BRAINSTORMING

“Traceability of Innovative Materials and their Interactions with the Earth System”

November 12th - 13th, 2014
National Research Council of Italy, P.le Aldo Moro, 7, Rome, Italy - Library Room A

AGENDA

Wednesday 12th

13:15 - 13:45  Participants’ welcome point and light lunch

Session objectives: Develop a new way of looking at Environment with high-level experts with background in environmental sciences, production research, green chemistry, cognitive sciences and with experts from manufacturing firms, climate services, complexity systems, foresight studies. Collect stimulus, radical ideas, problems and opportunities to develop forward looks at environment considering:

Session topics:

1. Can innovative materials be traced by their own characteristics. Whether and how enable traceability during the complete life-cycle, independently from the dispersion in the environment and into future materials, products, processes and services
2. How can innovative materials be designed to include traceability as an integrated function or property. What intrinsic aspects and technologies can allow early understanding and prediction of negative interactions
3. Is foreseeable a modeling approach to understand and to extrapolate the interactions with the Earth system for a sustainable progress. Which priority domains will require traceability (manufacturing, internet of things, food, health, ...)

14:00 - 14:30  Welcome and introduction to session objectives
   Ezio Andreta (S&T Foresight Project Coordinator, It), Stephen Taylor (Facilitator, AREA Science Park, It), Francesco Tampieri and Augusta Maria Paci (Environment WG Coordinators, CNR, It)

14:30 - 15:45  Experts’ stimulus on the three topics:
   Julian Hunt (Emeritus Professor and Lord of Chesterton, Uk), Nicola Armaroli (CNR, It), Shozo Takata (Waseda University, Jp),
   David Cole-Hamilton (St. Andrew University, Uk) Mario De Caro (UniRoma3, It)

15:45 - 16:15  Share ideas and coffee break

16:15 - 17:15  Experts’ stimulus on the three topics:
   Cristina Cristalli (Loccioni, It), Antonello Provenzale (CNR, It), Jacek Marczyk (Ontonix, It), Andrea Ricci (ISIS, It)

17:15 - 17:45  Share ideas

17:45 - 18:00  Priority domains?

20:00  Dinner

Thursday 13th

Session objectives: Domain related aspects, problems and opportunities for radical ideas, technology developments and prioritization

Session topics:

1. Which are the conditions for the harmonization of different strategies of development
2. Investigate domain related long-term needs with pros and cons (avoiding perfect solutions). Wishful conditions such as R&I, money, morals and laws matters

9:30 - 10:15  Boosting radical ideas and circumstances (domain, place, culture, market) useful to traceability (All experts)

10:15 - 11:00  Share ideas and coffee break

11:00 - 12:30  Closing remarks and light lunch

WEBSTREAMING: request login and PW to padula@itc.cnr.it and to dipasquale@itc.cnr.it. Write in the request personal details: name, surname, email. Comments and questions can be posted in a related Web forum.