



INVESTMENTS ON INNOVATION

TECHITALY2014

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SESSION 1

HORIZON 2020: TRANSFORMING GLOBAL CHALLENGES IN OPPORTUNITIES FOR GROWTH

Brussels,
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European Parliament

On the occasion of



Presidenza Italiana
del Consiglio
dell'Unione Europea



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PANEL 1 - OPEN, SAFE AND SECURE CYBER SPACE NEW SECURITY FRONTIERS BEYOND TECHNOLOGY

Working language: English

ROOM A1G-2

10:30 – 13:30

ROUND TABLE

Moderator: Paolo Raffone: Co-Founder & CEO at the CIPI Foundation

THE INTERNATIONAL ORGANIZATIONS' APPROACH TO CYBER SECURITY

Activation of all appropriate initiatives by the International Community is fundamental to prevent and counter malicious cyber activities. High-level representatives of NATO, EUROPOL and ENISA will discuss about the most effective measures and strategies they implement in order to tackle these complex challenges, stressing the fact that a collective response is essential to improve cyber defence capabilities.

Panelists:

- Sori Ducaru Ambassador : Assistant Secretary General for Emerging Security Challenges, NATO
- Ioan Mircea Pascu, MEP: Vice Chairman, Committee on Foreign Affairs, European Parliament
- Troels Oerting: Assistant Director Europol, Head of European Cyber Crime center
- Steve Purser: Head of Core Operations Department, European Union Agency for Network and Information Security (ENISA)

THE PROTECTION OF CRITICAL INFRASTRUCTURES: INDUSTRY SECURITY MANAGERS AND THE LEGAL FRAMEWORK

Cyber-attacks may not only be directed against States' vital communication nodes, but could also damage critical infrastructures, which are the backbone of a nation's economy, security and health systems. Specialists from the institutions, industries and associations will draw the attention to the importance of protecting critical infrastructures and strategic assets, from which the security of citizens and the state's wealth depend on.

Panelists:

- Franco Fiumara, Chief Security Officer of the Corporate Security Department, Ferrovie dello Stato Italiane Group
- Belgacom Group *
- Paolo Solferino: General Director, Vitrociset S.p.A.
- Stelian Arion: Romanian Association for Critical Infrastructure Protection (ARPIC)

INSTITUTIONAL NEEDS, RESEARCH AND INDUSTRIAL SOLUTIONS

The unpredictable nature of cyber threats requires a constant alignment of prompt responses at all levels. Responses which need to come up from public, private sector and scientific community. They must spread high awareness of the emerging cyber environment and ensure up-to-date solutions as closely as possible with the reality of the cyber world. These topics will be addressed by high-profile experts, especially considering future trends and scenarios.

Panelists:

- Paul MacGregor: Vice President Security & Smart Systems, Selex ES
- Michele Minichino: Critical Infrastructure Protection Projects Coordinator, National Agency for new technologies, Energy and sustainable economic development (ENEA)
- Maurizio Aiello: National Delegate Horizon 2020, National Research Council of Italy (CNR)

CLOSING REMARKS:

"Italian industry facing the cyber security threats: challenges, perspectives, and future strategies". Giovanni Soccodato, Chief Strategy Manager, Finmeccanica Group

13:30 - SANDWICH LUNCH



**PANEL 2 - DEMOGRAPHIC CHANGES:
GLOBAL CHALLENGES ▶ TECHNOLOGY ▶ OPPORTUNITIES**

Working language: English

ROOM (TBD)

Demographic Changes are a Global Challenge. And one that poses serious threats to the sustainability of Health and Social Systems. As such, Demographic Changes is a mainstay of engagement in many national policies for Research and Technological Development as well as in the just launched EU Horizon 2020 Framework Programme.

The variations of Demographic Changes are very wide and span in a vast multidisciplinary scenario: from evolutionary biology of human life from embryonic life to advanced age to the search for effective and sustainable solutions to social systems and welfare.

Beyond state-of-the-art innovation strategies, advanced therapeutic solutions and “high-tech” support for the re-gain of lost function do indeed contribute to the maintenance of an Active and Healthy life in the process of Ageing.

Technological progress has, in fact, the potential to transform the Global Challenge of Demographic Changes into a significant socio-economical opportunity. Witnesses of this fundamental process, several stakeholders of the national and international panorama will share opinions, perspectives and foresight in a dynamic and constructive format, framed in the Italian Semester of Presidency of the EU and aimed at witnessing the the Italian excellence in full inter-operability of EU – and beyond – strategic processes targeting effective solutions to global challenges.

