

BUSINESS PLAN

**NCSR «Demokritos»
Institute of Informatics & Telecommunications
Net Media Lab
Scientific Coordinator Dr. A.S. DRIGAS**

Summary

1. Identity of Net Media Lab.

α. Background and current situation

Net Media Lab is operating since 1990 in parallel with the Computer Center, participating & supporting Design, Development Installation & Running of the Academic Network of Greece Ariadne

β. Facilities and management

Net Media Lab has installed, Telephone Center Facilities, Internet Facilities, Video Conference Facilities, e-learning and other e-services & Facilities.

γ. Research Orientation

Network and Multimedia Applications, Lower Layer Technologies & Upper Layer services.

I. Brief Presentation of Net Media Lab

1. Objectives (research directions)

Net Media Lab is oriented in the following Research and Development directions.

- a. Physical Layer of Telecommunication Networks (PSTN, PSDN, Packet Switched, Circuit Switched, Terrestrial & satellite)
- b. E-services (e-learning, e-government, e-health, e-psychology, e-commerce, e-procurement, e-testing, e-culture etc).
- c. Artificial Intelligence & Neural Networks (Decision support systems, e-testing, Text-Data mining).
- d. Cryptography (Quantum & chaotic systems)
- e. DVBS & T applications for specific services support.
- f. Multimedia (Portals, CD-Roms & Interactive Applications)
- g. Special Services for disabled people

2. Activities of research teams

Activities of R&D teams of Net Media Lab are limited within the previously presented R&D directions (II).

3. Infrastructure

The Infrastructure of Net Media Lab is appropriate for supporting the R&D directions. Analytically is presented in the Main facilities and Equipment.

4. Services provided

Services provided are included with it the R&D directions of Net Media Lab, and are Research & study, design, Development, Installation & Operation of Technological services & infrastructures.

II. Strategy for the development of the Institute and criteria of research actions / directions

1. Concise presentation of actions / directions

1.1 Objectives

- a. Physical Layer of Telecommunication
- b. E-services
- c. Artificial Intelligence & Neural Networks
- d. Cryptography
- e. DVBS & T applications for specific services support.
- f. Multimedia
- g. Special Services for disabled people

1.2 Necessity

ADT & Net media Lab cover its R&D Necessities being financed by National & International Projects as well as by service provision.

1.3 Present situation internationally

In the R&D direction of ADT & Net Media Lab and especially in the new R&D Projects we try to reach the international standards & the “state of the art” in each field.

1.4 Advantages over other similar Institutes

Advantages are many and are proven by state of the art projects, patents and services (real time e-culture applications, Internet combined with DVBS, neural networks for e-testing, Advanced ICT services for end Users, Advanced ICT services for Disabled People, Cryptography in Quantum & chaotic systems)

1.5 Socio-economic effects

Collaboration with many Organizations, Institutes, and Universities Nationality and Internationally. Transfer of knowledge to non R&D Organisations. Developments and support for Public Administration & Governmental Organizations. Services for disabled people & other communities with disadvantages. Products for exploitation in market via spin-off, venture capital et.

1.6 Diffusion of results

- a. Collaboration with many organizations nationally & internationally
- b. Article Publications (Books, Conferences & Journals)
- c. Organization of Conferences
 - c1. Participation in Organisation of International Conferences (Networking, EMFs, WSEAS Multiconferences)
 - c2. Organization of National Conferences
- d. Articles to news papers
- e. Educational TV programmes
- f. Net Media Lab’s Portal

1.7 Achievement of objectives

- ◆ Many Projects in competitive frameworks (Nationally & Internationally)
- ◆ Project assignment by public organizations
- ◆ Financing & Sponsorship for the Organization of Conferences
- ◆ Product for spin offs

II. Detailed Presentation of Institute per Research Team

1. Objectives (research directions)

Net Media Lab is oriented in the following Research and Development directions.

