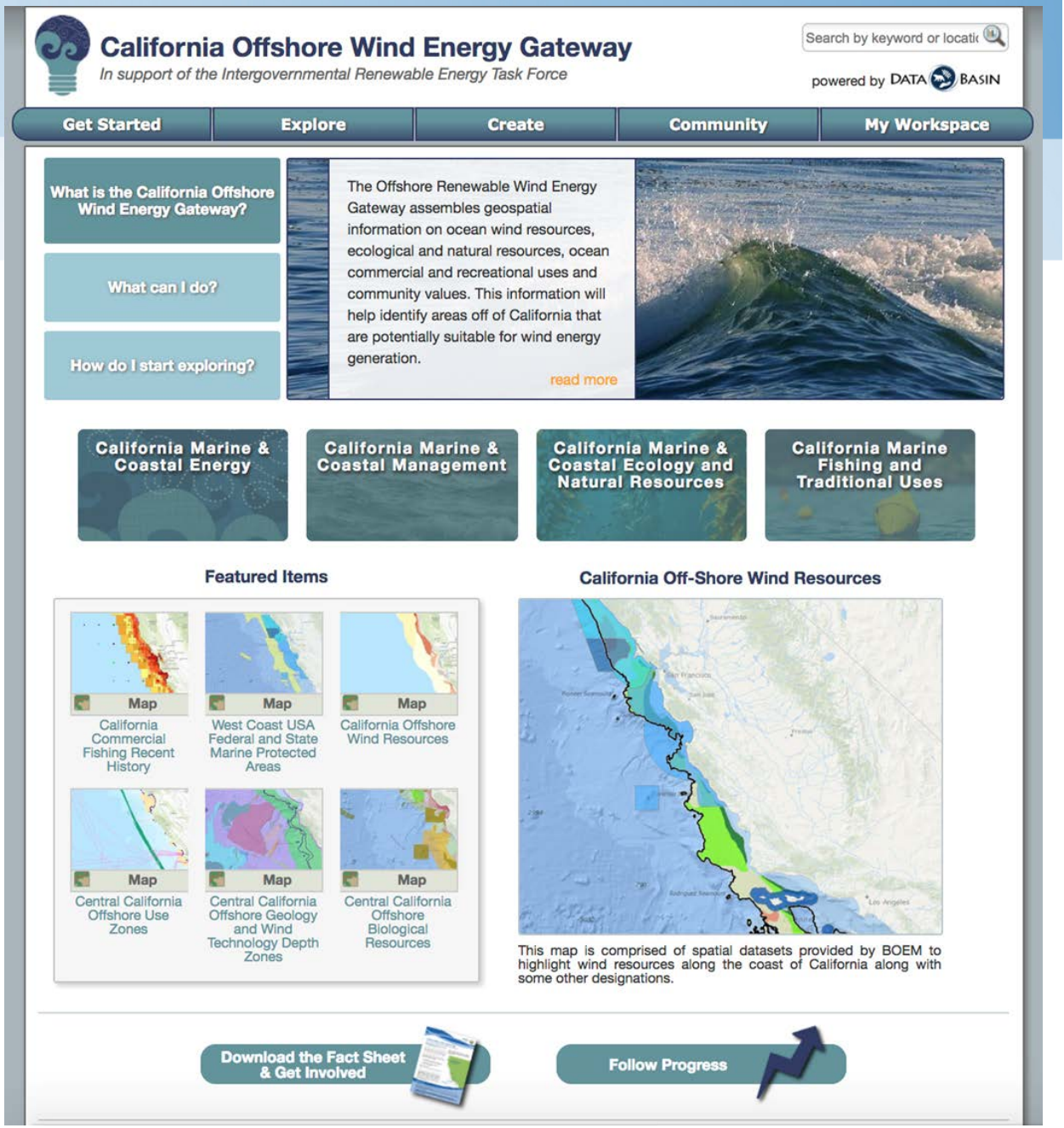


California Offshore Wind Energy Gateway

