



D5.3 Document summarising the list of problems, research needs, as well as an operational Solution driven paper that can be easily translated into topics in the FP7 Work Programme.



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D5.3: Document summarising the list of problems, research needs, as well as an operational solution-driven paper that can be easily translated into topics in the FP7 Work Programme

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RE	Restricted to a group specified by the consortium (including the Commission Services)		
CO	Confidential, only for members of the consortium (including the Commission Services)		X

#### Approvals

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#### Document history

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## 1. Summary

Partners propose to participate actively in the definition of the work programme of the FP7-FAB. Partners will collect the ideas of topics, subjects of common interests and mutual benefits both for Mediterranean and European countries by sending questionnaires. Then, they will write Expressions of Interests in order to participate to the definition of the work programme (and the definition of the key-actions) and to position the interests of organisations from Mediterranean countries including SME's. Several contacts will be taken either with the European Commission and/or the National Contact Points in order to transfer the results of the enquiry to the EC, hoping that these data will be integrated in future EC calls for proposals.

## 2. Description

The table below presents the topics identified as priority by the partnership. The table presents the topic, its targeted geographical zone and field.

It is also worth noting that the whole partnership agrees that the project has been fruitful in creating collaboration, knowledge and awareness on possibilities offered by FP7 to FAFB researchers. Nevertheless, the partnership would like to have some new opportunities to collaborate in future projects funded by the EC if possible, in order to address the following issues:

- Encouraging technology transfer and relations between RTD organisations and SME's;
- Continuing the training to Mediterranean countries on building proposals, especially by targeting countries that have not been addressed, as Gaza for example.
- Building national organisations and network for supporting innovation.

The complete discussions at this respect are communicated in the Minutes of the Amman Meeting held at Month 36 (October 2009).

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	<b>Field</b>	<b>Country (ies) concerned</b>
Water Management / sustainable use of water / produce well with little water / recycling of water	Agriculture	Maghreb & Middle East
Plants resistance to drought	Agriculture	Maghreb & Middle East
Marine pollution	Fisheries	Maghreb & Middle East
Desertification in Maghreb	Agriculture	Maghreb
Floors degradation, ecosystems preservation	Agriculture	Maghreb & Middle East
nutrition & cancer = role of xenobiotics in colorectal cancers development (all kind of cancer)	Food	Algeria
erosion in biodiversity / desertification / disappearance of trees, plants & animals like cedar, alfa, oak etc...	Agriculture	Algeria
aquaculture & fisheries, fish condition, diet & fish nutrition	Fisheries	Maghreb & Middle East
Struggle against hunger / elimination of cadmium in phosphates (fertilizers)	Fisheries	Maghreb & Middle East
Metabolic diseases (diabetes, insulin resistance)	Biotechnologies	Algeria
Biodiversity of animal genetic resources	Biotechnologies	Maghreb & Middle East
New species for aquaculture	Fisheries	Tunisia
Legionella	Food	Tunisia
Environmental technologies	Agriculture	Tunisia
New methods of disinfection of dates	Agriculture	Tunisia
Valorisation of Caroubier tree	Agriculture	Tunisia
Conservation of olive oil	Food	Tunisia
Extraction of biologically active molecules from macroalgae	Biotechnologies	Tunisia
Shelf-life determination and extension for various Middle eastern foods (Nutrition labelling, sensory evaluation, shelf life evaluation & extension)	Food	Middle East
Endemic medicinal plants: identification, extraction methods, essential oils analysis, culture characterization, conservation	Agriculture	Middle East
Specificity of olive oil productions: guaranteed designation of origin (variety, biotope, extraction, methods, analysis, development of new analytical methods)	Food	Middle East
Microbial biodiversity of traditionnal fermented products	Food	Lebanon
Traditionnal foods: assessment and process improvement	Food	Middle East

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Pesticides: survey of pesticide residues in fruits & vegetables of local production and in the processed products	Agriculture	Middle East
Mycotoxins: survey of mycotoxins in fruits and vegetables of local production and in their processed products	Agriculture	Middle East
Prevalence, risk assessment, sources, prevention/control measures of <i>Listeria monocytogenes</i> in Deli meats and dairy products	Food	Maghreb & Middle East
Pesticide residues and compliance to standards in feed and food products	Food	Maghreb & Middle East
Antibiotics residues in meat and meat products	Food	Maghreb & Middle East
Mycotoxins in food products	Food	Maghreb & Middle East
Design and produce long shelf life traditional cream "Ashta" from cow milk	Food	Lebanon
Developing new early, high yielding Faba Bean, Oil Crops, Forage crops, and wheat lines tolerant to biotic and abiotic stresses	Agriculture	Egypt
Developing new Irrigation, intensification, remote sensing and cultivation methods for crops production	Agriculture	Egypt
Utilization and Manufacturing of New environmental fertilizer, pesticide sources.	Agriculture	Egypt
Research on nutritional biochemistry for the use of alternative sources for wheat flour such as Potato, barley, and rice.	Agriculture	Egypt
Research on the utilization of plant residues for animal feeding.	Agriculture	Egypt
Technology Transfer and dissemination of information to farmers.	Agriculture	Egypt
Development of a GENOME SEQUENCING CENTER OF EXCELLENCE	Agriculture	Egypt
Initiation of series of center of excellence such as Plant Molecular Breeding, Genomics, Agricultural waste management, Industrial biotechnology, Biorefinery centers	Agriculture	Egypt
Post Harvest Losses	Agriculture	Egypt
Global warming effects on Agriculture sector	Agriculture	Egypt
Recycled water use and desalination	Agriculture	Egypt
Genetic improvement for ruminants for milk production	Agriculture	Egypt
Vaccine industry for poultry	Agriculture	Egypt
Utilization of Aromatic and medical plants	Agriculture	Egypt
Utilization of aquaculture in the red sea.	Agriculture	Egypt
Initiating of Agri- Science Park	Agriculture	Egypt
Genetic Utilization of Tilapia Fish	Food	Egypt
New Technologies for food safety detection methods	Biotechnologies	Egypt
SME for small holders in Upper Egypt, New Vally and Sinai	Food	Egypt
Genetic improvement for under-utilized crops.	Agriculture	Egypt

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