

The International Sustainable Energy Organization ISEO reports about its success at the Johannesburg Summit

With the main focus of the Johannesburg Summit on partnerships for the eradication of poverty and solving African problems, other important issues like energy could not be sufficiently covered in the limited time resulting in the lack of any binding agreements for global emission reductions.

*However many Heads of State and Ministers stressed the urgent need of sustainable energy to replace fossil fuels in the final plenary session and several dozen governments and NGOs could be persuaded to join forces with the **International Sustainable Energy Organization ISEO** – a success story !*

This Newsletter explains why and how ISEO is proceeding rapidly towards the overdue transition from the age of depleting mineral energy resources to the Clean, Sustainable Energy Age of the 3rd Millennium.

ISEO is proactively responding to world opinion about fossil emissions causing Climate Change

Fossil fuels and nuclear energy are well represented in the United Nations and in OECD-IEA, focusing on the centralized conventional energy production and grid distribution in industrialized countries.

However, most Heads of States and Ministers – even some oil producers like Mexico - were pleading for more renewable energy and better efficiency at the Johannesburg Summit. This awareness is growing !

ISEO will take up the task of accelerating the transition to clean, renewable energies and efficiency measures world-wide by better enhancing the technology transfer, international standards, much improved financial mechanisms, suitable legislation, energy-conscious human behavior by better training, experience exchange and economy of scale to make benign sustainable systems more competitive with unsustainable systems. Thus ISEO will ascertain that clean, sustainable energy is really competitive with unecological technologies, also by introducing the total cost principle to make the polluters accountable for the damage to the global commons water and air.

The main tool for ISEO's international networking and partnerships is Website www.uniseo.org, which will be frequently updated with all suitable links, contacts, energy systems sources, implementation tools and standards. It is backed up by experts, ranging from simple solar cookers in remote areas to the latest generation technologies, low-energy architecture, energy efficiency means, muscle power, emission-free vehicles to integrally clean community concepts.

It no secret any more that the fossil energy resources are running out; ISEO helps conserving resources for future generations who will need them as chemical feedstock, rather than totally combusting them, and works intensely with existing energy organizations and the private sector to resolve the difficult problem of restructuring the energy sector.

The mineral resource depletion scenario in the time frame of written human history on the next page illustrates the colossal task ahead of all of us towards the clean, sustainable energy mix of the future – which is the statutory ISEO goal to the benefit of all !

ISEO supports the efforts of poverty eradication and affordable, clean, sustainable development

The efforts undertaken by many organizations to reduce poverty is supported by ISEO in facilitating the decentralized, affordable access to renewable energy and thus facilitating LDC development.

ISEO will act on the fast track to avoid more irreversible facts likey rising oceans – displacing people and tourist resorts - melting glaciers and polar ice caps, incurable health defects from radiation and pollution, extinguished species due to oils spills, soil poisoning and forest destruction for oil exploration and fuel wood. ISEO will help developing countries to stop bleeding out from unsustainable energy imports and help to create millions of clean jobs and eliminate jobs jeopardized by radiation, coal mining and sea platform hazards. The Blueprint for the Clean, Sustainable Energy Age of ISEO will help to remedy all these problems.

ISEO will also encourage governments to invest in the research, development and implementation of sustainable energy systems, rather than subsidizing unsustainable forms of energy like coal, which still absorb hundreds of billions of Dollars also for the health damages and reconstruction cost caused by disasters from such unsustainable energies.



