



NATO SCIENCE FOR PEACE AND SECURITY PROGRAMME

COLLABORATIVE LINKAGE GRANT

NATO Public Diplomacy Division, Bd. Leopold III, B-1110 Brussels, Belgium
 fax +32 2 707 4232 : e-mail science@hq.nato.int

1. ENTER PRIORITY RESEARCH TOPIC (please select from the list of topics supported at http://www.nato.int/science/nato_funded_activities/topics_supported.htm)

List of priority research topics targeted by this project proposal:

Food Security; Eco-terrorism countermeasures;

2. PROJECT TITLE (maximum ten words – please select a title that is comprehensible to the non-specialist):

Building of capacity for control of pathogenic outbreaks in Western Balkans

3. PRINCIPAL INVESTIGATORS * (*curriculum vitae to be provided for each one - see attached form*)

(i) **Project Coordinator from a NATO country:**

Surname/First Names(s)/Title: DENEV / ILIYA DIMITROV, Doctor, Associated-professor

Institute and Address:

Laboratory for molecular markers&breeding
 Department of Plant Physiology and Molecular Biology
 University of Plovdiv
 24 Tsar Assen St.
 4000 Plovdiv, BULGARIA

Telephone/Fax/E-mail: +359 887 453 255 / +359 32 635 049/ iliden@uni-plovdiv.bg / iliva.denev@gmail.com

Date of Birth: 04/10/1965
(day/month/year)

Signature:

(ii) **Project Coordinator from a Partner country:**

Surname/First Name(s)/Title: MIHAJLOV LJUPCO / Doctor, Associated-professor

Institute and Address:

Goce Delcev University – Stip
 Faculty of Agriculture
 Krste Misirkov b.b., P.O. 201
 2000 Stip, the Former Yugoslavia Republic of Macedonia

Telephone/Fax/E-mail: +389 32 550 602 / ljupco.mihajlov@ugd.edu.mk

Date of Birth: 19/07/1964
(day/month/year)

Signature:

We should be much obliged if in using the Latin alphabet applicants would please use the same spelling throughout the application

(iii) **Other Principal Investigators if any** (*list group leaders of any other collaborating teams*)

Surname	First Name(s) Title	Institute and Address	Telephone/Fax/E-mail	Date of Birth
1. Dr. Antonio J. Pujadas Salvà,	Professor	Departamento de Ciencias y Recursos Agrícolas y Forestales Edificio Celestino Mutis-[C-4], Campus de Rabanales, Carretera de Madrid Km 396 Universidad de Córdoba 14071 Córdoba, Spain	Phone +34 957212182 cr1pusaa@uco.es	17-02-1950
2. Dr. HADŽIĆ AZRA,	Food security Executive officer	Federal Agricultural Institute-Sarajevo ul. Butmirska cesta 40.71210 Ilidža, Sarajevo; Bosnia and Herzegovina	Phone+387 774 240; Fax +387 637 601 azrah2004@yahoo.com	26/11/1948
3. Dr. VARAKU SKENDER,	Professor	Agricultural University of Tirana, L. 14, Rr. Tirana, Shkozet-Durres, Albania	Phone/Fax+355 52 264527 skendervaraku@gmail.com	04/05/1956

4. PROJECT KEYWORDS (maximum 15)

Broomrapes, eco-terrorism, food security, ISSR, molecular markers, molecular taxonomy, parasitic weeds, RAPD, risk assessment.

PLEASE NOTE: the budget was adjusted to meet “Conditions of the award” and the amount of funds granted

**SUPPORT ACQUIRED: (a) and (b) – for visits abroad (add separate page if necessary) EUR
23 340.00**

<i>Enter Names, Destinations and Duration of Visits of all Investigators</i>	(a) Travel	(b) Living
1. Dr. Ljupco Mihajlov, Bulgaria, Plovdiv, two visits, 7 days long each	100.00	1050.00
2. Dr. Azra Hadžić, Bulgaria, Plovdiv, two visits, 7 days long each	400.00	1050.00
3. Dr. Skender Varaku, Bulgaria, Plovdiv, two visits, 7 days long each	400.00	1050.00
4. Dr. Antonio J. Pujadas Salvà, Bulgaria&FYROM, two visits, 7 days each	850.00	1050.00
5. Dr. Begoña Perez-Vich, Bulgaria&FYROM, two visits, 7 days each	850.00	1050.00
6. Dr. Iliya Denev, FYROM two visits, 7 days long each	100.00	1050.00
7. Dr. Iliya Denev, FYROM, Bosnia & Herzegovina and Albania two terrain expeditions with total duration of three weeks each.	950.00	2100.00
8. Ms. Emilia Hristova, FYROM two visits, 7 days long each	100.00	210.00
9. Ms. Emilia Hristova, Spain one visit of three weeks	400.00	2100.00
10. Dr. Atanas Irikov, FYROM, Bosnia & Herzegovina and Albania one terrain expedition with total duration of three weeks each.	350.00	1100.00
11. Dr. Kiril Stoyanov, FYROM, Bosnia & Herzegovina and Albania two terrain expeditions with total duration of three weeks each.	950.00	2100.00
12. Dr. Ilija Karov, Bulgaria, Plovdiv, one visit, 7 days long	50.00	525.00
	400.00	700.00
13. Dr. Ljupco Mihajlov, Spain, one visit of 7 days	400.00	700.00
14. Dr. Iliya Denev, Spain one visit of 7 days	50.00	1155.00
15. Ms. Emilija Kostadinovska, Bulgaria, Plovdiv, one visit of three weeks		
Sub-Totals	(a) 6 350.00	(b) 16 990.00
		(c) 660.00

(c) Other Expenditure - Partner countries only (See para. 18 of Notes for Applicants. Specify type and cost of any small scientific equipment, and justify its necessity to the project. Funding for computers and peripherals is not available.)

One of the main objects of the project is to create (and maintain constantly updated) a detailed web-based map with GPS coordinates of the distribution of broomrape species in Western Balkans accompanied by assessment of the risks for agro-ecosystems. For this purpose we would like to buy two GPS apparatus model "Garmin Oregon 400T" to provide each team from the partner countries with suitable equipment for the project related field research.

24 000.00

Total (a) (b) (c)

Please note that names, affiliations and e-mail addresses may be published by NATO in the context of providing information on the Science Programme. Inclusion of these details here implies authorization for their use for this purpose.

Estimated cost for the first year (other than those covered by NATO grant) up to 4 000.00 Euro. The grant holder – Dr. Iliya Denev, Bulgaria will contribute with up to 4 000.00 Euro from his grant DTK 02/40 (project leader Dr. Iliya Denev) for molecular biology consumables and small lab equipment.

Estimated cost for the second year (other than those covered by NATO grant) up to 4 000.00 Euro. The grant holder – Dr. Iliya Denev, Bulgaria will contribute with up to 4 000.00 Euro from his grant DTK 02/40 (project leader Dr. Iliya Denev) for molecular taxonomy consumables and sequencing.

Copies of the invoices will be provided with reports to confirm co-financing.