



Coordination of the Agricultural Research In the Mediterranean Area

D1.3 COUNTRY REPORT

Overview on the research system and research programmes
on Mediterranean agriculture

GREECE

NAGREF

Country Focal Point: Jannis Rumbos

2010



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BACKGROUND.

We used the following ways **for the dissemination of the questionnaires**:

- a) On 6th August 2009, the President of NAGREF Prof. Spyros Kyriakis sent by e-mail together with the questionnaire an official letter to all Research Centres, Universities and other concerning schemes. In order to be sure that the questionnaire will reach all related research centres, a long mailing catalogue. Was prepared.
- b) Dr I. Rumbos – responsible for the Management Committee- visited the main agricultural research centers and universities and in discussion with the directors underlined the importance of ARIMNet.
- c) Ioanna Spyropoulou -Country Fokal Point (CFP)- and Dr I. Rumbos (MC), continued to insist and to press the directors of the research centres -till the last day of 15th October-, by phone or by visiting them , to send back the questionnaires with the informations.

We realised that only few researchers carried out projects which were financed by national recourses.

Finally, only eight (8) questionnaires were received. The four (4) of them are from NAGREF (Forest Research Institute of Thessaloniki, Fisheries Research Institute of Kavalla, Plant Protection Institute of Volos and Veterinary Research Institute of Thessaloniki) and the other four (4) from the University of Thessaly (Fisheries), the Centre of Research and Technology of Thessaly, the Centre of Research and Technology Hellas (Thessaloniki) and the Benaki Phytopathological Institute (Athens).

13 projects were recorded only from four (4) Institutions of NAGREF. The other four (4) filled out only the part C (R&D actors) of the questionnaire:

- NAGREF-Forest Research Institute: 5 projects
- NAGREF-Fisheries Research Institute: 4 projects
- NAGREF-Plant Protection Institute of Volos: 3 projects
- NAGREF-Veterinary Research Institute: 1 project
- University of Thessaly-Ichthyology and aquatic environment: (R&D actor)
- Centre of Research and Technology of Thessaly: (R&D actor)
- Centre for Research and Technology Hellas: (R&D actor)
- Benaki Phytopathological Institute: (R&D actor)



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In conclusion, there is not an official strategic national plan for financing the agricultural research in Greece. There is not an annual budget determined from the State and distributed to the different Research Centres for carrying out agricultural research projects. Only occasionally, when a serious problem in agriculture has to be investigated, the State may finance a project. In Nagref, in its 20-years history, only once happened to be carried out an official, competitive project with definite budget and definite goals (the programme called DIMITRA). The Benaki Phytopathological Institute has its own budget for agricultural research projects.

GENERAL ORGANIZATION OF THE GREEK AGRICULTURAL RESEARCH SYSTEM.

The Agricultural Research in Greece is carried out mainly by three Ministries:

- a. The Ministry of Rural Development and Food
 - b. The Ministry of Education and Religious Affairs
 - c. The Ministry of Development
-
- a. The Ministry of Rural Development and Food has the responsibility for agricultural policy in Greece. The research is being carried out by the National Agricultural Research Foundation (NAGREF) and the Benaki Phytopathological Institute (BPI) as well as in collaboration with Universities. The research carried out in NAGREF is related to crop production, crop protection, animal production, fisheries, forestry, food technology, etc.
 - b. The Ministry of Education and Religious Affairs is supervising the various agricultural oriented schools and departments. These institutions are conducting either independent or in collaboration, basic and applied research on national or international level.
 - c. In the Ministry of Development belongs the General Secretariat for Research and Technology (G.S.R.T.), which supervises the research in 16 research and technological bodies. The GSRT coordinates research projects funded by European Union. The main institutions of G.S.R.T. where agricultural research is carried out are the Centre of Research and Technology Hellas, Institute of Agrobiotechnology (CERETETH), the Hellenic Center of Marine Research, Institute of Aquaculture and the Foundation for Research and Technology Hellas (www.forth.gr), Institute of Molecular Biology and Biotechnology.



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Other Institutions involved in agricultural research in Greece are the Mediterranean Agronomic Institute of Chania, the Greek Biotope/Wetland Centre (The Goulandris Natural History Museum) and the Food Industrial Research and Technological Development Company (ETAT S.A.).

The State Scholarships Foundation (IKY) is the main body providing grants for postgraduate and postdoctoral research studies. For foreigners the announcement of the scholarships is open at the period January-February every year (www.iky.gr). For Greek citizens, there are some other organizations giving grants too (Onasis, Latsis, Bodosakis and others).

