

THE MONTHLY LIST

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LIST AND THE NATIONAL COMPOSITE CENTER UK SIGN COLLABORATION AGREEMENT

During their visit to Bristol, LIST CEO Gabriel Crean and NCC-UK Executive Director of Strategy & Business, Alison Starr signed a Memorandum of Understanding in the presence of Luxembourg's Deputy Prime Minister Schneider. The agreement sets out to advance the innovation capacity across the two organisations. LIST already has particular expertise in bio-based materials, nano additives and life cycle analysis and hopes to further expand its activities through this partnership.

Photo: from left to right: Etienne Schneider (Deputy Prime Minister and Minister of the Economy), Alison Starr (NCC Executive Director of Strategy & Business), Gabriel Crean (CEO, Luxembourg Institute of Science & Technology)

A few months after the official presentation of the future National Composite Centre Luxembourg (NCC-L), to be operated by the Luxembourg Institute of Science and Technology, a new partnership with the National Composites Centre in the United Kingdom (NCC-UK) was officially signed on July 26, 2016.

Professor Gabriel Crean, Chief Executive Officer at LIST, was part of the Senior Delegation from Luxembourg headed by the Deputy Prime Minister Etienne Schneider visiting the NCC-UK. On this occasion, a historic collaborative innovation agreement was signed between the NCC-UK and LIST. This is a powerful and positive example of ongoing collaboration in the European and Luxembourg innovation community.

The agreement sets out to advance the innovation capability and capacity across both organisations. Luxembourg's aspirations to strengthen its already strong innovation capacity and infrastructure is supported by the opening of the €60m NCC-L later this year. The new centre will complement LIST's capabilities in composite materials, which include bio-based materials, nano additives and life cycle analysis. The NCC-UK supports industry in research and development for composites products and manufacturing processes.

The Memorandum of Understanding was signed by Prof Gabriel Crean and NCC Executive Director of Strategy & Business, Alison Starr and offers an important opportunity for LIST to grow its knowledge and expertise through collaborative projects between Luxembourg and the UK.

OTHER HIGHLIGHTS



The IUMRS General Assembly, with Gabriel Crean, LIST CEO and President Emeritus of IUMRS, seated (second from right)

International

LUXEMBOURG WILL HOST THE 6TH WORLD MATERIALS SUMMIT IN 2017

After Portugal, China, the United States and France, Luxembourg has the honour of being unanimously awarded the organization of the 6th World Materials Summit by the International Union of Materials Research Societies (IUMRS). During 2 days, the world's leading scientists, policy makers and entrepreneurs will exchange ideas on the role of advanced materials in areas of strategic importance to Luxembourg. Rare earth and deep space supply, metallurgy and circular economy, CO₂ recycling, regional and industrial value chains as well as advanced manufacturing are emerging as key topics for this 6th edition of the World Materials Summit, organized by LIST in close partnership with Luxinnovation and FNR on 16 and 17 October 2017.

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

Environment

LIST ASSESSES HEALTH RISKS DUE TO BACTERIA IN HAUTE-SÛRE RESERVOIR

LIST seasonally monitors the bathing water quality of the Haute-Sûre reservoir in Luxembourg in order to guarantee the timely identification of health risks associated with cyanobacteria, also called blue-green algae. Acting as the local scientific authority, LIST has detected mass outbreaks of cyanobacteria at the reservoir this summer. Thanks to LIST's recommendations, the Ministry of Sustainable Development and Infrastructure has advised against bathing in the reservoir water since 30 August 2016. LIST's team of specialists are now combining microscopic and chemical analyses with hydrology, environmental pollution and climatology studies to better identify the factors that foster the appearance and development of such cyanobacteria blooms. [Learn more on www.list.lu](http://www.list.lu)



Horizon 2020

LIST EXPANDS ITS EUROPEAN FOOTPRINT LEADING FOUR MAJOR PROJECTS

LIST has recently won four new major European projects as part of Horizon 2020, the largest research and innovation programme ever carried out by the European Union. Through its Materials Research and Technology department, LIST will coordinate the npSCOPE and the COMPOSELECTOR projects with a total budget of 11.4 million Euros. Adding to this, two ambitious environmental projects, Nature4Cities and SPOTVIEW, have also convinced the European juries. Through these projects LIST will have the opportunity to intensify its collaboration with companies such as Airbus, Carl Zeiss, Dow Chemical and ArcelorMittal and increase the overall scale of these partnerships. [Learn more on www.list.lu](http://www.list.lu)



From left to right: LIST project leaders Tom Wirtz (npSCOPE), Elorri Igos (SPOTVIEW) and Benedetto Rugani (Nature4Cities)

Industry

CHAUX DE CONTERN AND LIST COOPERATE ON CIRCULAR ECONOMY

Within the Crossroads project, Chaux de Contern and LIST have recently started a promising collaboration investigating and assessing the environmental profile of existing and new construction products, that will contribute to industrial improvements according to the principles of circular economy. The project includes the development of the LIST ECOPACT software, aimed at facilitating the life cycle assessment of a large range of products and at obtaining reliable environmental profiles to be communicated in the B2B market. The project is scheduled to last until the end of 2017. [Learn more on www.list.lu](http://www.list.lu)



WHERE INNOVATIONS BEGINS.

Located at the heart of Belval's Research & Innovation Campus, LIST can ideally connect its over 500 specialists in materials, environment and IT, including its more than 70 PhD students, through a broad range of joint 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 National Research Fund are all literally within arm's reach.

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