

LEGAL FRAME AND POLICIES IN ROMANIA FOR SUSTAINABLE TRANSBOUNDARY WATER MANAGEMENT IN TISZA BASIN



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**MINISTRY OF ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT**



MINISTRY OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

WATER DEPARTMENT



- Elaborates the strategy at national and international level in the field of water management and coordinates the development of the quantitative and qualitative water management

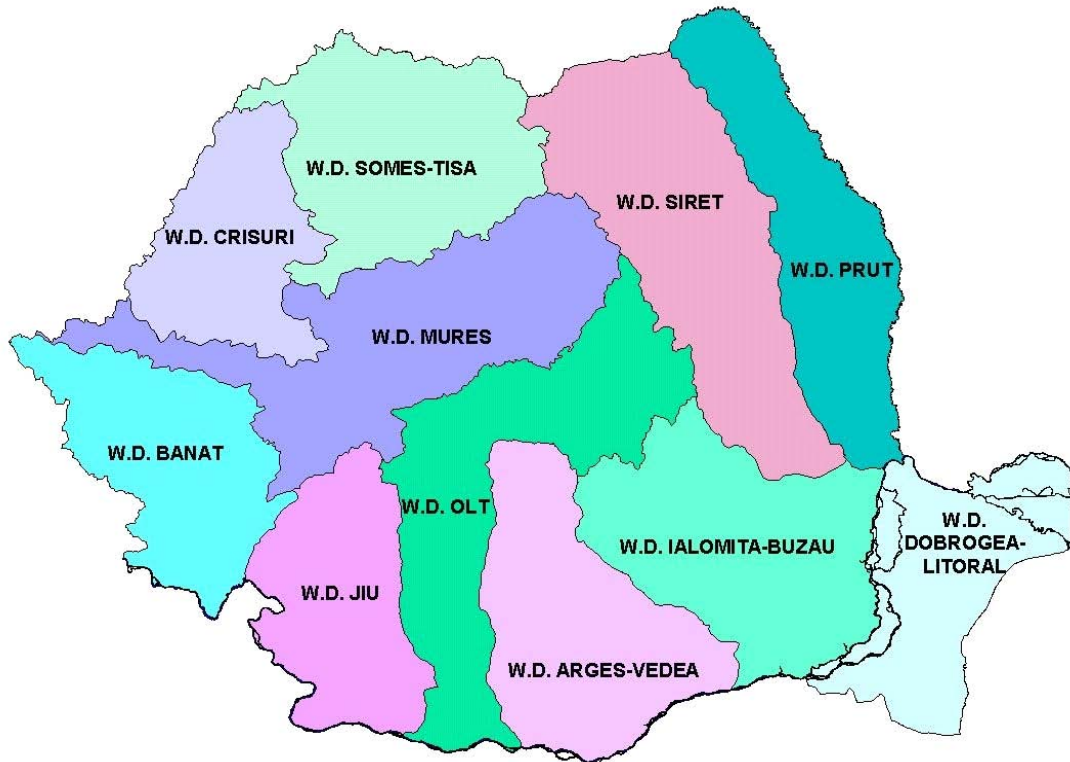
- Establishes at the national level, the strategy on meteorological, hydrological and hydro-geological activities and the system of information, forecast and warning of the dangerous meteorological phenomena

- Ensures the organization and control of the warning systems in case of accidental pollution in the inner waters courses and Danube or the accidents of the hydro-technical constructions

- Organizes and controls the general status of the waters courses, the evidence of the rights for the quantitative and qualitative usage of the waters and the national fund of water management data

- Is responsible for the implementation of the Directives related to water, including the Water Framework Directive 2000/60/EEC

NATIONAL ADMINISTRATION “ROMANIAN WATERS”



- The basic unit for river management in Romania is river basin.
- There are 11 river basins managed by the National Administration Romanian Waters through its units – Water Directorates.
- All the 11 Romanian River basins are directly or indirectly sub-basins of the Danube River

