



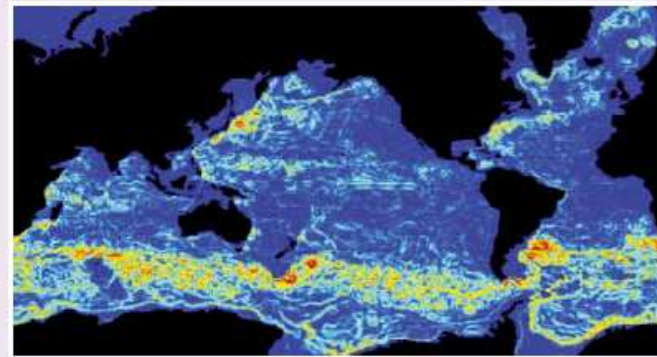
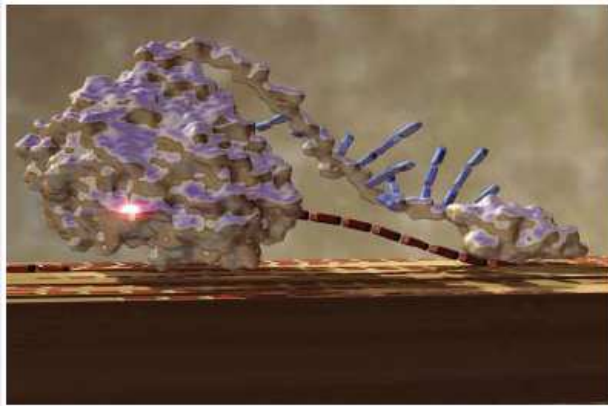
# IEA's AHGSET: Past and Future

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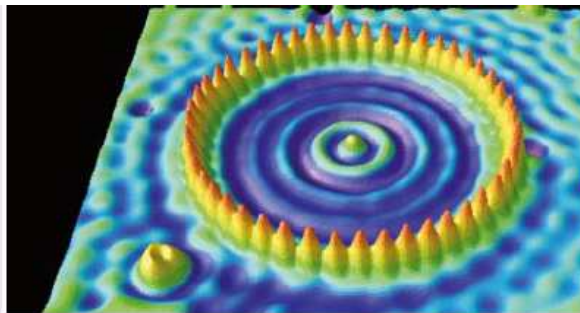
*Basic Science for Energy:  
Expanding the Role of the IEA and its Implementing Agreements*  
*IEA, Paris*  
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# IEA's Ad-Hoc Group on Science & Energy Technology



Global distribution of phytoplankton



Wave functions of 48 iron atoms



Biohydrogen grown in an algae culture



## AHGSET: Background

- **Mission:** To support the development of new energy technologies by strengthening the role of science and the connections between basic science and applied energy programs.
- **Strategic objectives**
  - ◆ Advise decision makers on the opportunities for science to contribute to energy technologies
  - ◆ Link the science and energy technology communities
  - ◆ Develop and share approaches and tools
  - ◆ Promote strategic international collaborations in science



## Advise Decision Makers

- **Collect and publish information (including case studies) where member countries are actively linking science and energy**
- **Provide advice to the IEA technology network on how IEA's activities can best leverage scientific advances**



## Is There a Gap and How is it Bridged?

- “Mining” curiosity-driven basic science to identify exploitation opportunities
- Conducting basic science with application in mind
- ....there may be different approaches in different fields



**Thank you!**

**[www.ukerc.ac.uk](http://www.ukerc.ac.uk)**

**Jim Skea**

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