



ACADEMIA ENGELBERG

## **5<sup>th</sup> Dialogue on Science**

**11 to 13 October 2006 in Engelberg, Switzerland**

**Theme „Energy Resources“**

### **Energy renouncement at no loss**

The global demand for energy continues to rise inexorably. Analysts from the International Energy Agency in Paris have calculated the consequences. If there is no change in behaviour, the global demand for energy will show a 50% increase by 2030. And CO<sub>2</sub> emissions would then be 52% higher than they are today.



In the space of a few generations, human activity is using up resources that took several hundred millions of years to build up. The reserves of fossil fuels will come to an end in the coming decades. Many countries have also signed up to the Kyoto protocol, which is intended to reduce the emission of greenhouse gases. In view of the limited availability of resources and the ability of our environment to cope with the stresses

imposed on it, the unnecessary consumption of energy must be reduced further despite all the successes that have been achieved through technical innovation. This is also demanded by the responsibility we have towards our future generations.

The Fifth Dialogue on Science from 11 to 13 October 2006 in Engelberg seeks to highlight the complexity of the energy problem. The aim of the conference is to show approaches that are being explored to solve the problems, such as saving energy and making sensible use of renewable energy sources. There is an urgent need to sensitize not only consumers, but also the authorities and industry to possibilities for making use of existing and new sources of energy in a reasonable and sustainable way.

As a preparation for the conference, Young Scientists will work on a preliminary study. They will be provided with the opportunity to do this in the context of a Project Week, which will be organized in Switzerland by the Alliance for Global Sustainability under the leadership of Dr. Roger Baud in July 2006.