- h. Physical Layer of Telecommunication Networks (PSTN, PSDN, Packet Switched, Circuit Switched, Terrestrial & satellite)
- i. E-services (e-learning, e-government, e-health-e-psychology, e-commerce, e-procurement, e-testing, e-culture etc).
- j. Artificial Intelligence & Neural Networks (Decision support systems, e-testing, Text-Data mining).
- k. Cryptography (Quantum & chaotic systems)
- l. DVBS & T applications for specific services support.
- m. Multimedia (Portals, CD-Roms & Interactive Applications)
- n. Special Services for disabled people

2. Activities of research teams

Activities of R&D teams of & Net Media Lab are limited within the previously presented R&D directions (II).

3. Infrastructure

The Infrastructure of Net Media Lab is appropriate for supporting the R&D directions. Analytically is presented in the Main facilities and Equipment.

4. Services provided

Services provided are included with it the R&D directions of Net Media Lab, and are Research & Study, Design, Development, Installation & Operation of Technological Services & Infrastructures.

III. Strategy for the development of the Institute and criteria of research actions / directions during the period 2006-2008

Net Media Lab

Scientific Coordinator: Dr. Athanasios DRIGAS

Research projects during the period 2000-2005

Total Projects : 23
Total Budget for NCSR "D": 1.973.047,32 €
Total budget for all Partners: 5.057.317,90 €

1: ODISSEAS "Open Distance Interactive SystemS for Educational ApplicationS

Status: Completed
Key Action: Framework Program for Research & Technology II
Starting Date: 1/4/1999
Ending date: 31/5/2001
Duration: 26 months
Coordinator: NCSR "D"
Contractors: EOMMEX, ETBAbank, ELKEDE, PLEGMMA A.E, MDM A.E.
Project Budget: 997.798,98 €
NCSR Code No: 665
NCSR Budget: 313.044,17 €
NCSR Scientific Responsible: Dr A. Drigas

2: SYN " Intelligent network system for the evaluation of the unemployed and their propulsion to the employment market"

Status: Completed
Key Action: Co financing + Framework Program for Research & Technology II
Starting Date: 1/12/1999
Ending date: 30/10/2001
Duration: 18 months
Coordinator: NCSR "D"
Contractors: NCSR "D"
Project Budget: 33.749,08 €
NCSR Code No: 699
NCSR Budget: 30.961,11 €
NCSR Scientific Responsible: Dr. A. Drigas

3: Upgrade of the communications laboratory for accrediting and new services (Collaborating Project with Inst. of Informatic and Telecommunications)

Status: Completed
Key Action: Framework Program For Research & Technology II
Starting Date: 1/5/1998
Ending date: 30/4/2000
Duration: 24 months
Coordinator: NCSR / Inst of Informatics and Telecommunications
Contractors: Ariadnet
Project Budget: 88.041,08 €
NCSR Code No: 484
NCSR Budget: 44.020,54
NCSR Scientific Responsible: Dr. A. Drigas

4: Development of a Portal platform for navigational support on the Internet for disabled people and other social groups

Status: Completed
Key Action: PRAXE (spin off) - Framework Program For Research & Technology III
Starting Date: 24/3/2003
Ending date: 24/11/2003
Duration: 8 months
Coordinator: NCSR "D"
Contractors:
Project Budget: 44.000,00 €
NCSR Code No: 1058
NCSR Budget: 44.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

5: ELECTRON "Distance and life long learning in the electrological sector with the development and usage of up-to-date informative network tools"

Status: Completed
Key Action: Leonardo da Vinci
Starting Date: 1/9/1999
Ending date: 30/4/2001
Duration: 20 months
Coordinator: Sivitanidios Public School
Contractors: NCSR "D"
Project Budget: 204.000,00 €
NCSR Code No: 709
NCSR Budget: 48.550,00 €
NCSR Scientific Responsible: Dr. A. Drigas

6: SOLWIN "Vocational Training in the Electrical Systems technologies for Solar and Wind Renewable Energy Applications using Advanced Internet Services"