10:30 – 10:50 LECTURE

THE DETERMINANTS OF ACTIVE AND HEALTHY AGEING

Roberto Bernabei
Coordinator of the Innovative Medicine Initiative (IMI) “SprintT -Sarcopenia and Physical Ralilty IN older people: multi-component Treatment strategies ” Platform.

10:50 – 11:10 LECTURE

**THE CHALLENGE OF AGEING AND DEMOGRAPHIC CHANGES
FROM THE INDUSTRY PERSPECTIVE: WHICH STRATEGY?**

Massimo Scaccabarozzi
President, Farindustria and CEO Janssen Italia

11:15 – 13:30 ROUND TABLE

Moderator: Emiliano Briante, Ambrosetti - The European House
Discussant: Francesca Fanuele, TG LaSette

Panelists:

- Paolo Maria Rossini, Chairman of the Joint Programming Initiative “More Years, Better Lives – The Potential and Challenges of Demographic Changes - MYBL”.
- Rafael de Andres Medina, President of the Joint Programming “Ambient Assisted Living – AAL”
- Sergio Dompé, CEO Dompé Pharmaceuticals
- Jean Bousquet, Academic Representative, the European Innovation Partnership on Active and Healthy Ageing – EIP-AHA.
- Daniele Finocchiaro, CEO, GlaxoSmithKline Italia
- Richard Tuffs, Director ERRIN – The European Regions Research Innovation Network
- Pietro Siciliano, President Italian Ambient Assisted Living (CNR - IMM)
- Francesco Pavone, Member of the Human Brain Project European Laboratory for Non Linear Spectroscopy, University of Florence

13:30 - SANDWICH LUNCH



PANEL 3- RAW MATERIALS FOR THE EU MANUFACTURING INDUSTRY: TACKLE SUPPLY RISKS, CREATE OPPORTUNITY

Working language: English

ROOM A1G-2

The sustainable and efficient supply, processing and use of raw materials for the European industry and society as a whole represents one of the main challenges identified by the European Commission. There is a growing awareness of the need to tackle the issue of raw materials and resource efficiency strategies at regional, national and EU levels. Closer cooperation in the EU not only between public bodies, but especially between public and private players, will provide the impetus needed to overcome the major obstacles. Innovation and R&D and demand-side measures are then needed to achieve societal targets quicker and more efficiently.

As the issue of sustainable and safe raw materials is increasingly important for several EU Member States, the workshop comes timely to contribute to the discussion about R&I investment on raw materials and related policies in the EU, and aims to highlight the products, knowledge and both technology- and non-technology-based innovations developed by leading international actors (large industry, SMEs) and give concrete examples of possible solutions found by RTD performers and practical examples of the challenges faced by Member States, Regions, RTD performers and business.

14:15

KEY NOTE SPEECH

RAW MATERIALS FOR REINDUSTRIALISING EUROPE

Mattia Pellegrini, Head of Cabinet of Commissioner for Industry and Entrepreneurship

14:45 – 17:45

ROUND TABLE

Moderator: Alessandro De Biasio, Ambrosetti-The European House

RAW MATERIALS DEPENDENCE OF THE EU MANUFACTURING

EU manufacturing industries and workers are world leaders for a number of high-value goods. They expect to keep global leadership and enter emerging markets. However, the dependence on foreign supply of raw materials, the related markets instabilities and weak regulations endanger these expectations. This panel highlights the main needs and risks for relevant EU value chains.

Panelists:

- Vangelis Tzimas, JRC-Petten
- Inge Ceuppens, European Defence Agency
- Marco Nahmias, Pirelli Tyre
- Alexis Van Maercke, European Commission, DG-ENTR.F.3
- Ivana Ciabatti, Federorafi
- Patrick Wallez, DG TAXUD (tbc)
- Luis Tercero Espinoza, Fraunhofer ISI

16:00 - Coffee break

THE SOLUTIONS TO SECURE RAW MATERIALS SUPPLY TO EU

Possible solutions to mitigate risks of raw materials shortage to EU industry are: increase of raw materials production with sustainable technologies, improvement of the recycling value chains and raw materials recovery, exploiting the full potential of critical raw materials substitution. This panel addresses how new technologies, international collaboration, interdisciplinary approach to raw materials risk management provide real opportunities to take the challenge.

Panelists:

- Gloria Nunes Rodriguez, European Commission, DG Education and Culture
- Eric Pirard, Univ. Liege
- Par Weihed, Univ. Lulea
- Anamaria Magri Pantea, Ascend Consulting Malta
- Giulia Sagnotti, Ministry for the Environment, Land and Sea of Italy
- Dario Della Sala, ENEA
- Emile Elewaut, TNO
- Daniela Velte, Tecnalia

17:45 - End of the workshop



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