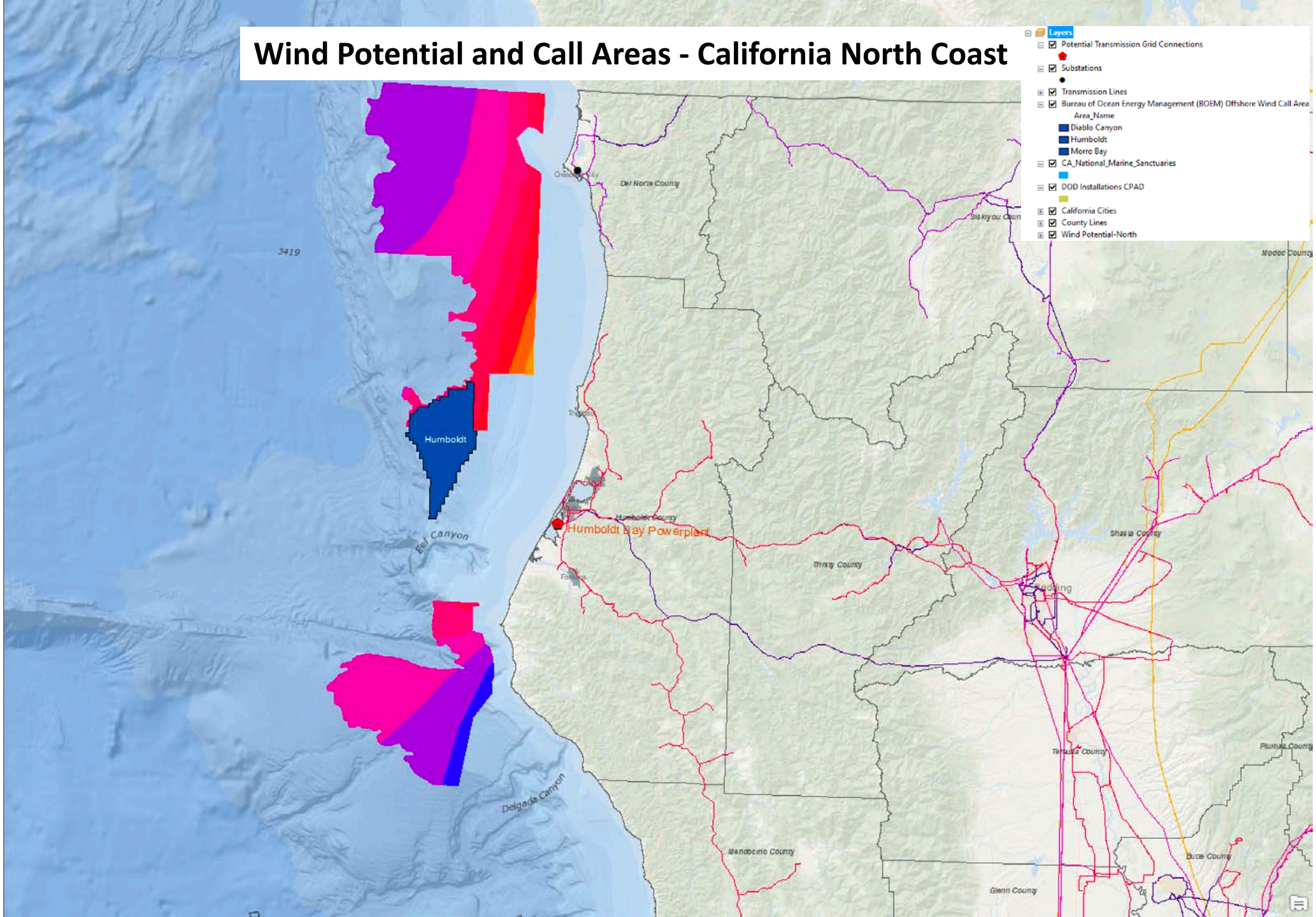
https://caoffshorewind.databasin.org//

Access to:

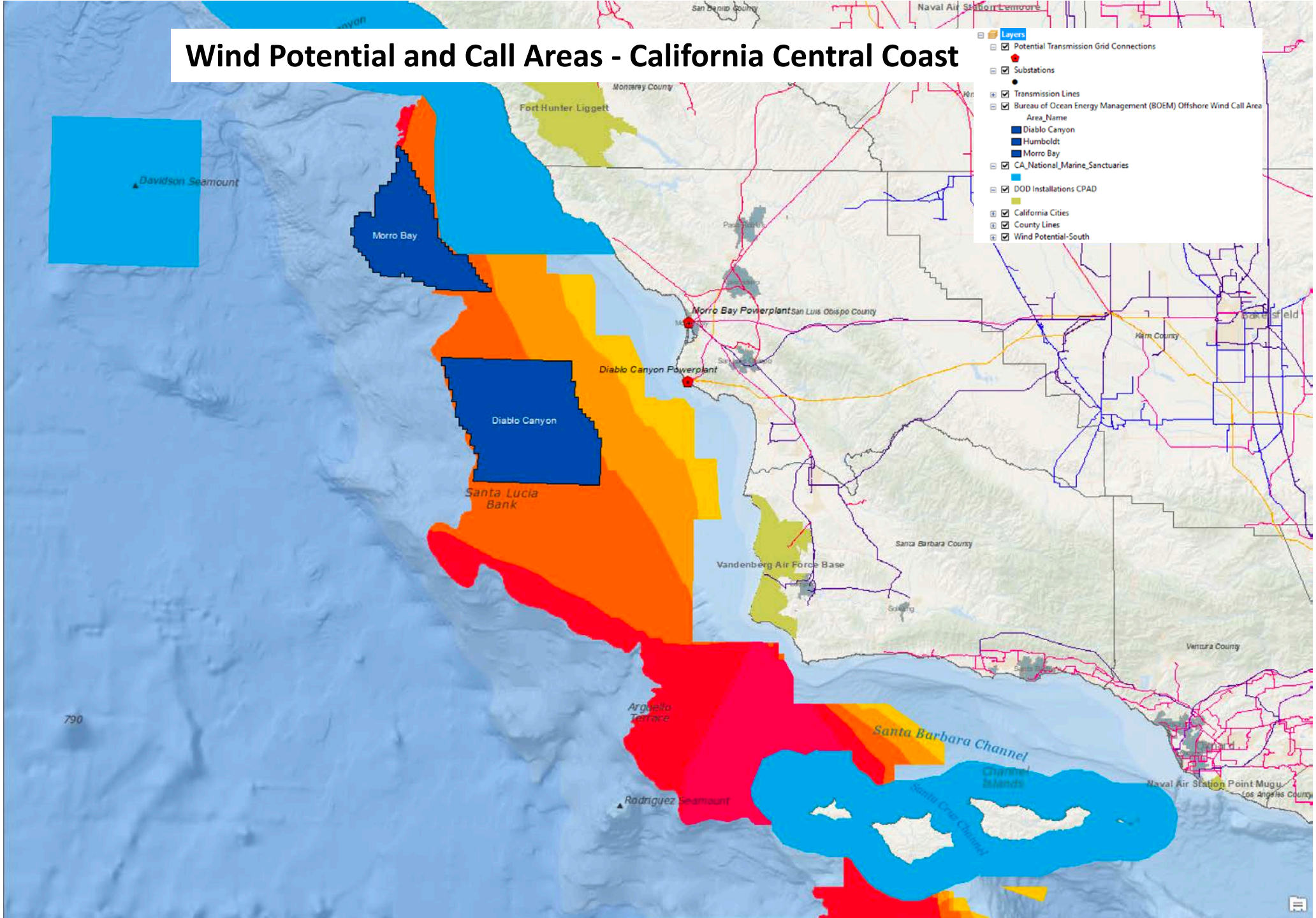
- Technical, Ocean Use and Environmental Datasets relevant to the assessment of offshore wind
- Thematic maps that illustrate key data sets



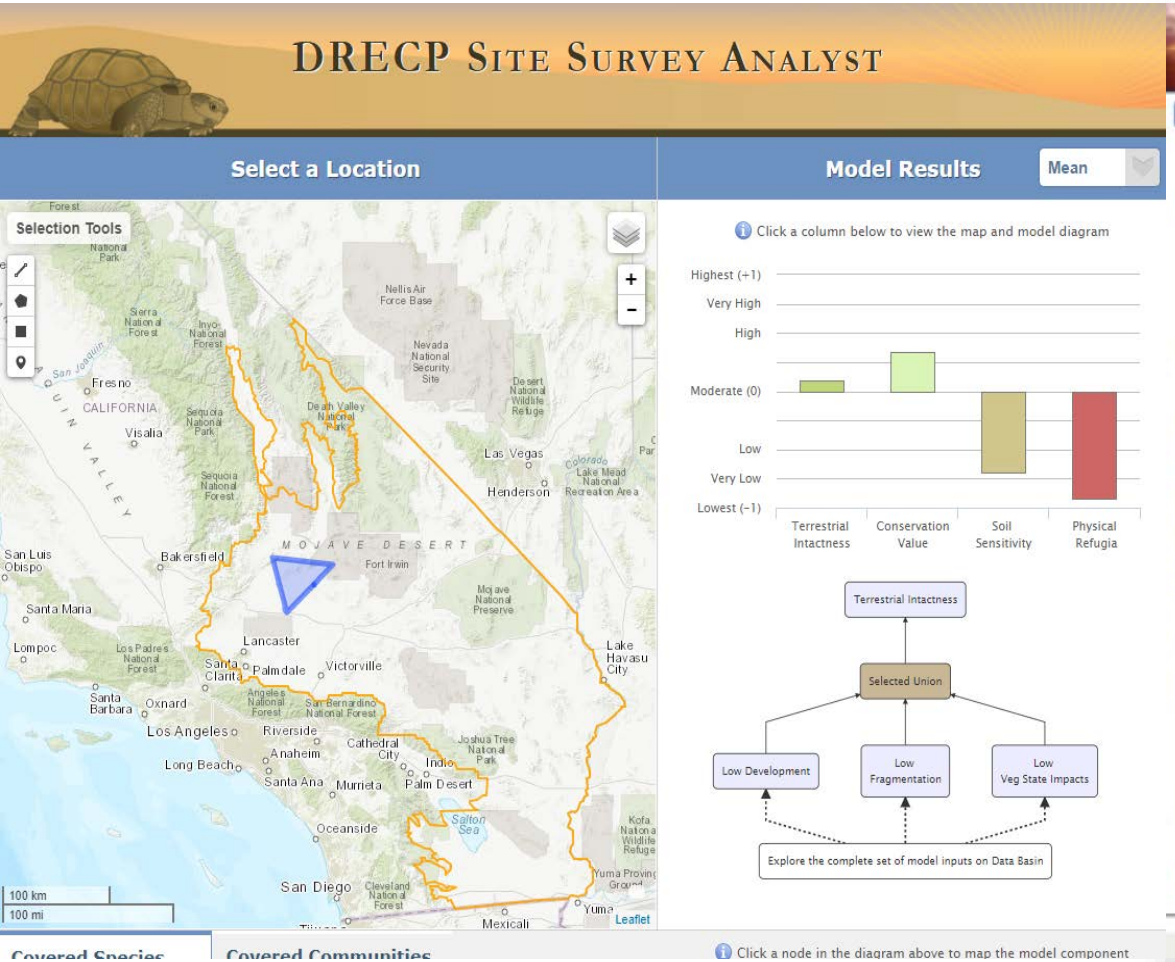
Wind Potential and Call Areas - California North Coast

