



# Energy Commercialization Center

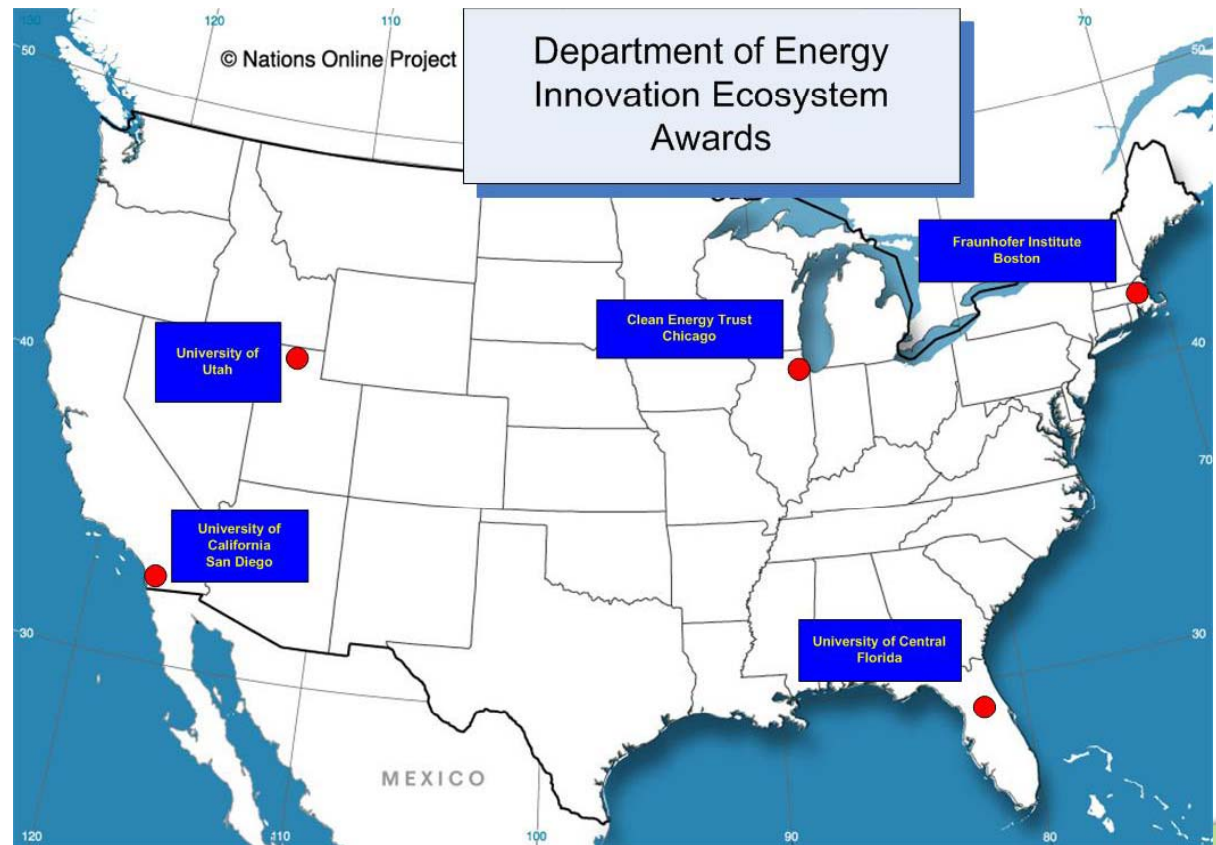
at the

# University of Utah

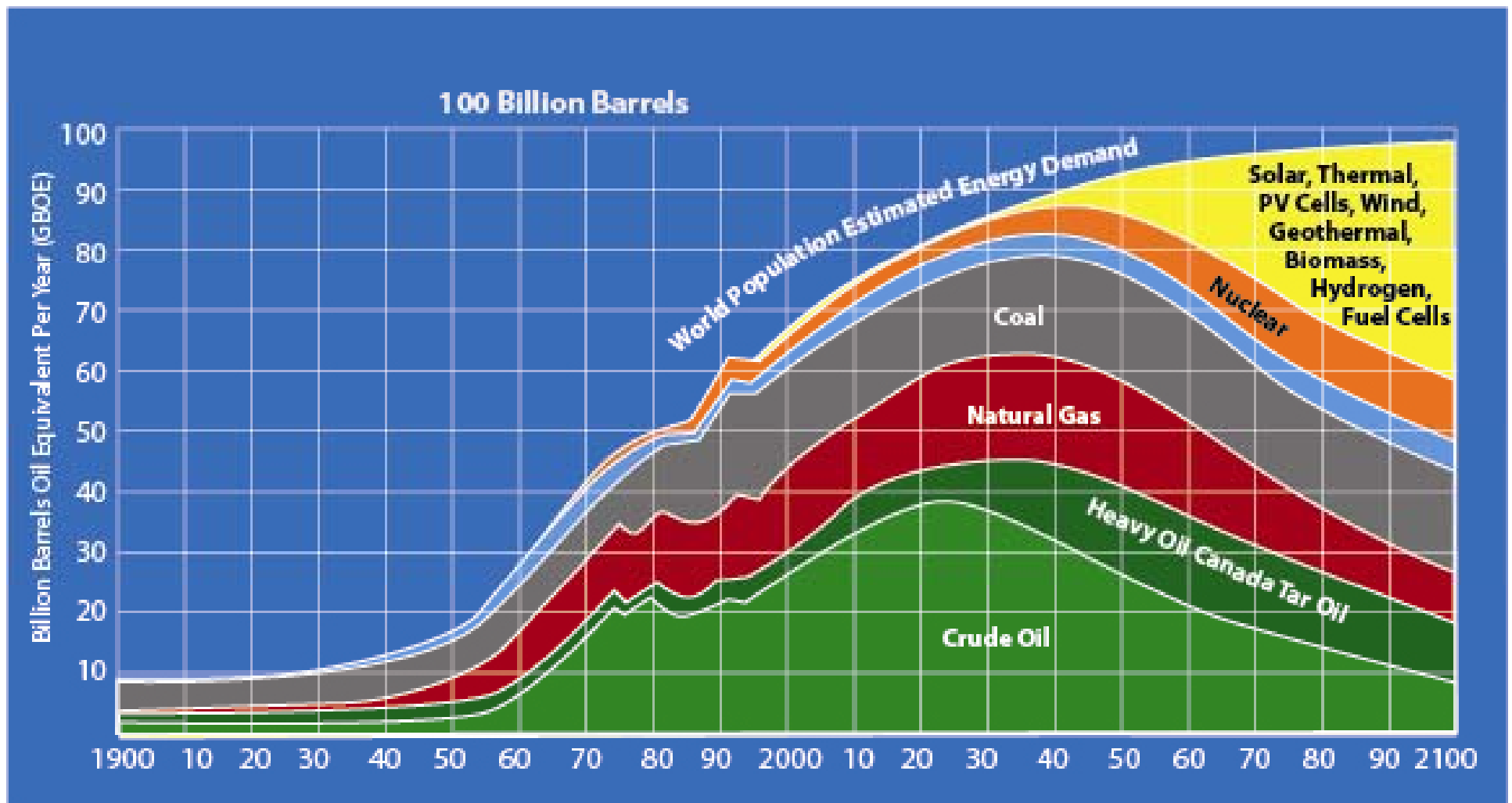


# Energy Commercialization Center at the University of Utah

One of five “Innovation Ecosystem” awards  
by the DOE.



# Here's the Problem



# Mission Statement

*To deploy innovative EE  
and RE technologies in the  
