

**FLAG-ERA JTC 2017 Graphene topic:  
Related Divisions and Work Packages per JTC research area**

The present document is provided to facilitate contacts with the Graphene Flagship. The table is indicative and appropriate contacts may depend on each specific proposal.

		Division 1 Enabling Science and Materials			Division 2 Health, Medicine and Sensors			Division 3 Electronics and Photonics Integration				Division 4 Large-Scale Technologies				
		WP1 Enabling Research	WP2 Spintronics	WP3 Enabling Materials	WP4 Health and Environment	WP5 Biomedical Technologies	WP6 Sensors	WP7 Electronic Devices	WP8 Photonics and Optoelectronics	WP9 Flexible Electronics	WP10 Wafer-Scale System Integration	WP11 Energy Generation	WP12 Energy Storage	WP13 Functional Foams and Coatings	WP14 Polymer Composites	WP15 Production
Basic research	1 Synthesis and characterization of LMs beyond graphene	X		X												
	2 Large scale production of heterostructures based on LMs	X		X												
	3 Vertical and lateral epitaxy of GRMs for optoelectronics	X		X					X		X					
	4 Functional ceramics incorporating GRMs												X	X		
	5 Inks for printing stable, GRM-based, semiconducting thin films			X				X		X						
	6 Modelling charge and heat transport in GRM-based composites	X												X	X	
	7 Ecotoxicology of GRMs				X											
	8 Nanofluidics using GRMs	X					X				X			X	X	
	9 Novel device concepts based on GRMs for quantum communication								X							
	10 Beyond CMOS switches and new computing paradigms based on GRMs	X	X					X	X							
Applied research and innovation	1 In-situ and ex-situ quality control of GRMs	X		X												X
	2 Controlling doping in high quality large-area graphene	X		X						X						
	3 GRMs for smart textiles						X	X	X					X	X	
	4 Functional coatings using GRMs								X			X		X	X	
	5 GRMs for corrosion prevention and as lubricants												X	X		
	6 GRMs for thermal management and thermoelectrics	X		X							X			X	X	X
	7 Biorecognition of specific disease markers using GRMs			X	X	X	X	X	X	X						
	8 Highly selective gas sensors based on GRMs						X	X	X							
	9 GRM-based bioelectronic technologies				X	X	X									

**Division and Work Package leaders and deputies and email addresses**

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