ACTIVITIES

River basin management

Implementation of the EU Directives related to the water

Water resources management

Administration of national system hydraulics structures

Water protection against pollution and over-use

Flood control management

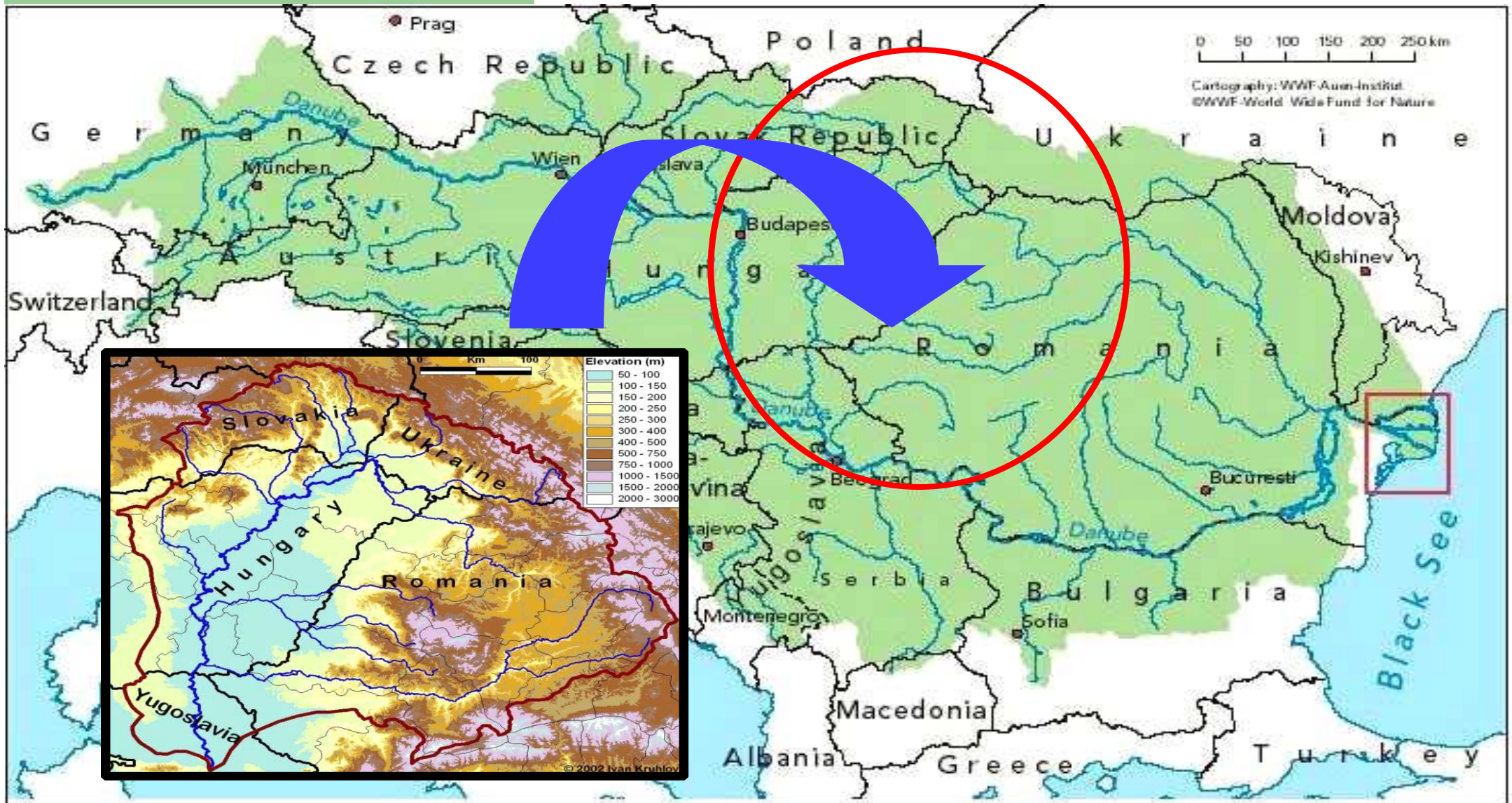
Coordination of national investments in water resources field

Turning to account of water resources

Application of international water agreements

46% OF THE TISZA RIVER BASIN

LOCATED IN ROMANIA



LEGAL FRAMEWORK FOR INTERNATIONAL COOPERATION

THE BILATERAL COMMISSIONS FOR THE IMPLEMENTATION OF THE PROVISIONS OF BILATERAL AGREEMENTS IN THE FIELD OF WATER MANAGEMENT

