



**ECRI 2007** ★  
★ *european conference on research infrastructures*

***A role for new MS: Unlock  
Romania's research Potential***

Ionel ANDREI

ECRI 2007, Hamburg,  
05/06/2007



## ***Who is NASR (ANCS)?***

- ☺ Government's specialized body with the mission to formulate, apply, coordinate, monitor and evaluate R&D and innovation policies, in accordance with the Government Strategy and Programme.
- ☺ Fulfills the responsibilities and undertakes the attributes of the Ministry of Education, Research and Youth (MECT) in the field of research, technological development and innovation.



# ***The Strategy and The National Plan for R&D and Innovation 2007-2013 (1)***



The development of experimental facilities supporting the applied research will concentrate in those areas where the cooperation between the research entities and the beneficiaries may be ensured. The investments in equipment, in particular expensive equipment, will also have to consider the potential for utilization, the development of human resources and the complementarities with the facilities existing at European level.



## ***Current situation - Survey 2005(6) results***

**R&D infrastructure in Romania: still serious gap as compared to the EU level (<10 RI of paneuropean interest older than 15 years)**

**Insufficient utilization of existing infrastructure ( >60 % of existing RI opened for wide access low frequency used – less than 100hours/year)**

**Massive concentration in capital city -Bucharest (more than 70%)**



# ***Implementation/Institutional support (1)***

## ROMANIAN COMMITTEE FOR RESEARCH INFRASTRUCTURES **-CRIC-**

- Set-up: April 2007
- Role: **Strategic consultation forum**, by the National Authority for Scientific Research (NASR)
- Specific mission:
  - **Highly qualified advice**, to support NASR decisions on the **objectives, resources and long term planning** needed for development of research infrastructures
  - Elaboration of the **national “road-map”** for research infrastructures development



# ***Implementation/Institutional support (2)***

## **ROMANIAN COMMITTEE FOR RESEARCH INFRASTRUCTURES -CRIC-**

- 11 members :
  - One president,
  - Secretariat, by NASR
  - Representatives:
    - The S&T environment
    - Ministries coordinating R&D activities
- Monthly meetings (or on request – weekly at the beginning )
- Consensus-based decisions
- Reporting: to the President of NASR



# ***Implementation/Institutional support (3)***

## **ROMANIAN COMMITTEE FOR RESEARCH INFRASTRUCTURES -CRIC- First results**

- Priorities Setting/
- Analysis of R&D domains of highest interest for medium/long term (April - may 2007)
  - General objectives: in accordance to National RDI Strategy 2007-2013
  - Specific priorities: survey addressed to public R&D institutions (more than 100 respondents: R&D institutes and universities)
- Preliminary Inventory of Needs for New Infrastructures



# ***Implementation/Institutional support (4)***

ROMANIAN COMMITTEE FOR RESEARCH INFRASTRUCTURES

**-CRIC-**

**First results**

- target infrastructures:
  - communication infrastructures (high speed network, GRID Infrastructure, Information Security Systems)
  - Integrated Platforms for Research, Development&Testing (ex.: food quality and safety, ecological fuels, nano-structured systems, aeronautics)
  - Advanced research Centers / Institutes (ex.: systems biology, ecological environment reconstruction, industrial robotics, cultural heritage)
  - Large scale data bases (ex.: Unitary S&T Libraries System, National Inventory for R&D projects and results, Socio/humanistic data archives)



