

Project title	" META-AGRI "
Theme	Industrial Leadership
Call for proposal	Horizon 2020 - Biotechnology BIOTEC-6-2015 Metagenomics as innovation driver
Project objectives	<p>The main objective is to develop effective, standards-based methodologies and bioinformatic technologies to effectively increase the level of metagenomics-based innovations. For it, the following specific objectives are planned:</p> <ol style="list-style-type: none"> 1. To obtain a bioinformatics tool enabling efficient metagenomic analysis and (gene) prediction in the domain of commercially useful agricultural plants, including prunus rootstock, horticultural plants and olive trees. 2. To obtain a bioinformatics tool enabling efficient sequence binning in order to link function to composition in metagenomes for the domain under question. 3. To obtain a bioinformatics tool enabling efficient data and metadata automatic integration in the domain. 4. To obtain a bioinformatics tool enabling efficient comparative analyses between metagenomes in the domain. 5. To carry out an extensive testing process of the software tools in the domain
Information about lead partner	The Knowledge technologies research group at the University of Murcia, thanks to the financial support of several research projects at all international and national levels, has done extensive research and development of semantic and intelligent technologies and systems for analyzing (classifying) and accessing to standard "omics" data bases by attending to the semantics associated to the data. These achievements have been applied to several application domains
Searched partners	EU Higher Education organizations, Research Institutes, SMEs with experience in research or development in some, or a combination, of the following fields: metagenomics for plants biotechnology, bioinformatics, data mining, statistics, computational models, "omics" data analytics, biotechnologies.
Financial aspects	Total call budget: €28,840,000
Deadline	26 March 2015 (stage 1)
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