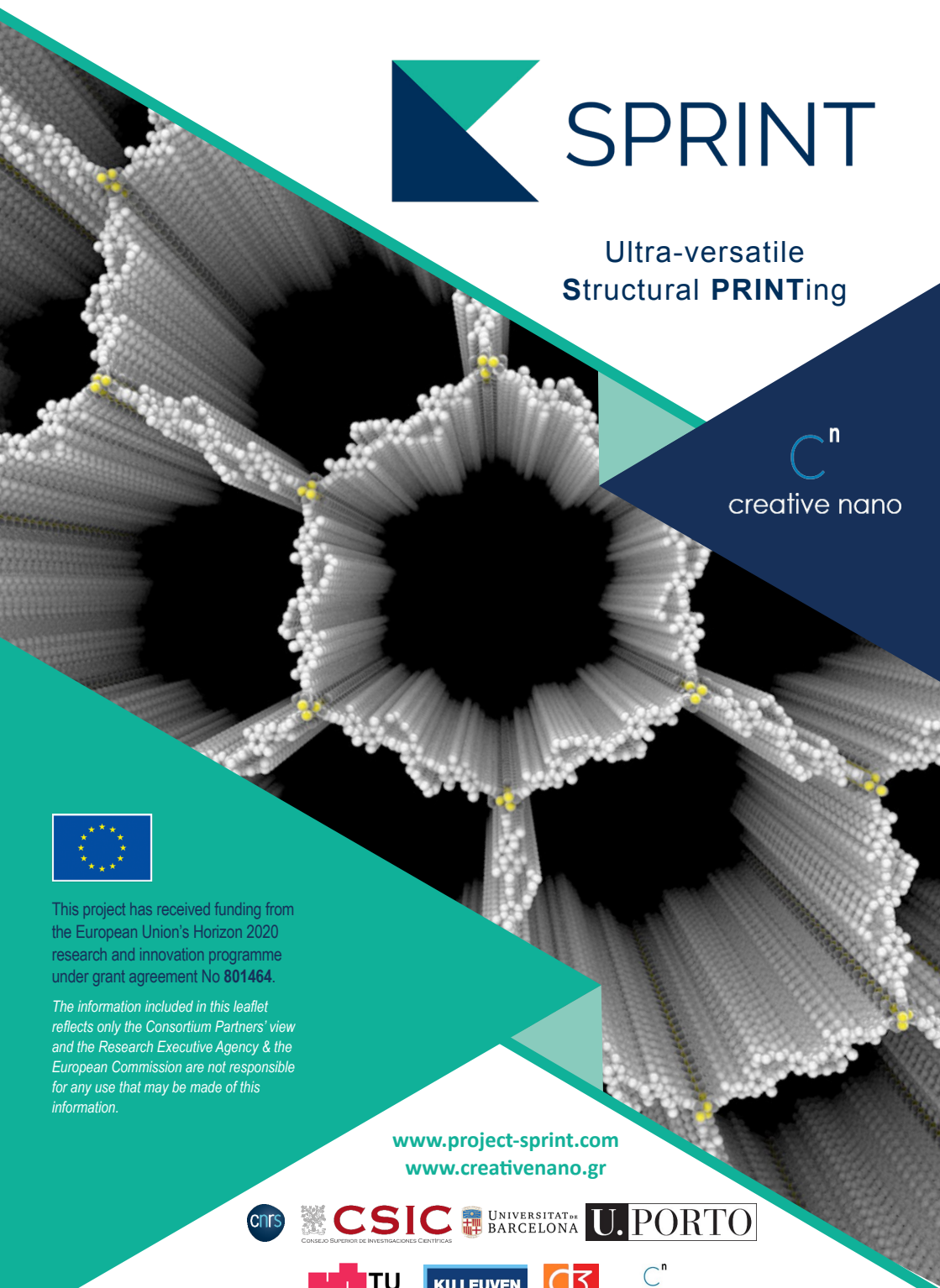
SPRINT

Ultra-versatile **S**tructural **PRINT**ing



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SPRINT

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THE SPRINT PROJECT FOCUSES ON THE DEVELOPMENT OF A NOVEL GAS DEPOSITION TECHNOLOGY OF AMORPHOUS AND TUNED CRYSTALLINE MATTER ON SUBSTRATES, AT ROOM TEMPERATURE AND PRESSURE.

The SPRINT technology is validated in three specific applications

- Silicon based microelectronics used in many electronic devices are a major segment of the 16billion thin film semiconductor market, with a large number of patent applications, dominated by China and South Africa.

- Gallium arsenide photovoltaic cells currently used in space applications due to their cost and complex manufacturing process. Their patent application trend has increased since 2012, due to the need for greenhouse gas emission reduction, with the US being the leader.

- Metal-Organic Frameworks (MOFs) used in fuel cells for gas storage and in drug delivery systems. The patent trend for the MOFs application in fuel cells and drug carriers has increased drastically in the last 5 years, with China dominating the landscape, followed by US, Germany, Canada, India and Australia.

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