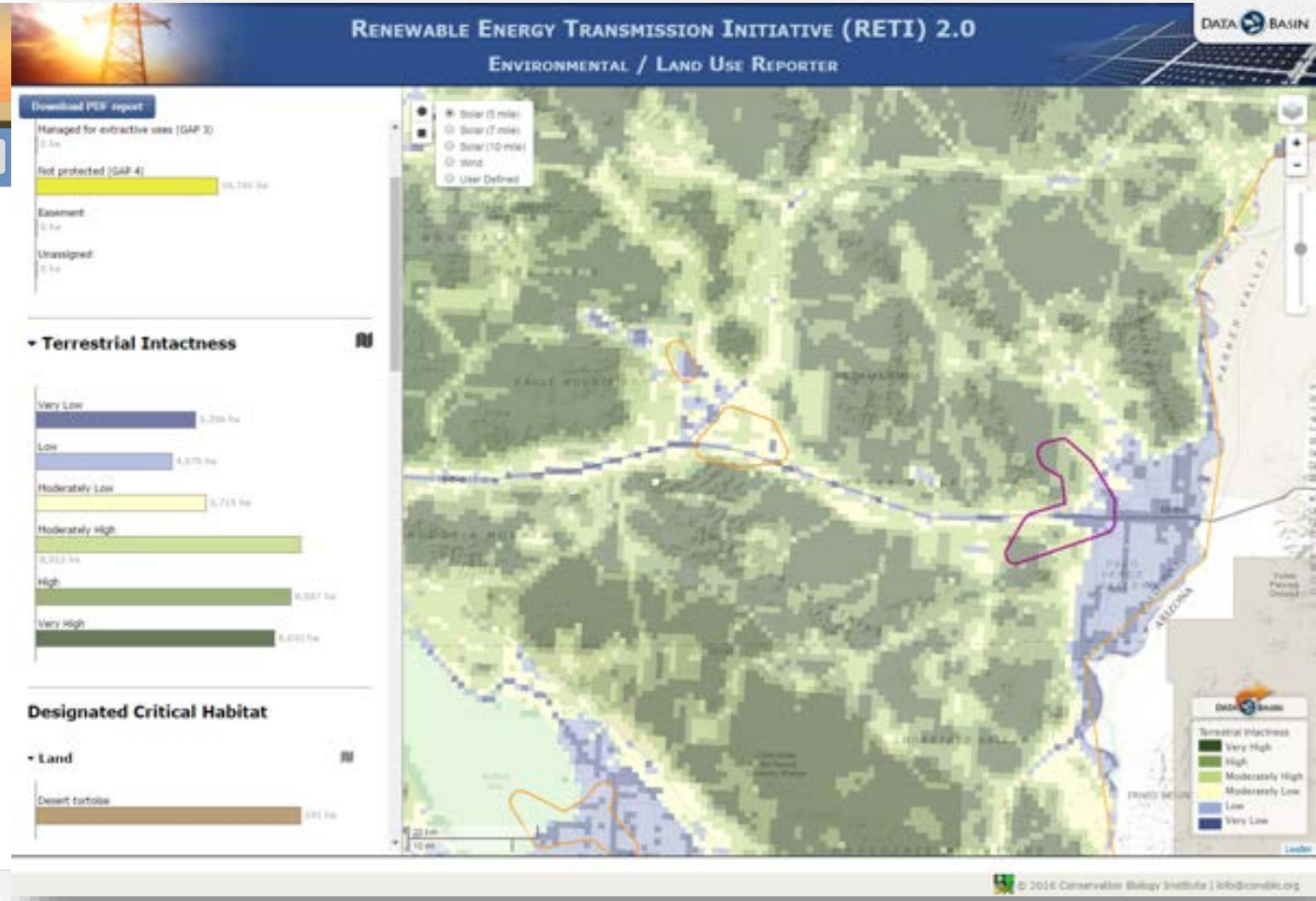


Wind Potential and Call Areas - California Central Coast