Status: Completed
Key Action: Leonardo da Vinci
Starting Date: 1/12/1999
Ending date: 31/7/2001
Duration: 20 months
Coordinator: Sivitanidios Public School
Contractors: NCSR "D"
Project Budget: 200.000,00 €
NCSR Code No: 809
NCSR Budget: 40.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

7: AS.TRA.SE "Assisted Training System for Enterprises" via Internet

Status: Completed
Key Action: Leonardo da Vinci
Starting Date: 1/12/1999
Ending date: 31/5/2001
Duration: 18 months
Coordinator: Centro di Impresa e Innovazione-CII PISTOIA srl
Contractors: NCSR "D"
Project Budget: 192.000,00 €
NCSR Code No: 811
NCSR Budget: 17.280,00 €
NCSR Scientific Responsible: Dr. A. Drigas

8: SME's Training Plan via I.C.T. services

Status: Completed
Key Action: Leonardo da Vinci
Starting Date: 20/12/2002
Ending date: 19/12/2004
Duration: 24 months
Coordinator: IPSIA "A. PACINOTTI"
Contractors: NCSR "D"
Project Budget: 299476,00 €
NCSR Code No: 1039
NCSR Budget: 30.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

9: Distance and Life Long Training for the Deaf people in the E-Commerce and new Technologies Sector via e-Learning Tools"

Status: Active
Key Action: Leonardo da Vinci
Starting Date: 28/12/2002
Ending date: 28/12/2005
Duration: 36months
Coordinator: UOI – LAB.E.SBEC.C.
Contractors: NCSR “D”, PEK, KEESE, Univ. Lymiere Lyon2-Handicap, SSEFIS,
CURSEP, DDYA, Cyprus Ministry of Education & Culture
Project Budget: 633.540,24
NCSR Code No: 1048
NCSR Budget: 200.621,19 €
NCSR Scientific Responsible: Dr. A. Drigas

10: Teaching English as a second language to DeAf people, whose first Language is the sign language, via e-Learning tools

Status: Active
Key Action: Leonardo da Vinci
Starting Date: 1/10/2003
Ending date: 1/10/2006
Duration: 36 months
Coordinator: NCSR “D”
Contractors: Univ. of Ioannina,-LAB.E.SPEC.C., ICCS-NTUA, PEK, CDAT, RNID,
REMARK!, SLFC, HVO
Project Budget: 658.333,60 €
NCSR Code No: 1100
NCSR Budget: 143.851,70 €
NCSR Scientific Responsible: Dr. A. Drigas

11: Portal and e-learning environment for the teaching of Sign Language

Status: Active
Key Action: Leonardo da Vinci
Starting Date: 22/10/2004
Ending date: 21/10/2007
Duration: 36 months
Coordinator: NCSR “D”
Contractors: KENG, RNID, FAD
Project Budget: 365.197,00 €
NCSR Code No: 1204
NCSR Budget: 175.708.34 €
NCSR Scientific Responsible: Dr. A. Drigas

12: Transmission of real time cultural events through satellite network

Status: Active

Key Action: Information Society Framework
Starting Date: 1/3/2004
Ending date: 30/6/2005
Duration: 18 months
Coordinator: OPEP
Contractors: NCSR "D"
Project Budget: 300.000,00 €
NCSR Code No: 1162
NCSR Budget: 280.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

13: Upgrade and extension of the institution of education of disabled people in primary and secondary education

Status: Active
Key Action: Framework Program For Educational & Initial Vocational Training
Starting Date: 10/1/2003
Ending date: 31/12/2006
Duration: 48 months
Coordinator: Univ. of Ioannina - LABESPEC
Contractors: NCSR "D"
Project Budget: 430.000,00 €
NCSR Code No: 1049
NCSR Budget: 131.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

14: Assistance and technical support for the development of services in the area of Information Society Framework for the Organization for Restoration of earthquake victims and specifically, development and operation of an e-Government service

