

High-level conference EU research and innovation in our daily life



Joint conference of the **European Parliament** and the **European Commission**
European Parliament, Brussels – 27 November 2018

From medical advances to cleaner energy and high-level engineering, research projects funded by the European Union play a key role in improving our daily lives.

Programme

12:30 – 14:00 Registration of participants

14:00 – 15:15 Opening (plenary chamber)

- **Antonio Tajani**, President of the European Parliament
- **Henryk Skarżyński**, Director of the World Hearing Center in Kajetany

Mini concert with the Ambassadors of Contemporary Achievements of Science and Medicine

- **Arnau Pozas Saiz**, Spain, saxophone, **Anna Adamowska** Poland, violin and **Zygmunt Czupryn**, Poland, accordion

Video R&I achievements

- **Carlos Moedas**, Commissioner for Research, Science and Innovation, European Commission
- **Heinz Faßmann**, Austrian Minister of Education, Science and Research
- **Luigi Naldini** presenting Margaux Case with her parents (ADA deficiency, Italy-Belgium)
- **Bertrand Piccard**, UN Environment Goodwill Ambassador

Video Nobel Prizes

(Press Conference Tajani - Moedas)

15:15 – 15:30 Introduction to the Panels (plenary chamber)

- **Jerzy Buzek**, Chair of the Industry, Research and Energy Committee (ITRE)

Video message from Fabiola Gianotti, Director General, CERN

- **Michele Punturo**, presenting GRAWITON discoveries, Italy

#ResearchImpactEU

15:15 – 16:30 Panel 1: Health and wellbeing (plenary chamber)

Chair: Adina-Ioana Vălean (EPP), Chair of the Environment, Public Health and Food Safety Committee

Introduction by: Adina-Ioana Vălean – Anne Bucher, Director General for Health and Food Safety – Public Health

- **Jean-Pierre Bourguignon**, President, European Research Council (ERC)
- **Karin Kadenbach (S&D) – Françoise Grossetête (EPP) – Marisa Matias (GUE)**

Christian Cipriani, Director Institute of biorobotics – Istituto Superiore S.Anna, Italy

Francesco Cognetti, Director of Medical Oncology at Regina Elena National Cancer Institute in Rome and President of “Insieme Contro il Cancro” Foundation

Biorobotics as a scientific and engineering “platform” for the development of healthcare technologies, especially for restoring the quality of life after a severe injury or a pathology. The research on artificial limbs as an example of the integration between engineering and science. New frontiers in the fight against cancer: the revised hallmarks of cancer; progress, innovation and clinical value.

Luis Serrano, MycoSynVac project, Spain

MycoSynVac project is successfully producing an effective vaccine that treats infections in farm animals, reducing greatly the amount of antibiotics entering the food chain and causing long term damage to human health.

Emma Teeling, AGELESS project, ERC grantee, Ireland

Dr Teeling studies the extraordinary longevity of bats and the underlying molecular mechanisms governing this process leading to the design of innovative therapeutic strategies which could counter the ageing process in humans.

Deborah Watson-Jones, EBOVAC 1 project, United Kingdom

A vaccine candidate for Ebola in the final phase of clinical development. About 2 million doses of the vaccine are stockpiled and available if requested by the World Health Organisation in case of an Ebola outbreak.

João Silva Sequeira, MONARCH project, Portugal

A robot named ‘Little Casper’ designed to help children in hospital suffering from cancer. Casper plays and talks. Sophisticated sensors, art imaging devices and navigation systems allow him to autonomously move around, recognising young patients and avoiding obstacles.

Q&A

15:15 – 16:30 Panel 2: A sustainable environment (Paul-Henri Spaak building 3C050)

Chair: Benedek Javor (Greens), Vice-Chair of the Environment Public Health and Food Safety Committee (ENVI)

Introduction by: Jerzy Buzek (EPP), Chair of the Industry, Research and Energy Committee, **Jean-Eric Paquet**, Director General for DG Research and Innovation

- **Prof. Dr. Daniela Jacob**, leading author of the Intergovernmental Panel on Climate Change Report (IPCC) and Director of the Climate Service Center Germany (GERICS)
- **Miriam Dalli (S&D) – Paul Rübzig (EPP) – Marian-Jean Marinescu (EPP) – Gesine Meissner (ALDE)**

Luigi Capuzzi, FIRST2RUN project, Italy

First2Run is showing how oil extracted from seeds from hardy, non-food crop can be refined on a commercially viable scale to produce products such as bioplastics, cosmetics, lubricants, fertilisers, herbicides and animal feed.

Emma Östmark, TRASH-2-CASH project, Sweden

A new model where paper and textile waste is recycled chemically resulting in fabrics that are of the same quality as new materials making products that are industrially replicable and infinitely recyclable.

Stefan Bouzarovski, EVALUATE project, United Kingdom

The project aims at improving the measurement, monitoring, sharing of knowledge and best practices on energy poverty from local to European level. Such data could be crucial for global policy in helping us to understand how future urban transitions – such as the change to a low carbon energy supply – could play out for household consumers and urban systems alike.

Trine Heinemann, E-FERRY project, Denmark

Electric ferries and digital communication between ships could help to decarbonise maritime transport. The first 100 % electric-powered medium range passenger and vehicle ferry will use a new modular, lithium-ion battery system.