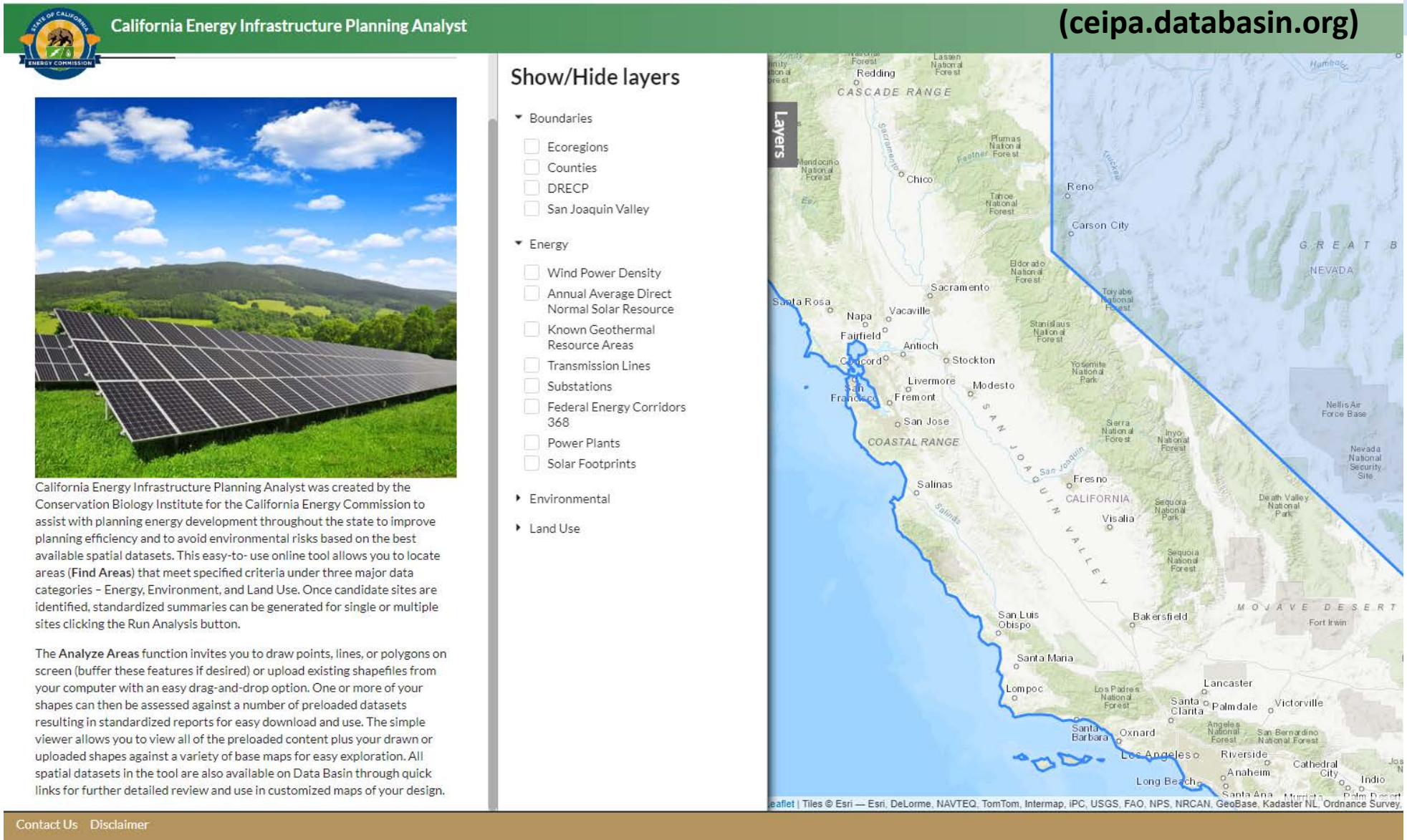
Environmental Applications – Initial Development Under DRECP and RETI 2.0





