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There can never be sustainable development without science

 Launched in January, the France-Egypt Cultural Year 2019 is an opportunity to highlight the respective achievements of the two countries and promote dialogue between them. It was in this spirit that Egypt's National Research Centre (NRC) and Grenoble's Institute of Engineering (Grenoble INP) – with Grenoble INP-Pagora / LGP2 acting as project managers – organised ICSSD 2019 (International Conference on Science and Sustainable Development, 16-18 September 2019, Cairo) on the theme “*There can never be sustainable development without science*”.

The longstanding scientific cooperation between the two institutions was reinforced by the signing of an agreement in April 2018. The conference was held under the aegis of Prof. Khaled Abdel Ghaffar, Minister for Higher Education and Research, Stéphane Romatet, French Ambassador to Egypt, Prof. Mohamed M. Hashem, President of the National Research Centre in Egypt and Prof. Naceur Belgacem, Director of Grenoble INP-Pagora, and under the leadership of Prof. Mamdouh Moawad, Vice President for Research & International Relations at the National Research Centre in Egypt. The opening ceremony was attended by 500 people.

Exploring topics as diverse as industry & innovation, water management, environment & climate change, food security, energy and public health, a number of international experts presented the results of research conducted within the scope of the Sustainable Development Objectives adopted by the UN. A cross-disciplinary conference, ICSSD 2019 focused on the sustainable solutions provided by science to ensure that, by 2030, future generations will benefit from socially equitable development that is both environmentally sound and economically prosperous.

In addition to Profs. Naceur Belgacem and Alain Dufresne, several members of the Grenoble INP-Pagora delegation, including a number of doctoral students, played an active part in the conference by presenting the progress achieved by the LGP2 laboratory's research.

Contact Naceur.Belgacem@pagora.grenoble-inp.fr
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Grenoble INP-Pagora, the international school of paper, print media and biomaterials. The school is Quality, Safety & Environment certified and part of Grenoble INP, an engineering institute geared towards training “*engineers who are creative, responsible and committed to a sustainable world*”. It trains engineers for the sectors of green chemistry, paper, printing, packaging, biomaterials and printed electronics. Its wide range of courses, pedagogical expertise and strong partnerships with industry allow it to continuously tailor its training to the needs of businesses and to the 60 graduates it produces each year, thus enabling them to embark upon stimulating careers in France and abroad. Grenoble INP-Pagora also develops international training in conjunction with several European universities: it offers a 2nd year engineering course and a Biorefinery & Biomaterials Masters, both taught in English. The innovative research performed by its LGP2 laboratory helps to improve processes and create products that meet all the latest requirements, notably those linked to the environment. These various activities ensure that the training offered is up to date with the latest scientific and technological advances.
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The Laboratory of Pulp and Paper Science and Graphic Arts (LGP2) is a joint research unit (UMR 5518) run by the CNRS, Grenoble INP and the AGEFPI. It conducts its scientific activities in conjunction with the academic community of Grenoble Alpes University. LGP2 comprises three teams: *Biorefinery: chemistry and eco-processes* – *Multiscale biobased materials* – *Surface functionalization through printing processes*. Their research strives to meet society's expectations when it comes to sustainable development (green chemistry, clean processes, recycling, biobased materials, renewable energy) and traceability & safety (functional materials, smart paper and packaging). pagora.grenoble-inp.fr/lgp2