

## **The Graphene Flagship**

Graphene, discovered and demonstrated as late as 2004 by A. Geim and K. Novoselov, has rapidly gone from fuelling curiosity driven condensed-matter research to being considered as a material for vast diversity of applications. Graphene has the potential to revolutionise knowledge-based industries in which ideas from fundamental sciences and university laboratories rapidly find their way into applied technologies.

The Graphene Flagship is tasked with bringing together academic and industrial researchers to take graphene from the realm of academic laboratories into European society in the space of 10 years, thus generating economic growth, new jobs and new opportunities. With a target budget of €1 billion, the Graphene Flagship represent a new form of joint, coordinated research on an unprecedented scale, forming Europe's biggest ever research initiative. In my presentation I will give a current overview of the on-going work in and challenges met by the Graphene Flagship project.

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