- 1. Commission for the appliance of the provisions of the Agreement between the Governments of Romania and States Union Serbia and Montenegro (former Federal Republic of Yugoslavia) concerning the hydro technical problems on the hydro technical systems and watercourses located on the border or crossed by the border –Bucharest 1955 (former convention was signed in 1930; a new convention was initiated by Romania)**
- 2. Commission for the appliance of the provisions of the Agreement between the Governments of Romania and Republic of Hungary on cooperation in the field of protection and sustainable exploitation of transboundary watersfor signed in 15 September 2003, entered into force in 17 May 2004 (former Conventions were signed in 1924, 1950, 1962, 1969; 1986)**
Having as main objectiv the harmonization of the national contribution to the Danube River basin Management Plan which will be set up under the implementation of Water Framework Directive 60/2000/EEC
- 3. Commission for the appliance of the provisions of the Convention between the Governments of Romania and Ukraine concerning the cooperation in the field of water management – Galati (Romania) 1997.**

REGIONAL COMMISSIONS FOR THE IMPLEMENTATION OF THE PROVISIONS OF REGIONAL AGREEMENTS IN THE FIELD OF WATER MANAGEMENT

I. Tisa River Forum on Flood Control for the implementation of the provisions of the “Budapest Declaration” signed by the ministers in charge with water management of Romania, Hungary, Ukraine, Slovakia and Serbia and Montenegro signed on may, 2001, in Budapest.

II. “Budapest Declaration” on enviromental protection of the ministers in charge with the environment of Hungary, Romania, Slovakia and Ukraina, signed in April, 2000.

III. International Commission for the Protection of Danube River (ICPDR) - responsible for the implementation of the Convention on cooperation for the protection and sustainable use of the Danube River was agreed in Sofia on 1994 and coordinating the elaboration of Water Basin Management Plan (according to annex 7 of WFD of the Water Framework Directive 60/2000/EEC)

Memorandum of Understanding to towards RBMP for Tisa river supporting sustainable development of the region, Vienna, 13 December 2004

Tisa River Basin is subject of a GEF/UNDP pilot project for this issue.

IV. Tisa Commission – for the implementation of the provisions of the Declaration on initiative concerning the sustainable territorial development of the Tisa River basin – signed in Ljubljana, in 16 September 2003, adopted at the European Conference by the Ministries in charge with Territorial Development (CEMAT) .

GEF/UNDP PROJECT

Establishment of a mechanisms for integrated land and water management in the Tisza river basin

ACTIVITIES:

1. Establishment of the Project management structure at regional and national unit including support for an inter-ministerial coordination committees

2. Preparation of a Stakeholder Analysis

3. Undertake a transboundary diagnostic analysis

- technical task team based on ICPDR Tisa RBG

- identification of priority transboundary water-related environmental issues and problems

- detailed assessment of issues based on existing information, studies, data

- analysis of existing legislation, policies and project investments

- causal chain analysis

- assessment of existing and future socio-economic condition impacting on the environment, including an economic and water-pricing related analysis

4. Prepare the draft Strategic Action Program and National Action Plans , including preparation of a Tisa River Basin management Plan in line with the EU WFD (SAP/RBMP).

5. Development of Flood Prevention and Risk Management Strategy and Action Program

6. Implementation of 3 land and water resource management projects for inclusion in SAP/RBMP.

7. Donor Conference

GEF/UNDP PROJECT

Establishment of a mechanisms for integrated land and water management in the Tisa river basin

