

Wave & tidal Energy

George randolph

PROJECT DRAWDOWN



Wave & Tidal Energy

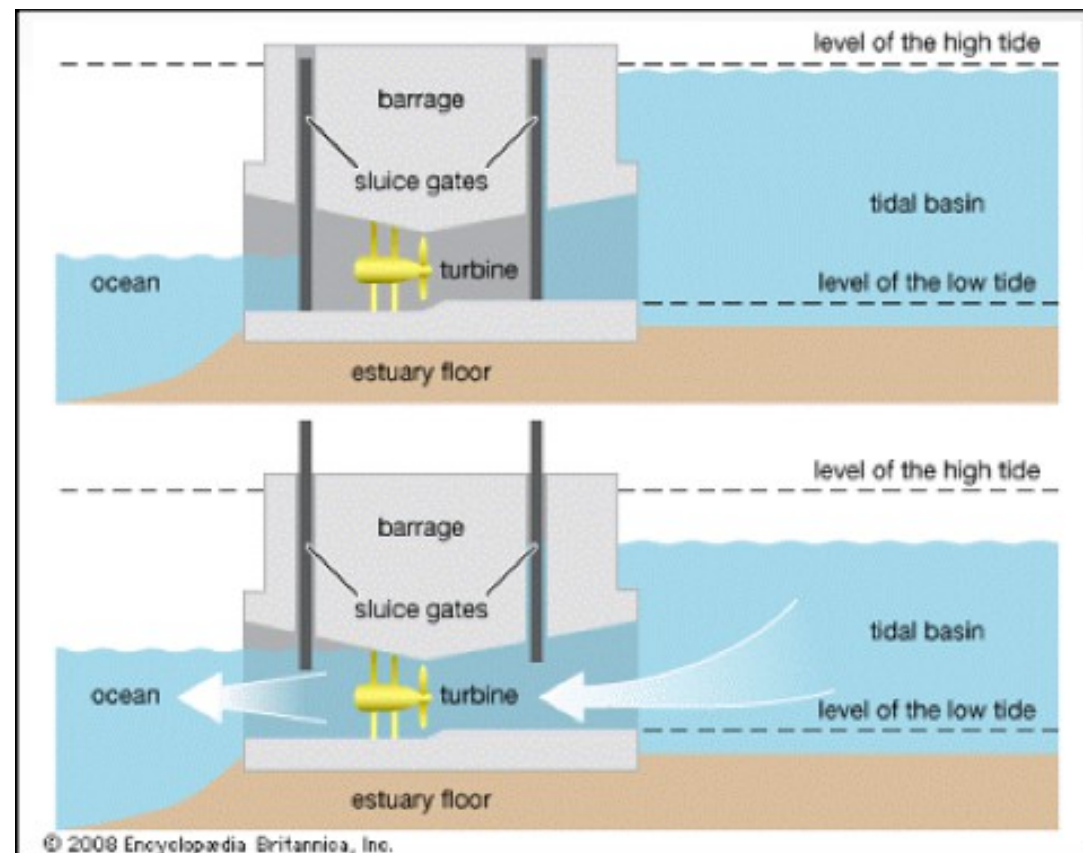
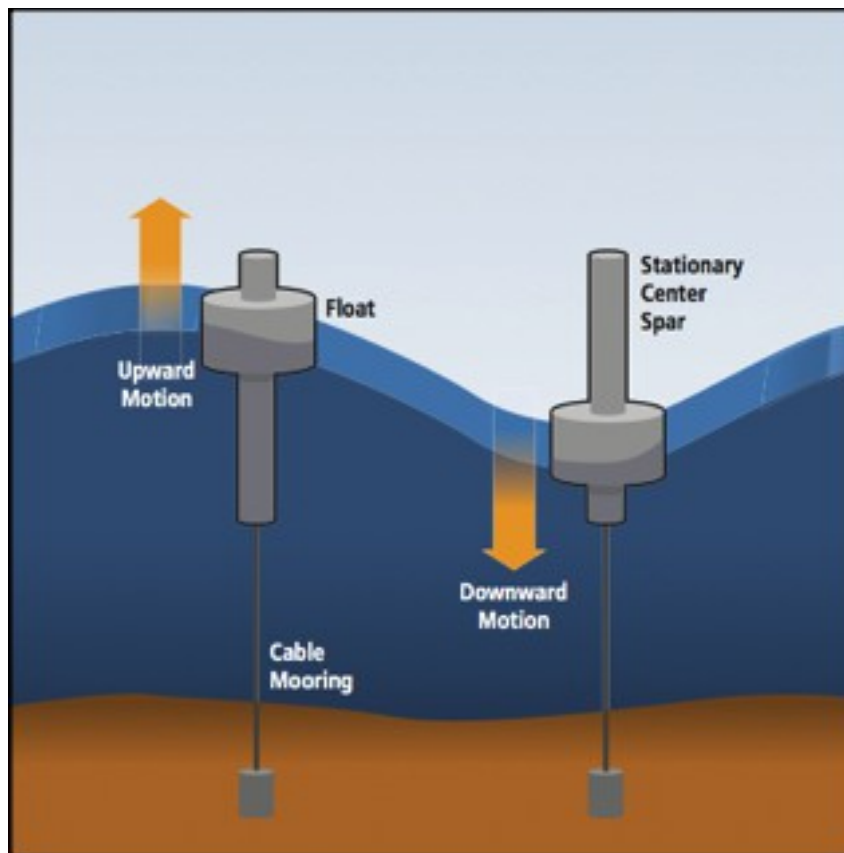
WHAT's the impact?



