

THE MONTHLY LIST

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COLLABORATION BETWEEN LIST AND THE LUXEMBOURG DIRECTORATE OF DEFENCE ON RESEARCH AND INNOVATION

The new cooperation agreement between LIST and the Luxembourg Directorate of Defence on research and innovation in the field of defence, aims to conduct research and development projects focusing on “dual-use” technologies with civil and military applications, particularly concerning environmental technologies, information and data processing, and materials.

On 21 March 2018, the Secretary of State for Defence, Francine Closener, and the Luxembourg Institute for Science and Technology (LIST) signed a cooperation agreement between LIST and the Luxembourg Directorate of Defence on research and innovation in the field of defence. Favouring the implementation of defence guidelines, the aim of this agreement is to conduct joint research and development projects focusing on so-called “dual-use” technologies with civil and military applications.

With a total budget of 5 million euros allocated over five years, the agreement facilitates research and development (R&D) projects and programmes, which will focus on varied technologies, in particular:

- Environmental technologies, with a view to optimizing the use of mapping tools, geospatial data analysis used for decision-making support in emergency situations, and also to optimize the production, storage and distribution of drinking water for external field operations;
- Information and data processing, necessary in the event of natural disasters or for field operations, as well as in the fight against cyber-attacks, and the development of digital solutions for the safe transportation of hazardous goods;
- Materials, and specifically the development of composite materials, advanced materials and so-called “smart” materials.

These research and innovation projects contribute to the recent initiatives launched by the European Union to encourage member states to further support R&D in the defence sector.

In 2017, the Luxembourg Directorate of Defence invested 3 million euros in R&D with the ultimate aim of allocating 2% of the Luxembourg national defence effort for this purpose.

Press release from the Ministry of Foreign and European Affairs / the Luxembourg Directorate of Defence.

Photo from left to right: Fernand Reinig, LIST CEO a.i., Georges Bourscheid, Chairman of the LIST Board of Directors, Francine Closener, Secretary of State for Defence, Patrick Heck, Director of Defence Luxembourg.

OTHER HIGHLIGHTS



Event

LIST TECH DAY 2018 – TOWARDS BUILDING NEW PARTNERSHIPS

As a Research and Technology Organization (RTO), LIST's objectives include contributing actively to the building of tomorrow's Luxembourg by establishing a link between research and society as a whole. In this context, on 21 June 2018, LIST will welcome numerous industry leaders and business owners to its first Tech Day at the Halle des Poches à Fonte, Esch-Belval (LU). The aim of the event is to help business leaders discover how LIST can help their company succeed while creating an environment that will facilitate potential collaborations and partnerships. Participation is reserved for business owners, CEOs, CFOs and other decision-makers. [Learn more on www.list.lu](http://www.list.lu) or register at info@list.lu

Europe

LIST PART OF THE LUXEMBOURGISH DELEGATION DURING THE STATE VISIT TO FRANCE

From 19 to 21 March 2018, on the invitation of the French President Emmanuel Macron, TRH the Grand Duke and Grand Duchess went to France for a state visit. Within the framework of this state visit, LIST, represented by Prof. Dr Eric Dubois, head of LIST activities in the IT for Innovative Services Department, was part of the Luxembourgish economic delegation, in which over 200 officials accompanied the Grand-Ducal couple. LIST's participation in this state visit enabled the Institute to present its activities and establish different contacts in the Big Data, cybersecurity and logistics domains. [Learn more on www.list.lu](http://www.list.lu)



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Collaborative Research

A NEW PRODUCT IN DEVELOPMENT WITH PM INTERNATIONAL

On 22 March 2018, in the scope of their ongoing collaboration, LIST and beauty product leader PM International AG officially introduced a new research and innovation project entitled "Innovative and sustainable solutions for developing new bioactive dietary supplements from Luxembourg winery by-products" (ACTIVITIS). The main objective of the project is to extract secondary plant compounds from grape pomace to develop an innovative immuno-stimulating dietary supplement in a sustainable way and in the context of the circular economy. The project will involve LIST's cutting-edge green extraction process and equipment.

[Learn more on www.list.lu](http://www.list.lu)

International

A PRIZE-WINNING VISIT TO TOKYO FOR A LIST RESEARCHER

LIST researcher Ramona Pelich was selected by the Ministry of Economy to represent Luxembourg in the Young Professional event (Y-ISEF) of the 2nd International Space Exploration Forum in Tokyo (JP), which took place from 28 February to 3 March 2018. At the Y-ISEF 2018 competition, Pelich and her team came away with two prizes. Following this, Pelich presented the flood monitoring work conducted by LIST's Remote Sensing team at the University of Tokyo. She also visited and gave a talk to the International Centre of Excellence for Water Hazard and Risk Management (ICHARM) under the auspices of UNESCO. [Learn more on www.list.lu](http://www.list.lu)



WHERE TOMORROW BEGINS

Located at the heart of Belval's Research & Innovation Campus, LIST can easily connect its 600-plus specialists in materials, environment and IT, including its many PhD students, through a broad range of joint research projects, programmes and partnerships with virtually all of Luxembourg's other major research players. At Belval, the University of Luxembourg, LIH, LISER, Technoport, Luxinnovation and the Luxembourg National Research Fund are all literally within arm's reach.

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