MAPPING OF RESEARCH PROGRAMMES.

a) Description of thematic area

- *Natural resources and environment* :
 - Project 1: Monitoring of forest fires
 - Project 2: Land-use change and Forestry-Climate change
 - Project 3: Impact of hunting of waterfowl
 - Project 4: Management of recovered wood

- *Plant production and protection*
 - Project 1: Biological control of chestnut blight
 - Project 2: Apple proliferation
 - Project 3: Production of healthy grapevine propagative material

- *Food science*
 - Project 1: Survival of *Escherichia coli* in feta-cheese

- *Aquatic sciences and fisheries*
 - Project 1. Investigation of behaviour of purse seine netting in different conditions of fishery
 - Project 2. Management and control of terms of access of trawlers in nursery of the species *Merluccius merluccius* in Thracian Sea



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Project 3. Investigation of the possibility to use more selective gears targeting in the same fish catch. Introduction of monofilament twines in the construction of fishing gears used by the small-scale fishery.

Project 4. Management and control of terms of access of fishing boats in Thermaikos Gulf. Definition of management measures in the area

b) Owners of research programmes:

- *Natural resources and environment :*
 - Project 1: *Monitoring of forest fires* : **Owner:** Regional (Prefecture)
 - Project 2: *Land-use change and Forestry-Climate change*: **Owner:** Regional (Prefecture)
 - Project 3: *Impact of hunting of waterfowl*: **Owner:** National
 - Project 4: *Management of recovered wood*: **Owner:** Regional (Prefecture)

- *Plant production and protection*
 - Project 1: *Biological control of chestnut blight*: **Owner:** National- Ministry of Rural Development and Food
 - Project 2: *Apple proliferation*: **Owner:** National- Ministry of Rural Development and Food
 - Project 3: *Production of healthy grapevine propagative material*: **Owner:** Regional (Prefecture)

- *Food science*
 - Project 1: *Survival of Escherichia coli in feta-cheese*: **Owner:** National

- *Aquatic sciences and fisheries*
 - Project 1. *Investigation of behaviour of purse seine netting in different conditions of fishery*. **Owner:** Regional (Prefecture)
 - Project 2. *Management and control of terms of access of trawlers in nursery of the species Merluccius merluccius in Thracian Sea*. **Owner:** Regional (Prefecture)
 - Project 3. *Investigation of the possibility to use more selective gears targeting in the same fish catch. Introduction of monofilament twines in the construction of*



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fishing gears used by the small-scale fishery. **Owner:** Regional (Prefecture)

Project 4. Management and control of terms of access of fishing boats in Theramikos Gulf. Definition of management measures in the area. **Owner:** Regional (Prefecture)

c) Funding management:

- *Natural resources and environment :*

Project 1: Monitoring of forest fires- **Funding management:** Full cost, contract, direct assignment.

Project 2: *Land-use change and Forestry-Climate change.* **Funding management:** Full cost, contract, direct assignment.

Project 3: *Impact of hunting of waterfowl:* **Funding management:** Full cost, contract, direct assignment.

Project 4: *Management of recovered wood:* **Funding management:** Full cost, contract, direct assignment.

- *Plant production and protection*

Project 1: *Biological control of chestnut blight:* **Funding management:** Full cost, contract, direct assignment.

Project 2: *Apple proliferation:* **Funding management:** Full cost, contract, direct assignment.

Project 3: *Production of healthy grapevine propagative material:* **Funding management:** Full cost, contract, direct assignment.

- *Food science*



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Project 1: *Survival of Escherichia coli in feta-cheese*: **Funding management:** Full cost, contract, direct assignment.

- *Aquatic sciences and fisheries*

Project 1. *Investigation of behaviour of purse seine netting in different conditions of fishery*. : **Funding management:** Full cost, contract, direct assignment.

Project 2. *Management and control of terms of access of trawlers in nursery of the species Merluccius merluccius in Thracian Sea*. : **Funding management:** Full cost, contract, direct assignment.

Project 3. *Investigation of the possibility to use more selective gears targeting in the same fish catch. Introduction of monofilament twines in the construction of fishing gears used by the small-scale fishery*. : **Funding management:** Full cost, contract, direct assignment.

Project 4. *Management and control of terms of access of fishing boats in Thermaikos Gulf. Definition of management measures in the area*. : **Funding management:** Full cost, contract, direct assignment.

d) Implementation procedures

- *Natural resources and environment* :

Project 1: *Monitoring of forest fires*:

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria.

Project 2: *Land-use change and Forestry-Climate by national change*:



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Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 3: Impact of hunting of waterfowl:

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 4: Management of recovered wood:

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

- Plant production and protection

Project 1: Biological control of chestnut blight:

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 2: Apple proliferation:

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was



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monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 3: *Production of healthy grapevine propagative material:*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

- *Food science*

Project 1: *Survival of Escherichia coli in feta-cheese :*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

- *Aquatic sciences and fisheries*

Project 1. *Investigation of behaviour of purse seine netting in different conditions of fishery:*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 2. *Management and control of terms of access of trawlers in nursery of the species Merluccius merluccius in Thracian Sea :*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria



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Project 3. *Investigation of the possibility to use more selective gears targeting in the same fish catch. Introduction of monofilament twines in the construction of fishing gears used by the small-scale fishery:*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

Project 4. *Management and control of terms of access of fishing boats in Theramikos Gulf. Definition of management measures in the area:*

Topic selected by the programme owner, by a fixed call, according to provided guidelines in 1-step. Evaluated by internal national evaluators with scientific experience on the sector according to provided guidelines. The project was monitoring and evaluated by internal specialists of the funding body at the end of each year and at the end of the project according to certain criteria

MAPPING OF RESEARCH INSTITUTIONS.