# ***Implementation/Financing support***

Dedicated components in national R&D programmes

- Research of excellence / Module I – Complex projects/Technology platforms

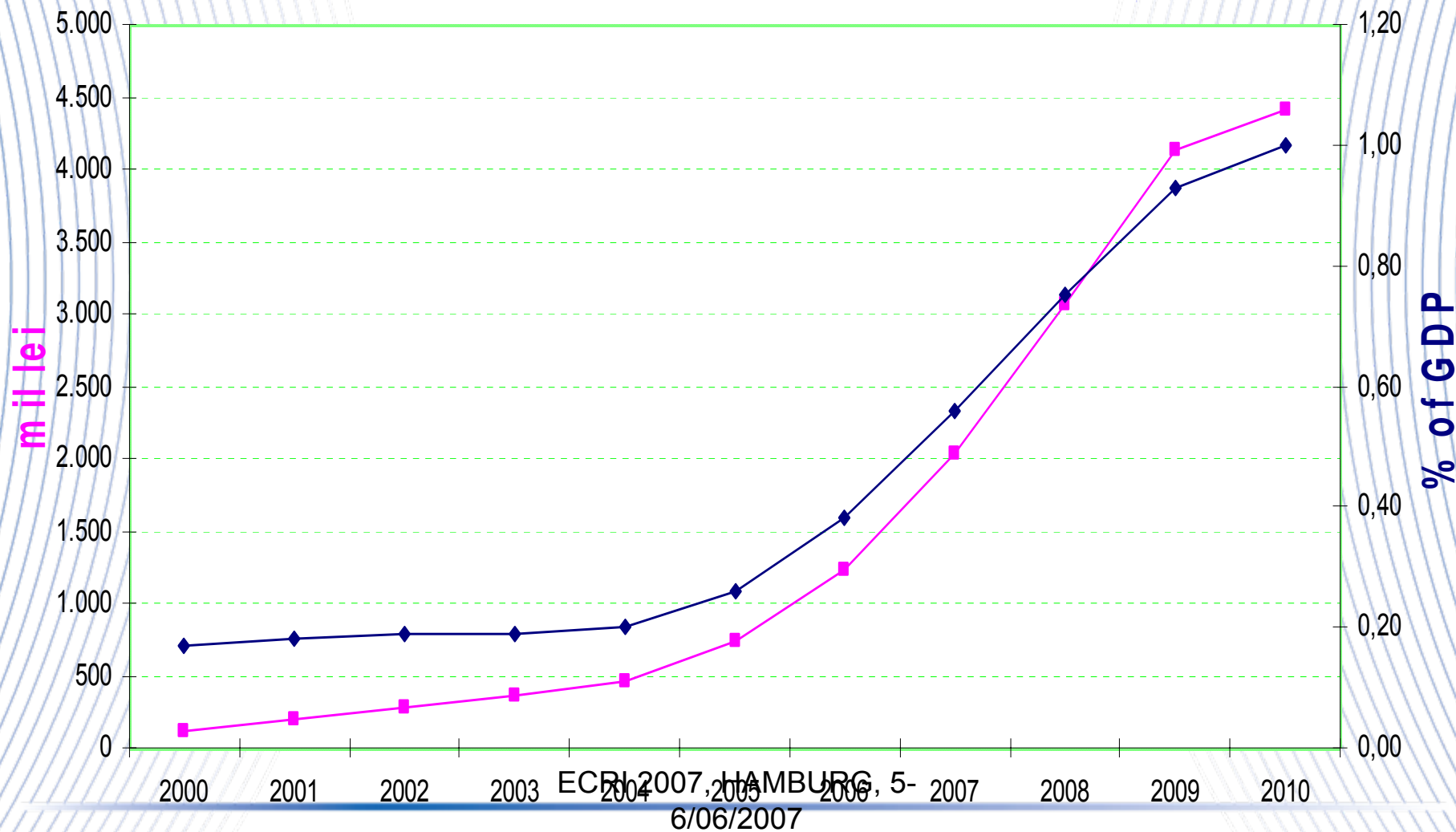
National Plan RDI 2007 – 2013 / “Capacities” programme

Special NASR budget line:

- investments/ maintenance and development of R&D facilities of national interest

