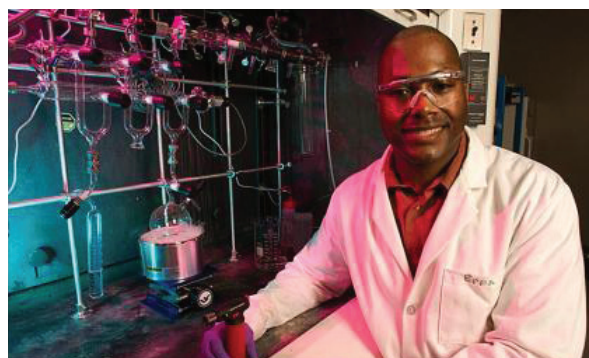


Geoscenario Specialists: Oil



Dr. Sophie Leleu works in the Department of Geology and Petroleum Geology at University of Aberdeen in Scotland.

A **petroleum geologist** is responsible for identifying where oil can be found. Petroleum geologists analyze geologic maps and look for signs of oil out in the field. Oil companies depend on petroleum geologists to tell them where to drill for oil.



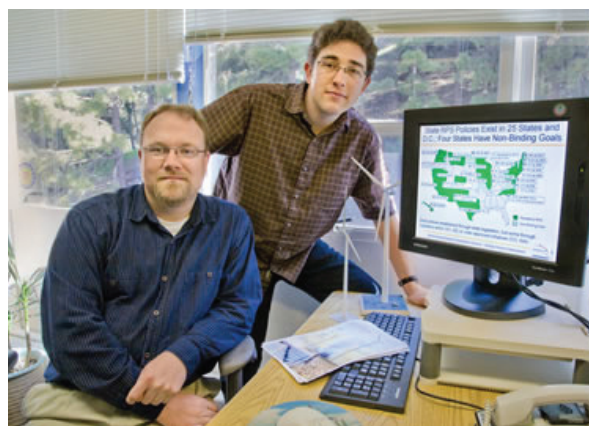
Thomas H. Epps, assistant professor at University of Delaware in the Department of Chemical Engineering, received a Presidential Early Career Award for Scientists and Engineers (PECASE), the highest honor bestowed by the U.S. government on young professionals in the early stages of their independent-research careers.

Petroleum engineers apply their understanding of chemistry to transform raw materials into products we can use. Petroleum engineers figured out how to transform crude oil into a variety of products and then designed the equipment to do it. Some of these products include plastics, medicine, pesticides, fertilizers, paint, and even makeup.



Standing on an oiled marsh island, British Petroleum consultants Bob Nalon (left) and Charlie Johnson discuss field observations with NOAA's Natural Resources Damage Assessment team lead Rich Takacs (on boat, left) and Chris Grant (on boat, right), a consultant representing the State of Louisiana.

An **environmental scientist** combines understanding of various fields of science to study how to minimize our impact on the environment. Environmental scientists are hired by the government as well as by various companies to make sure that their work is in line with environmental policies.



Ryan Wiser (left) and Galen Barbose have conducted a "lessons learned" study of how states have been utilizing renewables portfolio standards (RPS) to support the development and use of renewable electrical power.

An **energy policy analyst** advises the government and various organizations on trends in energy. Since fossil fuels are nonrenewable resources that will not last forever, energy policy analysts can inform lawmakers about how to address problems we may face in the future.