Movement from ocean waves and tides can be harnessed and converted into electricity, replacing traditional, dirty methods of generation

Wave & Tidal Energy

HOW DOES IT WORK?



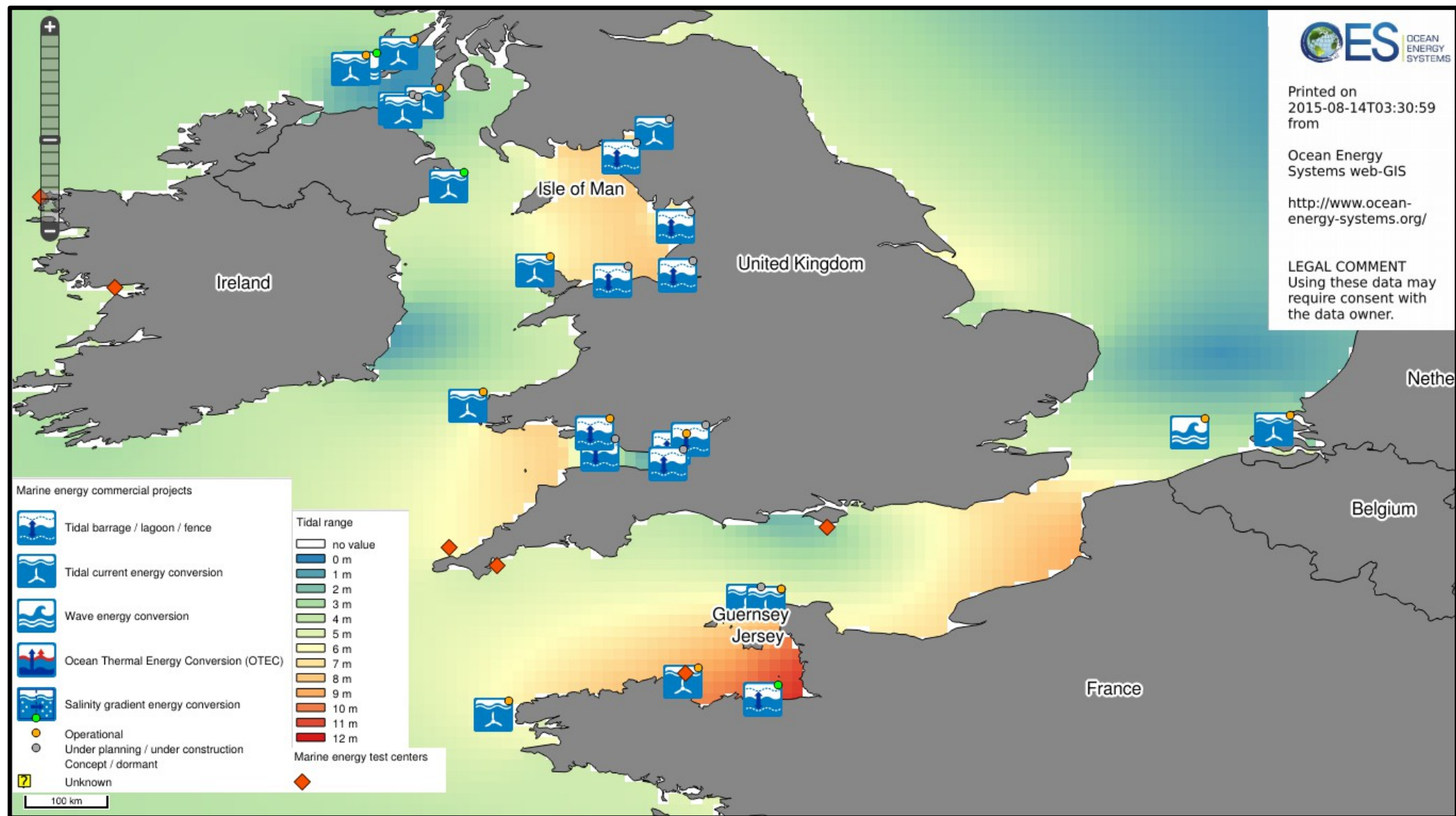
Wave & Tidal Energy

Current state & Future Trends



Wave & Tidal Energy

Current state & Future Trends



Wave & Tidal Energy Discoveries



Only 2 fully operational tidal stations: Rance Tidal Station in France and Sihwa Lake Tidal Station in South Korea

Only 4 fully operational wave stations: 2 in Europe, 1 in Australia and 1 in China

Potential to reduce greenhouse gas emissions by 1.7 gigatons.

Wave & Tidal Energy

ADVANTAGES & Disadvantages



Highly predictable form of renewable energy

Areas of resource near population centers

High upfront capital costs

Ecological impacts not fully understood

Wave & Tidal Energy



“It’s all about the motion in the ocean.”

-European Ocean Energy Association