Name of Research Institution: Nr. 1	Acronym: ΕΘΙΑΓΕ-ΙΔΕ (NAGREF-FRI) Full name: Ινστιτούτο Δασικών Ερευνών, Εθιαγε Translation in English: :Forest Research Institute, NAGREF Full Address: VASSILIKA, 57006 THESSALONIKI, Greece http:// www.fri.gr Role: Research related to forestry
Name of Research Institution Nr. 2	Acronym: ΕΘΙΑΓΕ-ΙΝΑΛΕ (NAGREF-FRI) Full name: Ινστιτούτο Αλιευτικής Έρευνας,



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	<p>Translation in English: Fisheries Research Institute, NAGREF-FRI Full Address: Nea Peramos 64007, Kavala, Greece http://www.inale.gr</p> <p>Role: Research related to fisheries</p>
<p>Name of Research Institution: Nr. 3</p>	<p>Acronym: ΕΘΙΑΓΕ-ΙΠΦΒ (NAGREF-PPIV) Full name: Ινστιτούτο Προστασίας Φυτών Βολου-Εθιαγε Translation in English: Plant Protection Institute Of Volos, NAGREF Full Address: Phytokou Str., P.O.B 1303, 38001 VOLOS, Greece http://www.nagref.gr</p> <p>Role: Research related to crop protection</p>
<p>Name of Research Institution: Nr. 4</p>	<p>Acronym: ΕΘΙΑΓΕ-ΙΚΕΘ (NAGREF-VRI) Full name: Ινστιτούτο Κτηνιατρικών Ερευνών Θεσσα-Λονικης Translation in English: Veterinary Research Institute ,NAGREF Full Address: NAGREF CAMPUS 57001, THESSALONIKI, Greece, P.O.B. 60272 http://www.vri.gr</p> <p>Role: Research related to animal production</p>
<p>Name of Research Institution: Nr. 5</p>	<p>Acronym: Full name: Πανεπιστήμιο Θεσσαλίας, Τμήμα Ιχθυολογίας Και Αλιείας Translation in English: University of Thessaly, Department of Agriculture Ichthyology and Aquatic Environment Full Address: Phytokou Str.. 38446 VOLOS, Greece http://www.apae.uth.gr</p> <p>Role: Research related to fisheries</p>
<p>Name of Research Institution: Nr. 6</p>	<p>Acronym:ΚΕΤΕΑΘ Full name:Κέντρο Έρευνας Τεχνολογίας και Ανάπτυξης Θεσσαλίας Translation in English: Centre for Research and Technology-Thessaly (CERETETH) Full Address: 1st Industrial Area of Volos, 38500 VOLOS, Greece</p>



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	<p>http://www.cereteth.gr</p> <p>Role: Research related to crop production, crop protection.</p>
<p>Name of Research Institution: Nr. 7</p>	<p>Acronym: EKETA/INA</p> <p>Full name: Εθνικό Κέντρο Έρευνας και Τεχνολογικής Ανάπτυξης / Ινστιτούτο Αγροβιοτεχνολογίας</p> <p>Translation in English: Center for Research and Technology-Hellas / Institute of Agrobiotechnology (CERTH/INA)</p> <p>Full Address: 6th km Charilaou – Thermi Rd. 57001 THESSALONIKI, Greece</p> <p>http://www.certh.gr & www.ina.certh.gr</p> <p>Role: Research related to crop production, crop protection.</p>
<p>Name of Research Institution: Nr. 8</p>	<p>Acronym: Μ.Φ.Ι. (B.P.I.)</p> <p>Full name: Μπενάκειο Φυτοπαθολογικό Ινστιτούτο</p> <p>Translation in English: Benaki Phytopathological Institute</p> <p>Full Address: 8, S.Delta , 14561 Kifissia, Attica, Greece</p> <p>www.bpi@gr</p> <p>Role: Research related to crop protection</p>
<p>Name of Research Institution: Nr. 9</p>	<p>Acronym:</p> <p>Full name: Ινστιτούτο Χαρτογραφησης και Ταξινόμησης Εδαφών</p> <p>Translation in English: Institute of Soil Mapping and Classification, NAGREF</p> <p>Full Address: 1 Theophrastos Street, 413 35 LARISSA, Greece</p> <p>http://www.nagref.gr</p> <p>Role: Research related to soil management</p>

MAPPING OF RESEARCH FACILITIES.

Research facilities in the different thematic areas are available only by conducting the director of the related Institute.

MAPPING OF TRAINING SCHEMES.



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Training schemes (master and PhD courses) at the different thematic areas are possible by conducting the director of the related Institute. All Institutions are willing to share information of section C. Fellowships for foreigners are granted by the State Scholarships Foundation (IKY) and are open at the period January-February every year (www.iky.gr).



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