Société Européenne des Ingénieurs et des Industriels
Europese Vennootschap van Ingenieurs en van Industriëlen
Europäische Gesellschaft der Ingenieure und Industriellen
European Society for Engineers and Industrialists

CLIMATE CHANGE: Latest Update.

The Climate Change Think-Tank of the SEII is pleased to invite you to attend an ***exceptional*** event where world experts on Climate Change will come and share their views with you in Brussels.

The Event will take place, ***on Thursday, September 1st***, in the premises of the:

University Foundation
11 Egmont Street
B-1000 Brussels
Belgium

Agenda:

- **18 h 00 Welcome.**
- **18h15 *S. Fred Singer*: What is new in climate change?**
- **19 h 00 *Claes-Göran Johnson* : Blackbody radiation and Climate Thermodynamics**
- **19 h45 to 20 H30 : Questions and Answers**
- **20h30: Reception**.

Participation to this event is *free*, but is by invitation only. The number of places is strictly limited to allow better interaction with the audience. Seats will be allocated according to a first request /first service policy.

Please confirm your participation by E-mail to henri.masson@ua.ac.be

H. MASSON

Prof. Dr. Ir. Henri A. Masson

Chairman of the Climate Change Think-Tank of SEII

Member of the Board and of the Executive Committee of SEII

Abstract: What is new in Climate Change?

During this presentation information will be shared interactively with the audience on three topics:

1. A comparison of the "fingerprints" (patterns of temperature trends) of IPCC models with IPCC data -- in order to evaluate the extent of human contribution to GW

2. An approach to overcome the uncertainties arising from the chaotic nature of climate models -- in order to permit their validation

3. An investigation into the reality of reported warming episodes of the 20th century -- and of their anthropogenic component

****

S. Fred Singer, *Ph.D., is Professor Emeritus at the Univ. of Virginia and Director of the Science & Environmental Policy Project. His specialty is atmospheric and space physics. An expert in remote sensing and satellites, he served as the founding director of the US Weather Satellite Service and, more recently, as Vice Chair of the US National Advisory Committee on Oceans & Atmosphere. In 2007, he founded and chaired NIPCC (Nongovernmental International Panel on Climate Change)*

Abstract: Blackbody Radiation and CO2 Alarmism:

CO2 alarmism is based on an idea of massive back radiation or DLR (Down welling Long wave Radiation) from the atmosphere to the Earth surface of size 330 W/m2, to be compared with 170 W/m2 from absorbed sun-light, as expressed in the Kiehl-Trenberth energy budget. Together this gives an input of 500 W/m2 to the Earth surface, while the net radiative exchange with the atmosphere is an order of magnitude smaller, about 60 W/m2. Mathematical evidence is presented, based on a new derivation of Planck's radiation law, that back radiation/DLR does not have any physical reality, as it corresponds actually to heat transfer from a cold atmosphere to a warmer Earth surface. As a result, climate sensitivity as global warming by doubled CO2, can be estimated to be smaller than 0.3 °C, to be compared with the 3 °C estimated by IPCC, on the basis of the inflated radiative exchange from 60 to 500 W/m2 resulting from fictional back radiation/DLR.

****

Claes-Göran Johnson*, PhD**, is Professor of Applied Mathematics at the Royal Institute of Technology in Stockholm, Sweden. His research activities cover, under more, computational turbulence studies, climate thermodynamics and black-body radiation. Prof. Johnson is co-author of the book "Slaying the Sky Dragon" published in February 2011, and already considered as a benchmark for future climate research.*