

Message addressed at the opening session of the
**WORKSHOP "EUROPEAN NETWORKING IN MICRO AND NANOTECHNOLOGIES
 -A BRIDGE BETWEEN EAST AND WEST"**
 28-29 September, Sinaia, Romania



Alexandru Athanasiu, Ministry of Education, Research and Youth

Dear representative of the European Commission,
 Dear members of the Romanian Consortium for nanoscience and nanotechnology,
 Dear representative of the National R&D Institute for Microtechnologies,
 Dear researchers,
 Ladies and gentlemen,

On behalf of the Ministry of Education, Research and Youth, I wish to express the special satisfaction to be a direct supporter in the organization of the Micro and Nano-technologies Decade in Romania, during 28 September to 7 October this year, and, in particular of the **Workshop on European Networking in Micro and Nano-technologies - a Bridge between East and West**, with the participation of most prestigious professionals in the field.

The topics of this international event is of course of highest interest, for the pace and perspective of both the present, and the future development of science and technology.

Romania is engaged in increasing efforts for trying to catch-up and possibly, in a not very far perspective, to keep-up with the tremendous progress in the third millenium technologies, in a dual approach:

- on the one side, by the **introduction of new technologies in traditional economics sectors;**
- on the other side, by making significant **steps towards the development of high technology sectors specific to the knowledge-based society**, where, of course, the further specific to the knowledge-based society, where, of course, the further development of capacity in the micro-, but also in the nano-technologies area is considered of outstanding importance.

The Romanian scientific and technical community, especially in the fields related to knowledge-based society is fully aware and is tightly joining activities at international scale. This involvement covers both research activities at international scale. This involvement covers both research activities such, as well as support activities directed towards the construction of a consistent framework for the development of long term cooperation in the European space, based on mutual recognition and partnership. This active conduct is highly stimulated and encouraged by the participation at the EU RTD Framework Programme 6. The improved participation rates in the recent FP6 competitions illustrate this positive trend rather convincingly.

In the end, allow me to thank you for your attention and to wish full success for the coming work days, both at the workshop and at the nano-forum, in the direct benefit of strengthening and concentrating research and development efforts in the micro- and nano-technologies fields, in the european area.

Excerpt from the Message of Alexandru Athanasiu,
 MINISTRY OF EDUCATION, RESEARCH AND YOUTH



The message was presented by
 Dir. Rolanda Predescu from the Ministry of Education, Research and Youth at EURONET Workshop, Sinaia, Romania, September, 28, 2003

IST and Associate Candidate Countries
 Thomas J. Sommer and Leo Dori; European Commission
 DG INFSO - Information Society



Dipl. Eng. Thomas Sommer

Outline:

- **Information Society Strategies for the ACCs**
 - IS developments in ACCs
 - The EU-15 "tigers": a model for IS development?
- **Analysis of the results of the IST Call 1**
 - General
 - Specific analysis of 'Micro and nanosystems'
- **Next Calls**
- **Remedial Actions**

IS strategies for the ACCs

Background:

- Over the last decade: changes in economies, the institutional and political settings, legal frameworks
- The proactive policies of the ACCs attracted and integrated most of the top global companies in the ICT
- The disparities within the ACCs and in the broader enlarged Europe risk endangering market growth and social cohesion; risk of a digital divide

Conclusions

- Integration of global ICT companies in the domestic economy appears risky in the medium term
- A unique recipe for the road forward does not exist
- ACCs: from benchmarking to benchlearning

Remedial Actions

Remedial actions in IST Call 3:

- To improve the networking and co-ordination of on-going research and innovation activities across regional, national and European level; to accelerate progress towards ERA
- To prepare future activities by deriving strategic roadmaps, identifying upcoming research challenges, going beyond R&D to link to deployment and use
- Remedial and urgent emerging actions à 3rd IST Call
- Part of it will be the Joint Call with priority 3 and the FET proactive initiative

Presentation at EURONET Workshop,
 Sinaia, Romania, September, 29, 2003

6th Framework Programme - Priority 3: Results of the first call for proposals
 Antoaneta Folea DG "Industrial Technologies"
 Unit "Nanosciences and Nanotechnologies"

Outline:

- **Integrated Projects (IP)**
 - Large scale RTD projects
 - Critical mass of RTD resources and competencies
 - New products, processes, services
 - Multi-disciplinary approach
 - Work-packages including stimulation of innovation, dissemination, training
- **Networks of Excellence (NoE)**
 - Progressive and permanent integration
 - Reduce fragmentation at EU level, assembling a critical mass of skills and a joint programme of activities
 - Long term, multi-disciplinary objectives
 - Spreading of excellence outside the network

Main reasons for rejection of projects during the evaluation
 IP: Lack of scientific and technical break-through, lack of industrial relevance
 NoE: Lack of integration (only co-ordination instead) and often too many partners, lack of understanding of NoEs

Preliminary conclusions

Good participation so far in quantity and quality
 Disappointment due to over-subscription
 Feedback à better focus next calls

Next Call 2004

Most significant changes in RTD areas

- Area 1 Nanotechnologies and nanosciences: re-focused topics
- Area 2 Multi-functional materials: re-focused topics
- Area 3 New production processes and devices: re-focused topics
- Area 4 Integration: focus on construction, energy systems, catalysis, surface transport
- Area 5 NEW AREA - cross priorities activities: steel processes; electro-mechanics; bio-sensing systems; nano-photonic/nano-electronic circuits



Dr. Antoaneta Folea

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