California Energy Infrastructure Planning Analyst

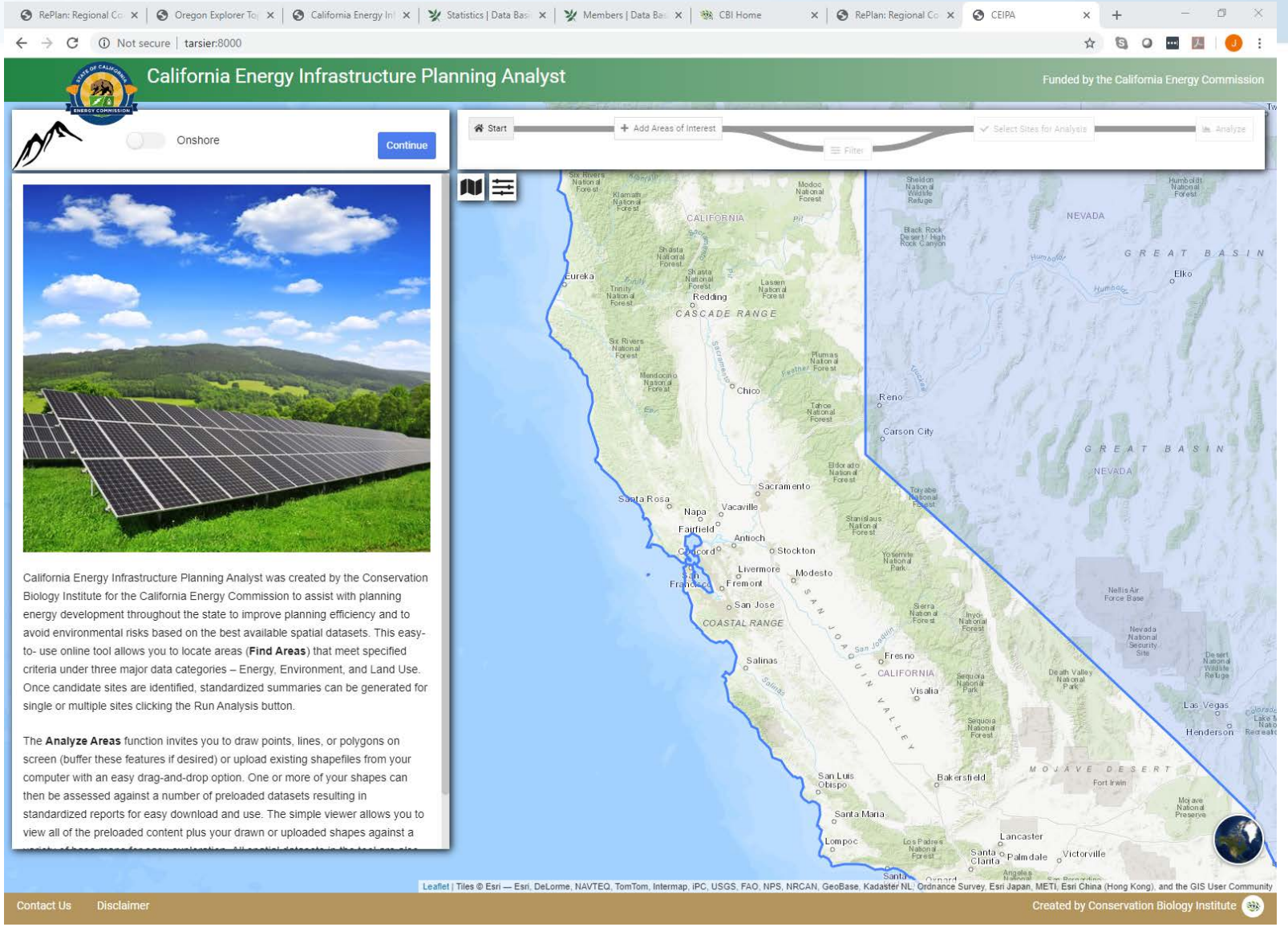
(ceipa.databasin.org)