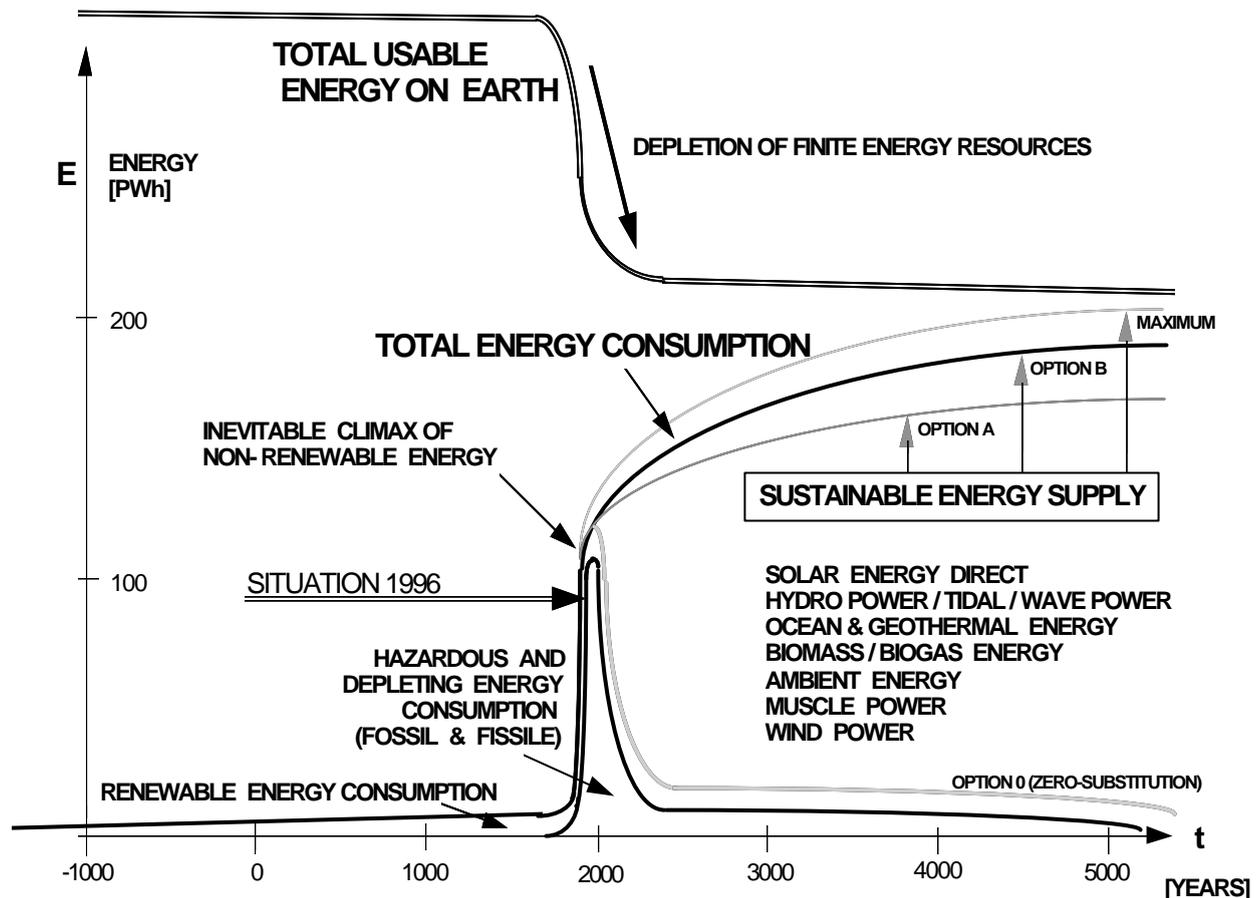
Positive Signals

The voice of ISEO was heard during the Summit on BBC, UN Radio and Swiss Broadcast as well as from a TV satellite panel with prominent promoters of sustainable energy from all continents and ocean island states. The print media reported also about ISEO, like Mainichi News in Japan, the international press agencies and local South African papers. See illustrated report in enclosed addendum.

See <http://www.uniseo.org> for more information on the statute and the implementation strategy.

ISEO Preparatory Commission

Proportions of the Sustainable Energy Task in Human History



SOURCE: ICEC / CMDC-WSEC

Fig. 1 ENERGY HISTORY & FORECAST

The Hydrocarbon Peak Age

The mineral energy resources, accumulated over millions of years from prehistoric vegetations, by absorbing carbon with hydrogen in geological sediments, provide the indispensable feedstock for the chemical industry, but were also irresponsibly combusted by man in little more than one Century.

Humankind, who still depends to the extent of over 80 % on the fossil fuels coal, oil and gas for their energy services, seemed at the Johannesburg and Rio Summits not to have been really aware of the atrocity of the world-wide mineral resource squandering, endangering the climatic balance, health, biosphere, river sides and sea shores, ignoring also that the relatively small oxygen content in the air – so important for life on Earth - is reduced while the CO₂ concentration is incessantly rising, disturbing also the water household of our planet, as more and more evidenced with historic floodings, land slides, melting glaciers and polar ice caps, causing rising oceans with lost coastal zones and islands.

Inefficient uses of the Fossil Treasure

Most people are not fully aware of the inefficient uses of the fossil resources. Combustion engines convert less than a third of the fuel energy content into useful energy services, i.e. transported ton-kilometers, and the electricity outputs of thermal power plants range from 15 % to maximum 50 % of the fuel energy content. The remainder is lost as heat, unless part of the heat is used for co-generation. The same is true for the millions of m³ flared gas at oil fields and refineries.

The only Way out to avoid Collapse

The only way out of this fatal depletion scare are renewable energies, but most Summit delegates underestimate the enormous investment needed to conserve the fossil fuels for better purposes like plastics, fibers, cosmetics, paints, medicine etc.

Even with a modest energy consumption growth shown in the diagram as option A, a multi-trillion Dollar or Euro effort is needed - see amendment.