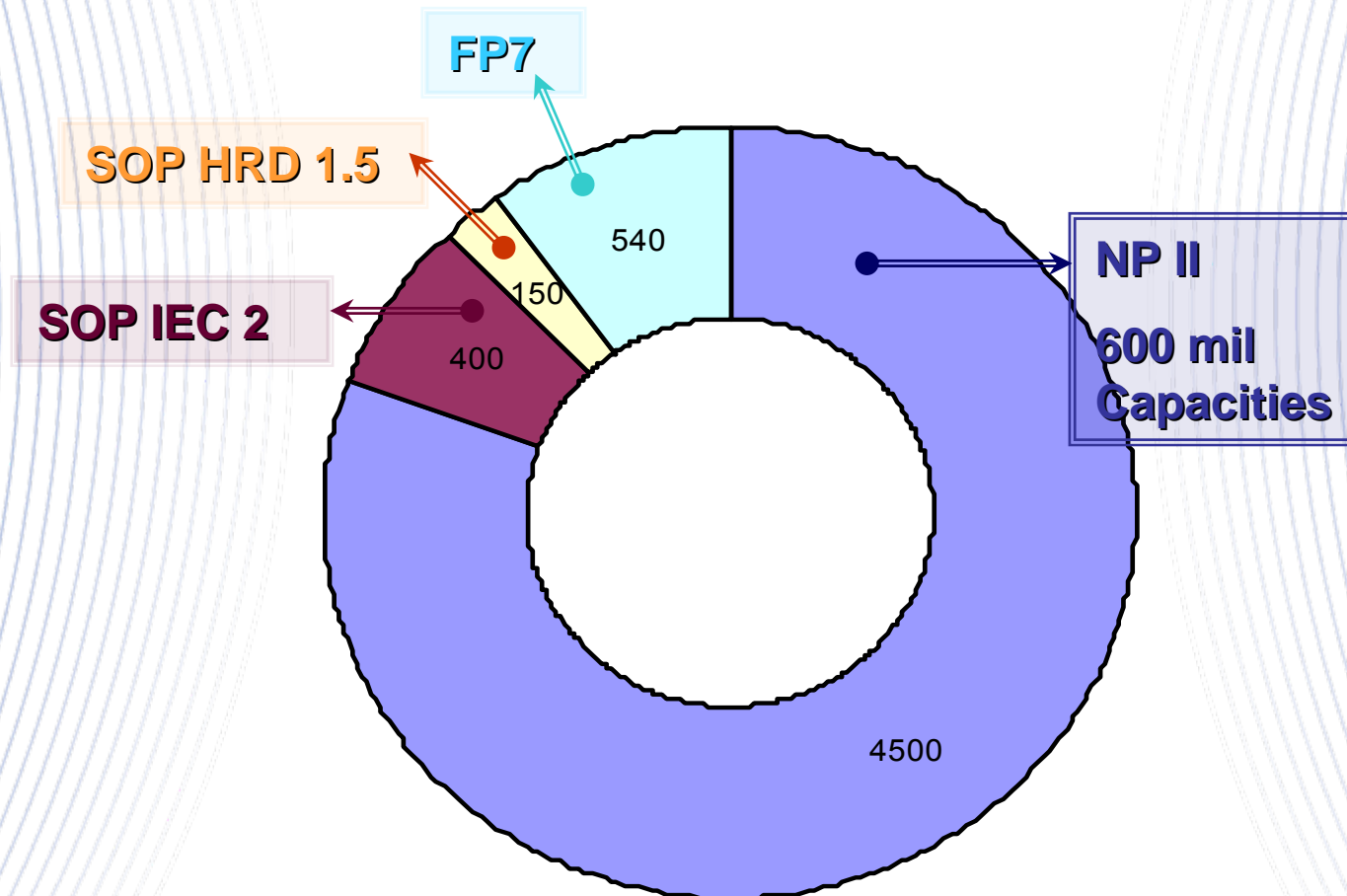


## Public expenditures during 2000-2010





## Where to go for EUROS? 2007 - 2013





# ***Main challenges***

- **A better use of existing infrastructure**
  - **“Museum” ... “Depository”...asap  
“Laboratory”**
  - **Internationalization of RI**



## *...the keys are*

- **Coordination (national, european, intl)**
- **Collaboration (bilateral, regional)**
- **Trust**



# ***Integration of Ro RI in the European and regional perspective***

- participation in ESFRI projects
- “Danube Delta” International Research Centre for Biodiversity