California Energy Infrastructure Planning Analyst

Onshore Option

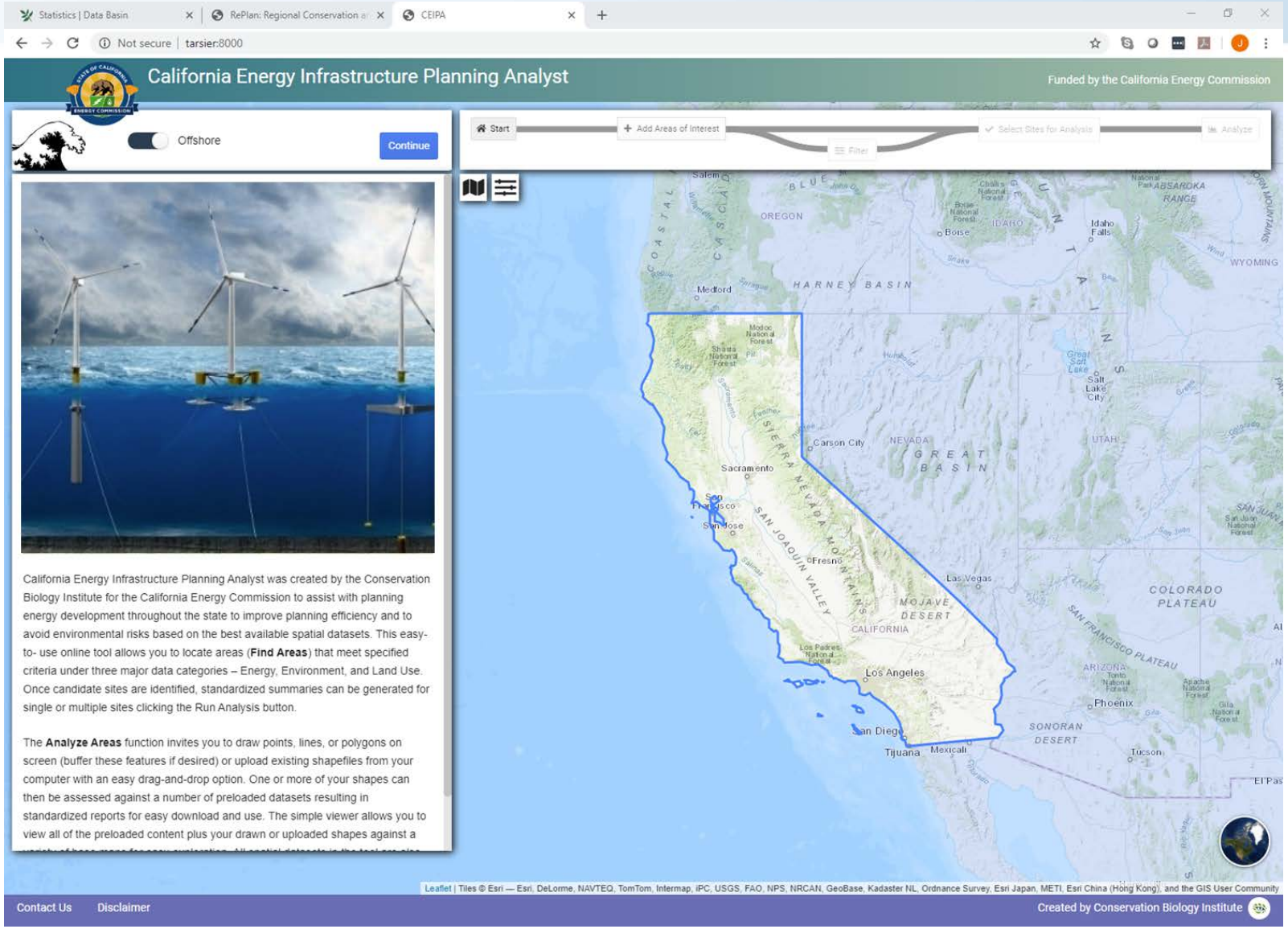
- Focuses on Terrestrial Data
- Utilizes a series of logic models built from the terrestrial datasets



