

# 2DM-Industry Consortium to Boost the industrial landscape in layered materials

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The two-Materials Industry Consortium (2DM-IC) aims to catalyze economic growth and bolster the competitiveness of the European 2DM industry by promoting the broad-based implementation of 2DM technology across various EU industrial sectors. We draw inspiration from the groundbreaking work of the Graphene Flagship project, which brought significant innovation to the research sphere of 2DM, yet left much potential untapped in the industrial application of these materials.

To bridge this gap between research and industry, we propose the establishment of a business-driven association, aiming to cultivate an industrial framework for 2DM in Europe. This consortium will bring together large enterprises, Small and Medium Enterprises (SMEs), start-ups, and investors currently operating within the EU's 2DM sector. Through a collective drive towards an innovation-focused agenda and high Technology Readiness Level (TRL) research and development, we aim to stimulate the much-needed industrial growth in the 2DM sector.

We further advocate for increased public and private investments in the 2DM sector to support this innovative growth. Our ultimate objective is to enable EU companies to expedite their deployment within the EU market, thereby directly stimulating the expansion of the field and contributing to the overall benefit of the EU economy and society. Through these concerted efforts, we intend to enhance the EU's 2DM industry's landscape, fostering an environment of innovation, competitiveness, and economic prosperity.