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| Título del Proyecto       | <b>Graphene-based disruptive technologies — GrapheneCore1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Nº de expediente asignado | GA: 696656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Abstract                  | <p>This project is the second in the series of EC-financed parts of the Graphene Flagship. The Graphene Flagship is a 10 year research and innovation endeavour with a total project cost of 1,000,000,000 euros, funded jointly by the European Commission and member states and associated countries. The first part of the Flagship was a 30-month Collaborative Project, Coordination and Support Action (CP-CSA) under the 7th framework program (2013-2016), while this and the following parts are implemented as Core Projects under the Horizon 2020 framework.</p> <p>The mission of the Graphene Flagship is to take graphene and related layered materials from a state of raw potential to a point where they can revolutionise multiple industries. This will bring a new dimension to future technology – a faster, thinner, stronger, flexible, and broadband revolution. Our program will put Europe firmly at the heart of the process, with a manifold return on the EU investment, both</p> |

in terms of technological innovation and economic growth.

To realise this vision, we have brought together a larger European consortium with about 150 partners in 23 countries. The partners represent academia, research institutes and industries, which work closely together in 15 technical work packages and five supporting work packages covering the entire value chain from materials to components and systems. As time progresses, the centre of gravity of the Flagship moves towards applications, which is reflected in the increasing importance of the higher - system - levels of the value chain. In this first core project the main focus is on components and initial system level tasks.

The first core project is divided into 4 divisions, which in turn comprise 3 to 5 work packages on related topics. A fifth, external division acts as a link to the parts of the Flagship that are funded by the member states and associated countries, or by other funding sources. This creates a collaborative framework for the entire Flagship.

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| Entidad Financiadora             | Unión Europea (Comisión Europea)                                                                                                              |
| Convocatoria:                    | H2020-Adhoc-2014-20                                                                                                                           |
| Importe de la ayuda              | 379.790€                                                                                                                                      |
| Fechas de ejecución del proyecto | 01/04/2016-31/03/2018                                                                                                                         |
|                                  | <i>GRAPHENE CORE1 IS SUPPORTED BY EUROPEAN COMMUNITY'S HORIZON 2020 FRAMEWORK PROGRAMME (H2020/2014-2020) UNDER GRANT AGREEMENT N° 696656</i> |
|                                  |                                                            |
| Enlaces:                         | <a href="http://graphene-flagship.eu/">http://graphene-flagship.eu/</a>                                                                       |