California Energy Infrastructure Planning Analyst

Offshore Option

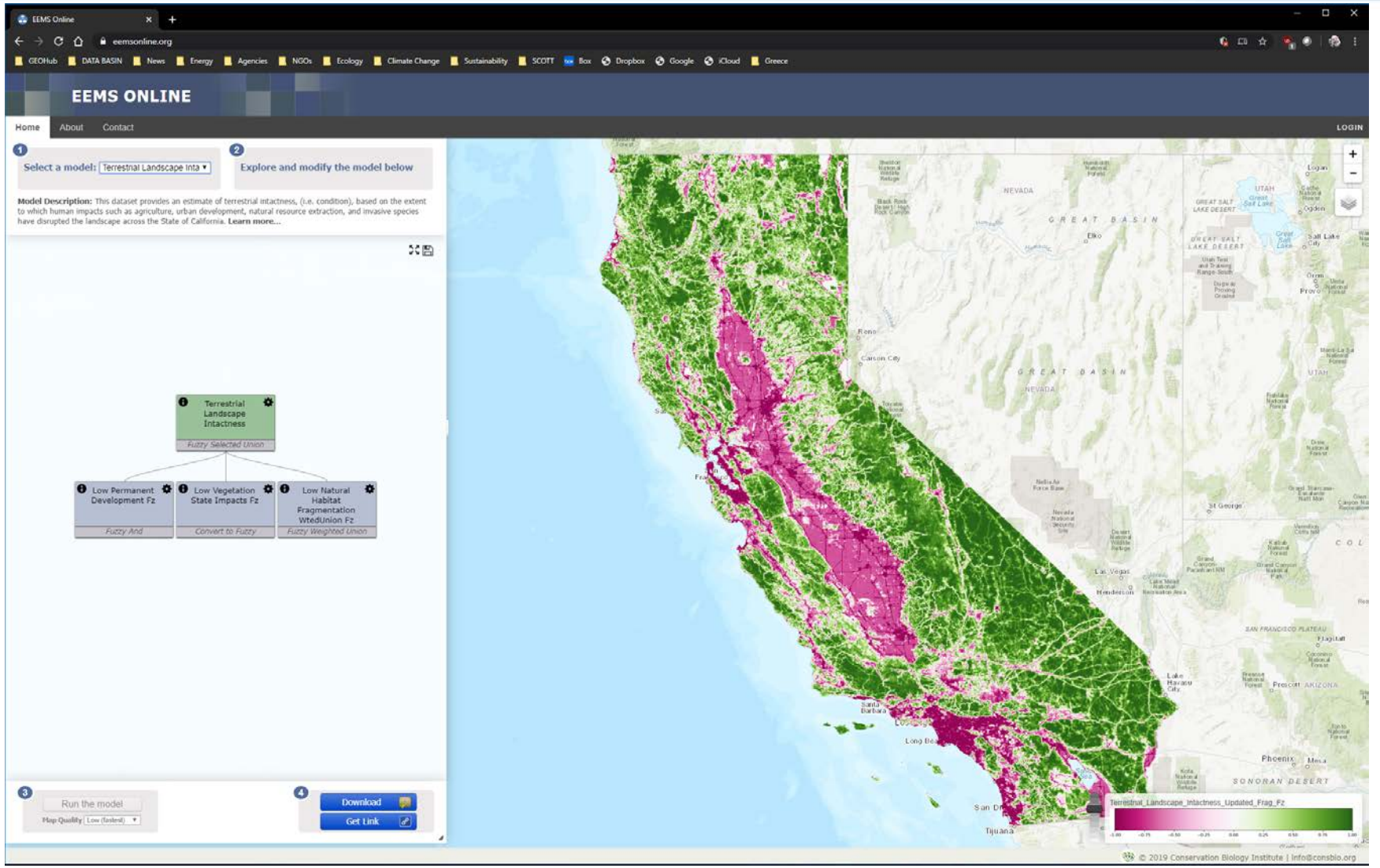
- Focuses on Marine Data
- Develop Marine Logic Model(s) to assist understanding combinations of data



Environmental Evaluation Modeling System (EEMS)

https://eemsonline.org/

- Methodology for visualizing multiple related datasets
- Can assign priority and weights to datasets so the model will reflect the users interests and values



Keeping Informed via CEC Webpages & Listserves

- Environmental Information for Energy Planning (Docket 17-MISC-03) (CA-EIPA)

https://www.energy.ca.gov/programs-and-topics/topics/energy-infrastructure-and-environment/environmental-information-energy

- Offshore Renewable Energy (Docket 17-MISC-01)

https://www.energy.ca.gov/offshore-renewable-energy

Informal Working Groups:

1. Enhancements to the California Energy Infrastructure Planning Analyst (CA-EIPA)

2. Work Updates on the two offshore wind research projects discussed today

Stakeholders wishing to join and participate in either or both, please email misa.werner@energy.ca.gov with your name, affiliation and email address, and indicate the working group(s) of interest.

Written Comments

- Due February 11, 2020
- E-Commenting: https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=17-MISC-01 or go to energy.ca.gov/offshore-renewable-energy "submit comments" link on the right-hand side.
- See notice for e-mail and U.S. Mail commenting instructions.

Contact Information and Data Resources

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California Wind Energy Gateway - https://caoffshorewind.databasin.org/

California Statewide Energy Gateway - https://caenergy.databasin.org/

California Energy Infrastructure Planning Analyst - https://ceipa.databasin.org