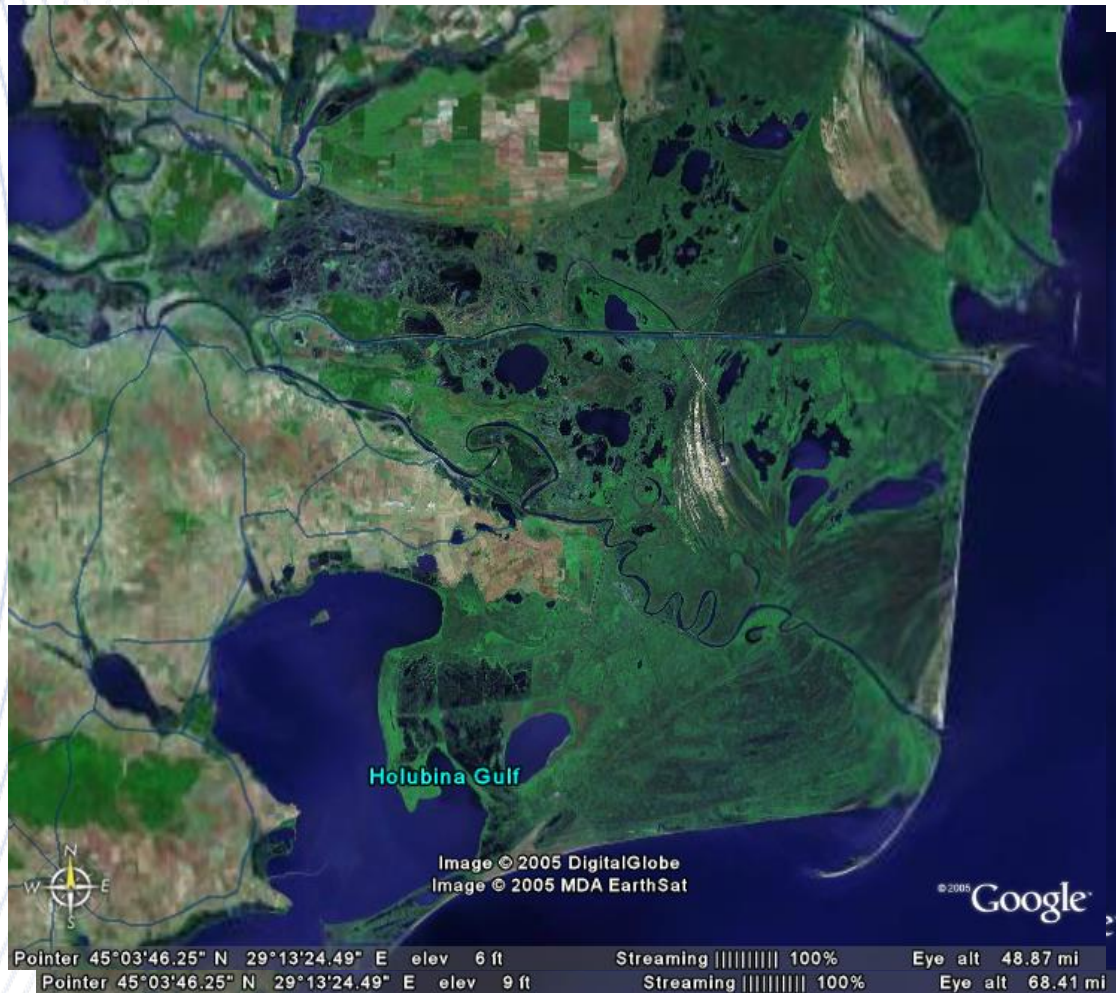


# RO participation in ESFRI projects

CLARIN,  
CESSDA,  
LIFEWATCH,  
EBBBR,  
FAIR,  
SPIRAL 2,  
ELI



## Danube Delta – “Natural” - RI





*DANUBE DELTA* *4.152 km<sup>2</sup>*  
*45° lat North 29° long East.*



*The biggest wetlands reservation of Europe*



***At the end,  
We hope to see you, in Romania  
Thank you!***



ECRI 2007, HA

6/06/2007