Q&A

16:45 – 18:00 Panel 3: Innovation: let's put research results on the market (plenary chamber)

Chair: Patrizia Toia (S&D), Vice Chair of the Industry, Research and Energy Committee

Introduction by: Patrizia Toia (S&D), Dominique Ristori, Director General for DG Energy

- **Daria Tataj**, Chairwoman of RISE High-Level Advisors to Carlos Moedas, EU Commissioner for Research, Science & Innovation
- **Christian Ehler (EPP) – Dan Nica (S&D) – Reinhard Bütikofer (Green)**

Karen Dolva, NO ISOLATION project, Women Innovators – Rising Innovator (winner 2018), Norway

A Norwegian company created a robot to help children and young adults forced by illness to take extended time away from school, to maintain a presence in the classroom, communicate with friends, and socialise.

Suvi Haimi, SULACHANGE project, Finland

A packaging material just like plastic but without the waste! Sulapac is a mass producible ecological packaging that's fully bio-degradable made of wood and natural binders with no harmful components. It can be used as an alternative to plastic.

Antonio Martinez Arbizu, WILLPOWER project, Germany

Make your own fuel from CO2 at home and become independent from energy providers. To turn this ambitious dream into reality, the project targets in a first step a sector which accounts for more than 73% of the fossil fuel usage and 57% of all CO2 emissions in the EU: heating!

John Michael Nolan, CREST project, Ireland

Dr John Nolan is developing a targeted approach that could optimise the nutrition of the eye. This research will lead to improvements in eyesight for many sufferers of impaired vision, and potentially be beneficial even for those who are considered to have 'normal' vision.

Q&A

16:45 – 18:00 Panel 4: Safe and secure society for all (Paul-Henri Spaak building 3C050)

Chair: Eva Kaili (S&D), Chair of the European Parliament's Panel for the future of science and technology

Introduction by: Eva Kaili (S&D), Roberto Viola, Director General for Communications Networks, Content and Technology, European Commission

- **Elisabetta Gardini (EPP) – Constanze KREHL (S&D) – Lambert Van Nistelrooij (EPP)**
- **Fabrice Leggeri** – Director of the European Border and Coast Guard Agency (EBCGA – FRONTEX)

Pierre Delsaux – Deputy Director General DG GROW Internal Market, Industry, Entrepreneurship and SMEs, **Galileo and Copernicus programmes.**

Galileo is the EU's Global Satellite Navigation System (GNSS), sometimes called the 'European GPS'; providing accurate positioning and timing information. It is autonomous but also interoperable with existing satellite navigation systems. Copernicus is the European Union's Earth Observation Programme, looking at our planet and its environment for the ultimate benefit of all European citizens.

Pedro Torres, SMART-TRUST project, Portugal

Improving the quality, convenience, efficiency and security in government services, travel, border control and all smart facilities through integrated, user-centric, digital identity management solutions and services built upon trusted biometry.

Guillaume Sannie, C-BORD project, France

C-BORD has developed and tested in 3 European checkpoints a modular system of new and enhanced technologies for the Non-Intrusive Inspection (NII) of cargo containers. Using the complementarity between technologies, C-BORD has proven efficient and reliable in detecting dangerous and illegal goods.

Stefano Scafè, Advanced Forest Fire Fighting (AF3) project, Italy

To defend against these fires, the project is trying to improve both firefighting logistics and technology developing a pellet made of extinguishing materials which can be dropped from a greater height.

Alessandro Annunziato, Tsunami assessment modelling system, Joint Research Centre (JRC)

The JRC has developed and operates the only worldwide automatic Tsunami alerting system. It can quickly calculate the estimated wave height and travel time and automatically send an alert message through the Global Disaster Alerts and Coordination System.

Q&A

18:15 – 18:45 Concluding remarks (plenary chamber)

- **Antonio Tajani**, President of the European Parliament
- **Sorina Pinte**a, Health Minister of Romania
- **Carlos Moedas**, Commissioner for Research, Science and Innovation, European Commission

Exhibition

DREAM project, Sweden

Few could deny the power of computer games and avatars to entertain us and perhaps even educate us. But now researchers are turning to internet and robotic technologies to develop new ways of helping children with autism interact with the world around them.

INFORMED project, The Netherlands

New platform approach to the innovation chain for next-generation medical devices, giving a boost to European manufacturers, establishing a facility that companies can use to manufacture and test prototype micro medical devices.

INCEPTION project, Italy

Innovation in 3D modelling of cultural heritage through an inclusive approach for time-dynamic 3D reconstruction of artefacts, built and social environments. Curators can then load the digital version of these features with interactive information that visitors can access through a tablet or a mobile phone and compare what they see around them.

COURAGE project, Hungary

The EU-funded COURAGE project is compiling and analysing collections of cultural opposition in former socialist countries, making the collections more accessible for educational and research purposes and highlighting their importance as a testimony to anti-communist opposition in Europe.

GALILEO Satellite Programme, European Commission

The Galileo Satellite programme of the EU is an important contributor to saving lives at sea. Putting the capacity of its satellite constellation at disposal of the international Search & Rescue (SAR) organisation Cospas-Sarsat, Europe helps to reduce the distress signals detection delays from up to 4 hours to less than 10 minutes.