



UNITED NATIONS
UNIVERSITY



CENTRO INTERUNIVERSITARIO
DI RICERCA PER LO SVILUPPO
SOSTENIBILE - CIRPS

SAPIENZA
UNIVERSITÀ DI ROMA

ASU
ARIZONA STATE
UNIVERSITY



THE UNIVERSITY OF TOKYO

“A Roadmap for Industry-Academia collaboration towards
sustainability”

SUSTAINABILITY SCIENCE WORKSHOP

*Conference Room 6 - North Lawn Building
United Nations Headquarters - New York
October 5th 2010*

Prof. Fabio Orecchini
Head of Energy and Environment Research Group
CIRPS – Interuniversity research centre for sustainable development
Sapienza University of Rome, Italy

THE CONCEPT BEHIND

A new Science in the 21st Century

cannot be developed without a collaboration

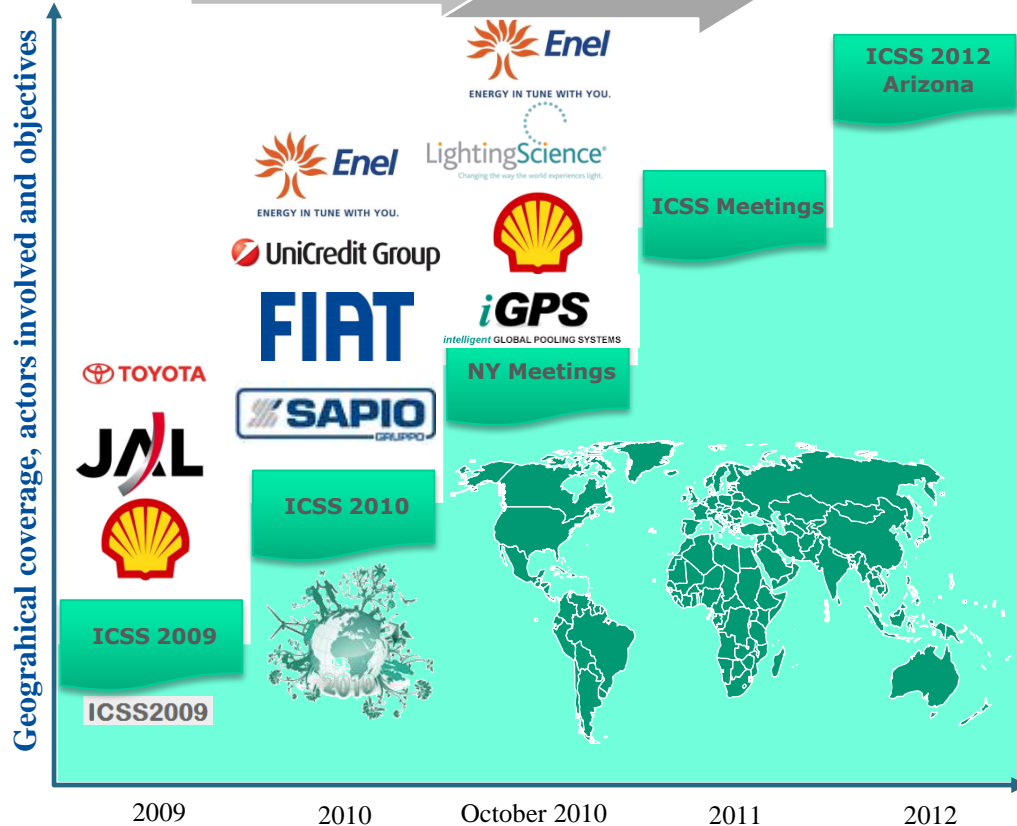
between “business” and academia

We have to get the knowledge “where it is”

THE EVOLUTION OF I&A COLLABORATION

From collaboration...

...to international Working Group



ICSS 2012 - Arizona

- I&A collaboration state of the art
 - ✓ Results
 - ✓ Challenges
 - ✓ Next steps

ICSS Meetings

Future meetings focused on specific issues/topics decided in NY (*i.e. energy sustainability, indicators, etc.*)

NY Meetings

- Sustainability Science International Society Kick-off
 - Geographical coverage expansion
 - Roadmap with key issues to be addressed
 - Paper of Wills signature
-
- Enhancement of I&A collaboration
 - Paper of Wills
 - Roadmap

ICSS 2009

- ICSS Kick-off
- I&A collaboration Kick-off

ICSS 2009

1st Edition of International Conference on Sustainability Science

Tokyo, February 2009

Panel “Sustainability Science for Industry”

*** Industry Participants:**

- *Toyota Motor Company*
- *Japan Airlines*
- *Showa Shell*

ICSS 2009

International Conference on Sustainability Science 2010

Rome, June 23-25

Panel 1 “Industry and Academia for a transition towards Sustainability”

*** Industry Participants:**

- *Unicredit Group*
- *Fiat Group Automobiles*
- *Enel*
- *Sapio*

ICSS 2010 Panel 1 “Industry and Academia for a transition towards Sustainability”

Working Points

Industry

- **How to enhance Industry-Academia collaboration**
- **Industry Strategy for Sustainable Business**
- **How to measure sustainability and sustainable business:** *beyond conventional economic indicators*
- **Deployment of new technologies:** *effective policies to promote sustainable business*
- **Industry and Sustainability:** *reaching a shared definition of Sustainability Science*

Academia

- **How to enhance Industry-Academia collaboration**
- **Industry Strategy for Sustainable Business**
- **How to measure sustainability and sustainable business:** *beyond conventional economic indicators*
- **Deployment of new technologies:** *effective policies to promote sustainable business*
- **Industry and Sustainability:** *reaching a shared definition of Sustainability Science*

PAPER OF WILLS

- ✦ Declares intentions of the cooperating parties
- ✦ Indicates guiding principles of the collaboration
- ✦ Identifies main areas of cooperation
- ✦ Establishes the modus operandi
- ✦ Paves the way forward to key actions

ROADMAP FOR THE I&A COLLABORATION

“To do” list:

- * Increase the support of key industries from different continents**
- * Select key topics for future workshops before ICSS 2012**
- * Set-up of Working Groups activity**
- * Development of Topic Briefs**

CENTRO INTERUNIVERSITARIO
DI RICERCA PER LO SVILUPPO
SOSTENIBILE CIRPS



SAPIENZA
UNIVERSITÀ DI ROMA

Prof. Fabio Orecchini
Head of Energy and Environment Research Group
CIRPS - Interuniversity research centre for sustainable development
Sapienza University of Rome - Italy

fabio.orecchini@uniroma1.it

THANK YOU FOR YOUR ATTENTION

THANKS TO MY RESEARCH GROUP



NY - 5th October 2010



UNITED NATIONS
UNIVERSITY



CENTRO INTERUNIVERSITARIO
DI RICERCA PER LO SVILUPPO
SOSTENIBILE - CIRPS
SAPIENZA
UNIVERSITÀ DI ROMA



THE UNIVERSITY OF TOKYO