marketplace.*



*Renewable energy has  
been slow to develop.  
Why?*

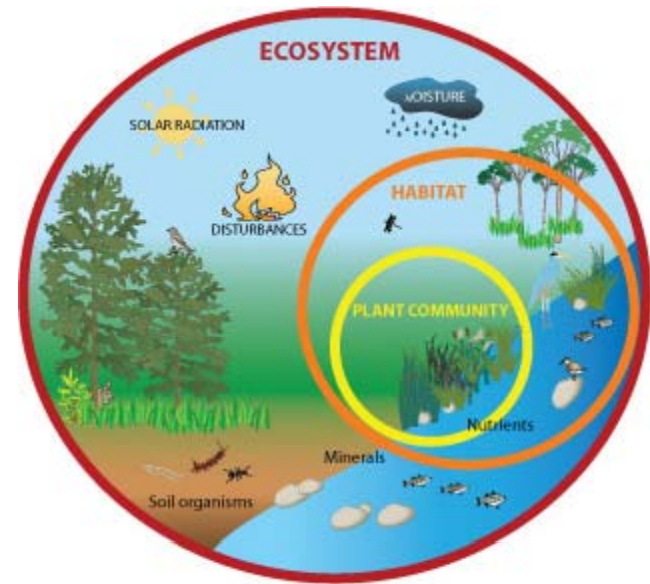
# Impediments to RE and EE

- High capital cost → thin margins & long payback
- Regulatory uncertainty
- Lower level of subsidizing than fossil fuel
- Remote location of otherwise viable resources
- Intermittent solar and wind power
- Energy storage

