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## Partner Search Form

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<b>INFORMATION ABOUT THE PLANNED PROJECT: Bioclimatology studies Improve Fruit Production and National Economy</b>			
<b>Erasmus+ International co-operation Activity</b> (higher education sector) – <b>type of the project idea</b>		<b>Please, tick the appropriate one/ones:</b> <input type="checkbox"/> Erasmus+ KA1: International students and staff credit mobility <input type="checkbox"/> Erasmus+ KA1: Erasmus Mundus Joint Master Degrees <input checked="" type="checkbox"/> Erasmus+ KA2: Capacity Building Higher Education in Partner Countries <input type="checkbox"/> Erasmus+ Jean Monnet programme	
<b>Discipline / Academic field</b>		<b>Agriculture/ bioclimatology and climatology</b>	
<b>Institution's preferable role in the project?</b> (applicant/partner)		<input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Partner	
<b>Which countries are about to be involved?</b>		<b>Erasmus+ Programme Countries</b>	<b>Spain, England, France</b>
		<b>Erasmus+</b>	<b>Jordan, Lebanon, Egypt</b>



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	<b>Partner Countries</b>	
<b>Working language of the project consortium = language of the project application</b>	<b>English</b>	
<b>Duration of the project</b>	<b>2-3 years</b>	

**Partner Search Form****PROJECT DESCRIPTION:****Objectives**

1- Study the effect of bioclimatology and climatology applied on Peach (*Prunus persica* L.) to establish the variables that had the greatest influence on plant yield in the region of Hebron in Palestine.

2- Analyses of the physical Factor of the Palestinian bioclimate.

3- Contribute to the development of agricultural policy strategy and increase the national economy in Palestine.

**Activities**

1- We take the data were used from the meteorological station in Hebron for the years 1993 to 2012, and for the same years for production of plant from the Palestinian Central Bureau of Statistics (PCBS).

2- Statistical data included a bioclimatic analysis of Palestinian meteorological stations for the period 1993 to 2012 by using bioclimatic classification of the Earth of Salvador Rivas Martinez.

3- Also in statistical analysis done using the XLSTAT software with (independent variables as climate and bioclimate factors and dependent variables as plant production).

4- We studied the effect of bioclimatology and climatology applied on Peach (*Prunus persica* L.).

**Results**

Both climatic and bioclimatic factors play a very important role in plant biology, in the production, sustainability of crop yield and lead to an increase in economy in Palestine. The annual precipitation rates are deemed likely to fall in Palestine decreasing with an increased risk of summer drought.

When we applied a canonical correspondence analysis (CCA) Hebron were influenced by the annual ombrothermic index, simple continentality index and compensated thermicity index; and climate factors as precipitation, water deficit and temperature.

We indicated that in the upper inframediterranean to mesomediterranean environments, the optimum for the production of peach is achieved with value of annual ombrothermic index < 3.5, simple continentality index value between 15-22 and compensated thermicity index value between 280-400.

**We are searching for:**



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<b>Types of institutions</b>	<b>Universities from program countries with faculties of Agriculture and universities from, Egypt, Lebanon and Jordan</b>
<b>Country/Region</b>	<b>(Spain, England, France), Egypt, Lebanon and Jordan</b>
<b>Institutions' profiles</b>	<b>Having strong programs in Agriculture</b>
<b>Other relevant information</b>	Bioclimatology is part of their research activities and experience