Status: Active
Key Action: Information Society Framework
Starting Date: 16/9/2003
Ending date: 16/9/2005
Duration: 24 months
Coordinator: NCSR "D"
Contractors:
Project Budget: 140.000
NCSR Code No: 1091
NCSR Budget: 140.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

15: Net Media Lab

Status: Active

Key Action:
Starting Date: 21/3/2002
Ending date: 3/4/2008
Duration: 72 months
Coordinator: NCSR "D"
Contractors:
Project Budget: 20.000,00 €
NCSR Code No: 965
NCSR Budget: 20.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

16: Biological Effects of Electromagnetic Fields (EMFs Workshop)

Status: Active
Key Action:
Starting Date: 6/3/2003
Ending date: 6/3/2007
Duration: 48 months
Coordinator: NCSR "D"
Contractors:
Project Budget: 70.000,00 €
NCSR Code No: 1052
NCSR Budget: 70.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

17: ATHLDHMO (PBX Telephone network and audix)

Status: Active
Key Action:
Starting Date: 1/1/1999
Ending date: 2/9/2007
Duration: 105
Coordinator: NCSR "D"
Contractors:
Project Budget: 15.000,00
NCSR Code No: 151
NCSR Budget: 15.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

18: Training of teachers of the primary and secondary education in the technology of Information science and communications

Status: Completed
Key Action: Framework Program For Educational & Initial Vocational Training
Starting Date: 9/2002
Ending date: 9/2004
Duration: 24 months
Coordinator: NCSR "D"
Contractors:
Project Budget: 6.000,00
NCSR Code No: 1006
NCSR Budget: 6.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

19: Development of the Information Centre Network as a principle means of spreading the Youth Program. (E-government application)

Status: Completed
Key Action: YOUTH
Starting Date: 15/11/2002
Ending date: 15/11/2004
Duration: 24 months
Coordinator: NCSR "D"
Contractors: Trans European, Inte'learn
Project Budget: 160.000,00 €
NCSR Code No: 1002
NCSR Budget: 85.000,00 €
NCSR Scientific Responsible: Dr. A. Drigas

20: ADAPT "Adaptation of declined and satiated technicians in the new specialties of gas"

Status: Completed
Key Action: ADAPT
Starting Date: 15/10/1999
Ending date: 31/12/2002
Duration: 38 months
Coordinator:
Contractors: NCSR "D"
Project Budget:
NCSR Code No: 808
NCSR Budget: 11.774,03
NCSR Scientific Responsible: Dr. A. Drigas

21: Electronet "Hellenic Network for the conveyance of tech knowledge"

Status: Completed

Key Action: Framework Program For Educational & Initial Vocational Training
Starting Date: 1/2/1998
Ending Date: 31/1/2001
Duration: 36 months
Coordinator: Sivitanidios Public School
Contractors: NCSR "D"
Project Budget:
NCSR Code No: 477
NCSR Budget: 16.434,33 €
NCSR Scientific Responsible: Dr. A. Drigas

22: DIDO "Distant support for the teaching of mathematics through networks and computer tools"

Status: Completed
Key Action: Framework Program For Educational & Initial Vocational Training
Starting Date: 1/4/1999
Ending date: 30/6/2000
Duration: 17 months
Coordinator: Univ. of Ioannina
Contractors: NCSR "D"
Project Budget: 82.758,62 €
NCSR Code No: 622
NCSR Budget: 49.097,58 €
NCSR Scientific Responsible: Dr. A. Drigas

23: PLATON "Creation of a framework for the dynamic formation of the lesson of automations module with the use of modern informatics tools"

Status: Completed
Key Action: Framework Program For Educational & Initial Vocational Training
Starting Date: 1/4/1999
Ending date: 30/6/2000
Duration: 17 months
Coordinator: NCSR "D"
Contractors: Sivitanidios Public School, 11o TEE Thessalonikis, 2o TEE Patron, SEK Irakleiou
Project Budget: 89.214,97 €
NCSR Code No: 621
NCSR Budget: 60.704,33 €
NCSR Scientific Responsible: Dr. A. Drigas