

#### **Advanced Research Projects Agency-Energy**

We are an agency within the U.S. Department of Energy that:

- Provides Research and Development funding for high-risk, high-reward, transformational ideas
- Focuses on technology opportunities that could fundamentally change the way we get, use and store energy
- Accelerates energy innovations that will create a more secure, affordable, and sustainable energy future for the U.S.

Krishna Doraiswamy
Technology-to-Market Advisor
<a href="mailto:krishna.doraiswamy@hq.doe.gov">krishna.doraiswamy@hq.doe.gov</a>

#### **ARPA-E's MARINER Program**

Macro Algae Research Inspiring Novel Energy Resources



### Macroalgae Biomass:

**No Land** 

No Freshwater
No Fertilizer

MARINER creates new biomass production opportunities for the vast ocean resources of the United States.

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#### **MARINER Program: 18 Projects; 5 categories**

1. Cultivation and Harvesting Systems

2. Component Technologies (Autonomous Operations)

Program Goal: Demonstrate scalable cultivation and harvest of macroalgae in the ocean.

**5. Breeding and Genetic** Tools

**3: Computational Modeling Tools** 

4: Aquatic Monitoring Technology and Tools

#### MARINER: Current Collaboration Landscape





# Questions?



## **Back Up Slides**

