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**United Synergies between CMDC, WSEC and ISEO**  
*Bundling all forces to better respond to the global climate,  
health and biosphere challenge*

Facing the **top urgent task of rebalancing the climate and biospheres** and **improving the health** of all living species on Earth much more global consensus and concerted action is needed.

CMDC, the Circle Mondial du Consensus (World Circle of the Consensus), was founded in 1983 in Geneva to create and disseminate a global Code of Ethics to safeguard the survival of life on Earth. It influenced decision makers positively to concentrate more efforts towards disarmament and better business ethics.

The CMDC appeal to US President Ronald Reagan and USSR President Michael Gorbachew and other Heads of State at New Years Eave 1987 inspired the fireplace talks early 1988 leading to the fall of the Iron Curtain and ended the cold war period between East and West.

More such historic steps are needed to stop the waste of trillions of taxpayers moneys hitherto spent on religious and oil wars. The petroleum age nurtured an unfortunate ideology by the automotive industry and the energy lobbies with their vested interests, which are in conflict with the wellbeing of the world population.

CMDC contributed over two decades much to the ethical dimension of the global problems in cooperation with many likeminded positive forces.

The World Sustainable Energy Coalition WSEC emerged from the historic 1<sup>st</sup> World Clean Energy Conference in Geneva, organized by CMDC after the 2<sup>nd</sup> World Climate Conference and the subsequent United Nations World Conference on Environment and Development at Rio de Janeiro (UNCED).

The basis of WSEC is the Global Energy Charter for Sustainable Development, which emerged from the World Clean Energy Conference attended by UN, government, NGO and private sector prominence.

The International Sustainable Energy Organization ISEO was initiated in 2002 by 41 Swiss National Council members of six political parties, ahead of the World Summit on Sustainable Development at Johannesburg to promote sustainable energy.

In order to progress faster with the balancing of the global climate, health and biosphere, joint concerted efforts are endeavoured with one strong voice.

The much praised "Millennium Development Goals" of the United Nations formulated at their "World Summit on Sustainable Development" (WSSD) in Johannesburg must put much more emphasis on **sustainable energy**. The misleading term "energy for sustainable development", which includes mostly "business-as-usual" solutions, damaging the natural climate and biosphere balance must be replaced by "sustainable energy for development".

**Energy Challenge: the next Thousand Years  
Foundation For the Future Energy Initiative**

The commendable Foundation for the Future (FFF) initiative by Swiss-American industrialist Walter P. Kistler with the co-founders Bob Citron and Shesh Velamour, assisted by Donna Hines and their staff, to **examine critical issues of human survival in the 3rd Millennium**, was dedicated this year to the pressing energy issue in the light of the alarming report by the **Intergovernmental Panel on Climate Change IPCC**, that the accelerating climate imbalance was to a large extent man-made from unsustainable energy systems. The historic event was preceded by the annual Walter P. Kistler Book Award at the University of Washington, this year given to Professor Eric. J. Chaisson for his "Epic of Evolution: Seven Ages of the Cosmos" with the film covering 12 billion years development.

Energy experts from both sides of the Atlantic and Pacific debated many possible solutions to solve the energy dilemma caused by the squandering and ultimate depletion of the majority of the presently used finite energy resources.

The solutions range from clean energy systems like hydro, wind, ocean and geo power and various types of solar energy systems including advanced Space Solar Power (SSP) to cope with the rising clean energy needs of the growing world population.

## Key Conclusions of the FFF Conference

### 1 The fuel age in all forms of internal combustion engines & fuel cells is ending soon because of

- too high cost of any fuel production, logistics and systems maintenance
- much too low efficiency of all thermal machines
- prohibitively expensive, short lived fuel cells
- too dramatic impacts on health, biospheres, seas, lakes, rivers and global climate
- depletion of mineral resources and energy abuse of agricultural land and forests

### 2 Simplicity versus complication = electric versus wear & tear mechanical solutions resulting in

- lower investment & maintenance cost with highly efficient electric transmission systems and drives
- electricity infrastructure exists already – much too complicated fuel transport and storage logistics
- zero-noise and zero-pollution feasible, if energy is generated and used wisely and sustainably
- longer life = less depreciation and waste of finite materials (recycle unavoidable waste)

### 3 Environment, Land Use and Efficiency

- all agricultural land is needed for extensive food production of the growing population
- forests have to be safeguarded for biodiversity and as CO<sub>2</sub> sinks. Deserts must be recultivated.
- Greenhouse gas emissions must be reduced as quickly as possible by all means
- stop wasting energy with overheated and under-cooled buildings, energy wasting SUV's etc.

### 4 The irresponsible waste of taxpayers monies and foreign exchange has to stop

- reduce military budgets - still over 1 Trillion \$ are insensibly wasted world-wide p.a.
- reduce investments and subsidies for non-renewable energy - another wasted Trillion \$ !!
- invest all saved moneys into sustainable energy systems and extensive, sound agriculture
- stop wasting money on polluting, inefficient vehicles in the public, military and private sectors

All this shall and will be happening in this century - elect the right politicians to get it done without further delays, hopefully now also by the UN-CSD (delaying such efforts deliberately since the Rio Summit) and accept that storage of electric energy is economical.

“Energy Challenges Executive” Summary available from:

See the millions of electric vehicles in Asia, watch the novel battery and ultra capacitor developments and stop using obsolete and unaffordable fuels, firing inefficient, polluting IC engines and turbines and forget nuclear power as a solution with Uranium reserves lasting less than the life cycle expectancy of such overly expensive power plants endangering future generations with radioactive waste, cursing the survival on Earth for millennia with incalculable risks from terrorists, earthquakes and meteorites on nuclear power plants and waste deposits!

Believe in God and his creation and do not make short-sighted energy dogmas a hypocritical ideology.

If the insensible billions and trillions invested in oil wars, fossil fuel subsidies, fusion and fission research, IC engines, oil platforms and tankers, gas station infrastructures and lethal nuclear power plants would not have been, and will now be invested on the implementation of clean energy systems, electric storage devices and electric vehicles, we would have had and soon will have

- less cancers, radiation risks and pollution - possibly wiping out humankind
- millions of lives saved from oil wars, arms races and terror
- all virgin jungles saved from human greed
- less desertification - thus much more arable land
- less floodings of coastal areas and river shores

The ISEO website [www.uniseo.org](http://www.uniseo.org) gives ample information on how to implement the **clean, sustainable energy age** and the international standard ISO13602-1 enables everybody to objectively analyze and compare all energy systems. Let us work together to save our planet from human ignorance before it is too late !

### Outlook to important Events in 2007/08

See the long ISEO list of international energy conferences on [www.uniseo.org](http://www.uniseo.org) > **News & Events**.

### Join the ISO Energy Systems Committee

Energy experts are cordially invited to join the ISO committee TC203 and its working group on energy systems analyses to help improving the international standard ISO13602-1 for proper energy systems analyses, statistics and forecasts. Apply for participation to WG Convener Gustav R. Grob [grob@icec.ch](mailto:grob@icec.ch) or directly to Anders Thor, secretary of ISO/TC203 at [athor@mech.kth.se](mailto:athor@mech.kth.se) in Sweden

### Dialogues with ISEO continue

We invite you to report about initiatives, conferences and progress on sustainable energy or if you are interested in an active or passive ISEO membership contact the Central Secretariat at [info@uniseo.org](mailto:info@uniseo.org).

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