**Programme:** Horizon EUROPE

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| MOST-H2  Novel metal-organic framework adsorbents for efficient storage of hydrogen | |
| Le Mans investigator: Karim ADIL | Laboratory: IMMM |
| Duration: May 2022 – April 2026 (48 months) | Grant ID: 101058547 |
| Call: Cluster 4 “Digital, Industry, Space”, call 2021 RESILIENCE | |

**Summary:**

With the major and essential issue of climate and energy transition, the widespread use of hydrogen as an energy vector is a priority for the EU. Its deployment requires removing several technological barriers such as the one associated with the development of sustainable, efficient and secure storage technology. It is in this context that the IMMM obtained the European project MOST-H2. The latter offers a multi-scale approach to develop, validate and deploy an innovative and low-cost cryo-adsorbent H2 storage using a new generation of materials called MOF (Metal Organic Framework).

**Mandatory logos:**

**Internet site:**

**Project Coordinator:** National Centre for Scientific Research “Demokritos”, Greece(the University of Le Mans is a consortium partner)