Resulting in Reluctance to Invest

# Ecosystem

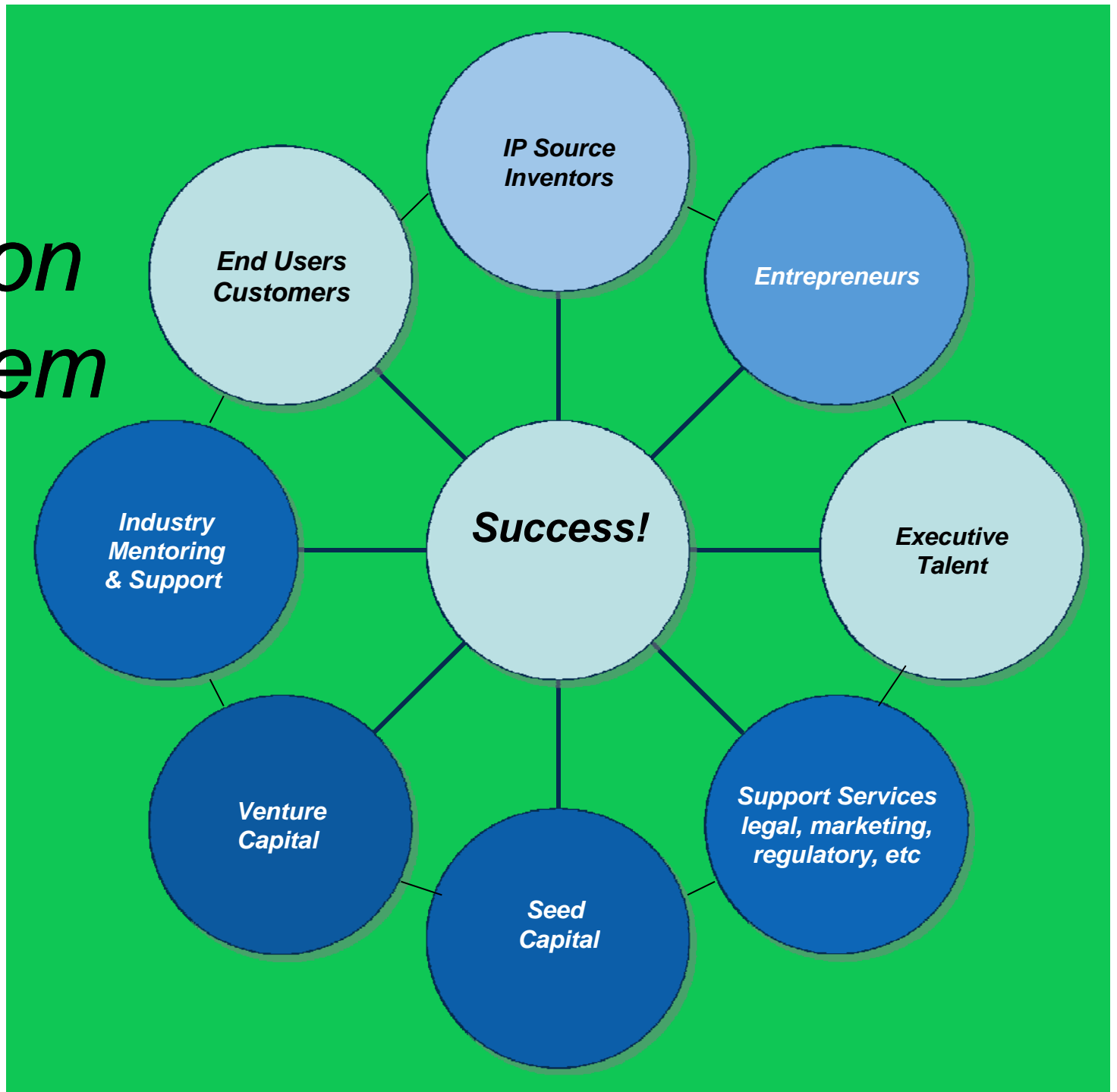
- environment consisting of all the organisms in a particular area, as well as all the nonliving components of the environment with which the organisms interact, such as air, soil, water, and sunlight.
- a system formed by the interaction of a community of organisms with their environment.
- an ecological community together with its environment, functioning as a unit.



# Ecosystem

- Each member benefits from the existence of each other member
- Each member contributes something to the well-being of each other member
- Self-sustaining

# *The Innovation Ecosystem*



# The Power of Numbers

- University of Utah Technologies
- Other Institutions: USU, BYU, UI, ISU, BSU, CAES, INL, OSU, UC Davis, USC, UCo, UT, UMin
- CleanTech Open
- GOED Energy Cluster
- Walk-ins



- Capital Investment
  - Matrix of National VCs
  - Local investors
  - Park City Angels
  - Renewable Tech Ventures
  - 7Revolutions
- Industrial Partners
  - Dow Chemical
  - Questar
  - Schlumberger
  - Dresser-Rand
  - Pacificorp

- Outreach

- Energy Forum
- Global Energy Summit
- SBIR Workshop
- Renewable Energy Business Summit/ECC Showcase
- Website
- Newsletter

- Services

- Patent assistance
- Strategic planning
- Introduction to VC
- Exposure to industry
- Team building
- Sponsored research

# Technologies

- Electro-bioreactor
- Photolithographic carbon nano-ribbon solar cells
- De-icing using PETD
- Compact vertical windmill design
- Solar/geothermal hybrid power plants
- Methanogenic bacterial methane production from carbon-based materials



# Questions?

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