

WHY A SUSTAINABILITY RESEARCH CENTRE

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.... Humanity is called to recognize the need for changes of lifestyle, production and consumption, in order to combat the **environmental and social destruction.... the myth** of progress[...] that ecological problems will solve themselves simply **with the application of new technology and without any need for ethical considerations**[...] We can no longer speak of sustainable **development apart from intergenerational solidarity** So what we all need is an “**ecological conversion**” and [...] **there can be no ecology without an adequate anthropology.** (Pope Francesco Encyclica “Laudato Si”

We shall need a substantially new way of thinking if humanity is to survive.(Albert Einstein)

The planetary emergencies we are facing (i.e. food , diseases, pollution, biodiversity, climate , energy, economy , demographic , social and political factors) are highly interwoven. To overlook this interrelation , particularly at a time when the human species, because of cultural evolution and technological intervention, is becoming increasingly distanced from the evolved life supporting and sustainable system is at our peril. Thus the technological innovations and applications involve ethical foundations that must also be complemented by results from **human sciences**. **Sustainability** is not a scientific field but a “conceptual framework” which encompasses multiple scientific and humanistic disciplines. (including epistemology, philosophy of science...)

**a sustainable human community must be designed in such a manner that its technologies and social institutions honor, support, and cooperate with nature's inherent ability to sustain life.
(Frijoft Capra)**

The 'control of nature' is a phrase conceived in arrogance, born of the Neanderthal age of biology and philosophy, when it was supposed that nature exists for the convenience of man.(Rachel Carson)

Nature is relentless ...and it is indifferent as to whether its hidden reasons and actions are understandable to man or not. (Galileo Galilei)

Thus to tackle the problem/s of planetary boundaries we need a multidisciplinary approach and a profound cultural “metanoia” that can guide our decision making as far as , for example, technological application of scientific knowledge and economic and marketing strategies. For example the new field of neuroeconomics point out that our brain is adapted to unconscious decision making preventing a “rational” thinking that in our present cultural situation represents a dysfunctional response.

The Ettore Majorana Foundation and Centre for Scientific Culture
President: Prof. Antonino Zichichi

will host the

32nd workshop of the INTERNATIONAL SCHOOL OF ETHOLOGY

Directors of the School: Prof. Danilo Mainardi, Prof. Stefano Parmigiani

and

1st workshop of the INTERNATIONAL SCHOOL OF NEUROSCIENCES "Sir John Eccles"

Directors of the School: Prof. PierFrancesco Ferrari, Prof. Giacomo Rizzolatti

NEUROECONOMICS: RECENT ADVANCES AND FUTURE DIRECTIONS

June 15-20, 2014
Erice, Sicily, ITALY



Purpose of the Workshop

Neuroeconomics is an interdisciplinary field that combines theories and methods from economics, psychology, and neuroscience to understand the foundations of economic choice behavior and decision-making

The Ettore Majorana Foundation and Centre for Scientific Culture

President: Prof. **Antonino Zichichi**

39th workshop of the INTERNATIONAL SCHOOL OF ETHOLOGY

Directors of the School: Prof. **Danilo Mainardi**, Prof. **Stefano Parmigiani**

TRANSLATIONAL NEUROSCIENCE AND MENTAL DISORDERS: Bridging the gap between animal models and human condition

November 4-9, 2016

Erice, Sicily, ITALY

Workshop Organizer:

Caroline Blanchard (University Hawaii), Paul Brain (University of Swansea), Stefano Parmigiani (University of Parma) & John Rodegers (University of Leeds)





SUSTAINABILITY SCIENCE

Advance basic scientific understanding to facilitate the design, implementation, and evaluation of practical interventions that promote sustainability of human-environment systems. [...]gained from an holistic approach including historical sciences [...],social sciences and humanities, in order to evaluate, mitigate, and minimize the consequences, regionally and worldwide, of human impacts on planetary systems and on societies across the globe and into the future.....Thus one major task of Sustainability Science t is the integrated cross-disciplinary coordination[...] for sustainable development, and become a major focus for research

The Sustainability Center may represent the “glue” and “ the spirit” of The Manhattan New Project in which PMPs interact to produce conjoint Projects

**We are at the very beginning of time for the human race problems.
Our responsibility is to do what we can, learn what we can,
improve the solutions, and pass them on.**

Richard P. Feynman

**ANOTHER IMPORTANT MISSION OF THE NEW MANHATTAN
PROJECT:
SCHOLARSHIP and EDUCATION**

A letter that was never sent...2012 Planetary Emergences
E. Lorne, S. Parmigiani and F: vom Saal—Session on Green
Chemistry and the necessity of a new “curriculum studiorum”
We realized that it was crucial to redesign the way we teach
science.... **The importance of the Cultural transmission “ a
cultural revolution”**

science and humanities are not two things but two sides of the same thing (T.H. Huxley)

If there is a desert is the desert of our imagination (Antonino Zichichi)

The passion create the genius (Galileo Galilei)

The EMFCSC is a worldwide recognized prestigious foundation capable of stimulating ideas and collaboration between people with different expertise (ranging from science to humanities). **Consequently in this warm and passionate proposal of a sustainability science center wants to be an expression of profound gratitude to our President Prof. Antonino Zichichi for the energy, enthusiasm and stamina he has devoted to the realization of the Ettore Majorana Centre., The International Seminars on Planetary Emergencies and the New Manhattan Project**

So for the scholarship and education mission I dare to propose the foundation of a new school i.e. The International School of Sustainability Science (director A. Zichichi.....)