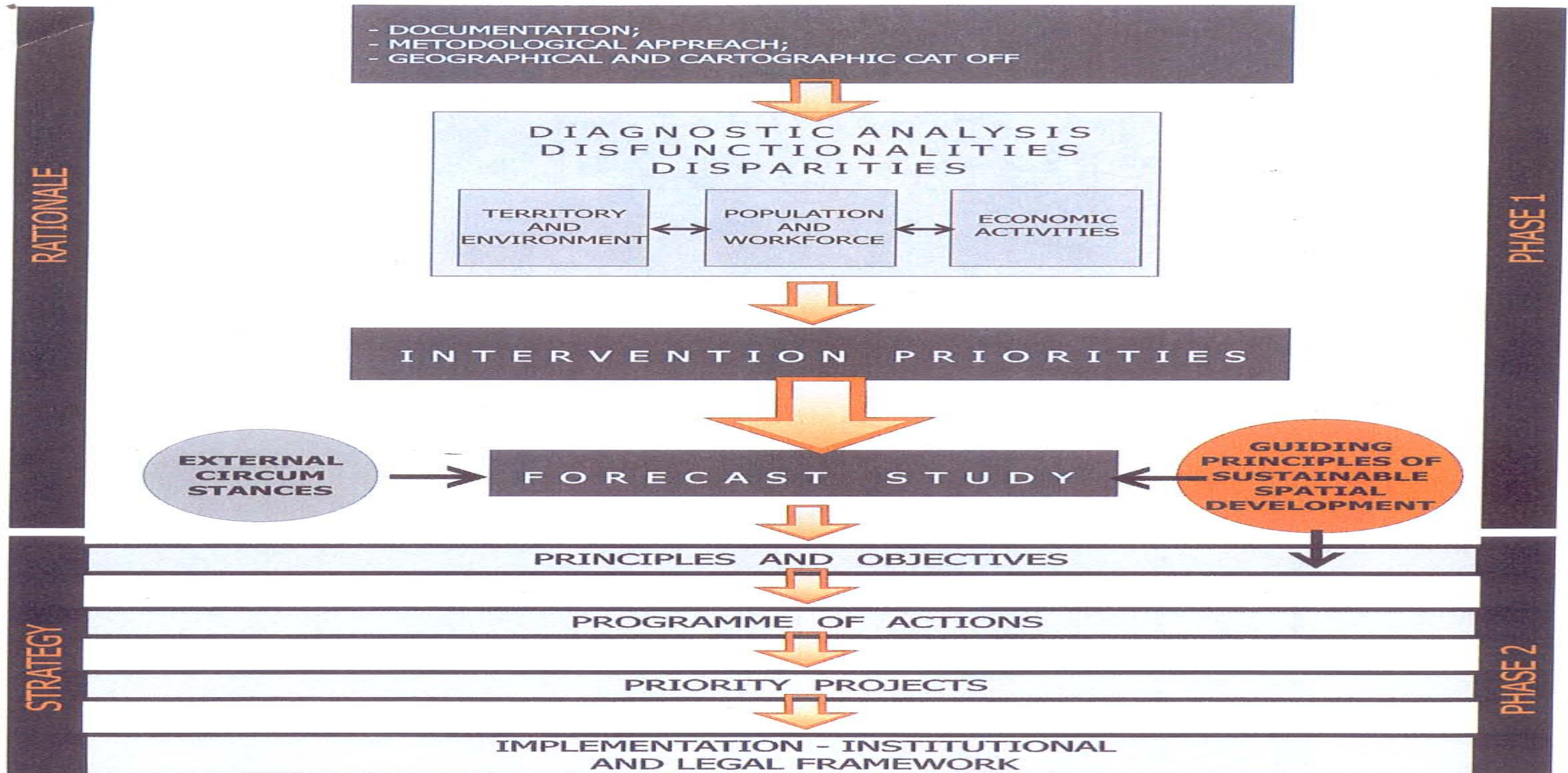
Financing:

- Total budget: US 1,95 million of which US 1,0 million is being sought from GEF

Duration: 30 month

Tisa Commission – under the Declaration on initiative concerning the sustainable territorial development of the Tisa River basin – signed in Ljubljana, in 16 September 2003.

TISARO PROJECT PREPARATION METHODOLOGY



THE TISA HYDROGRAPHIC BASIN WITHIN ROMANIA'S BORDERS



LEGEND

- COUNTRY BORDER
- REGION LIMIT
- COUNTY LIMIT
- TISA BASIN LIMITS WITHIN ROMANIA'S BORDERS
- LIMIT OF HYDROGRAPHIC SUB-BASINS
- HYDROGRAPHIC NETWORK
- MUNICIPALITIES – COUNTY SEATS

Note: Surface area of the Tisa basin within Romania's borders = 71,100 square km



Graphic scale



VULNERABILITY TO FLOODING OF THE TERRITORY NEXT TO THE TISA HYDROGRAPHIC
 BASIN
 (BY COUNTY)
 PERIOD: 1992-2001






LEGEND

INDICATORS BY COUNTY FOR 1992-2001

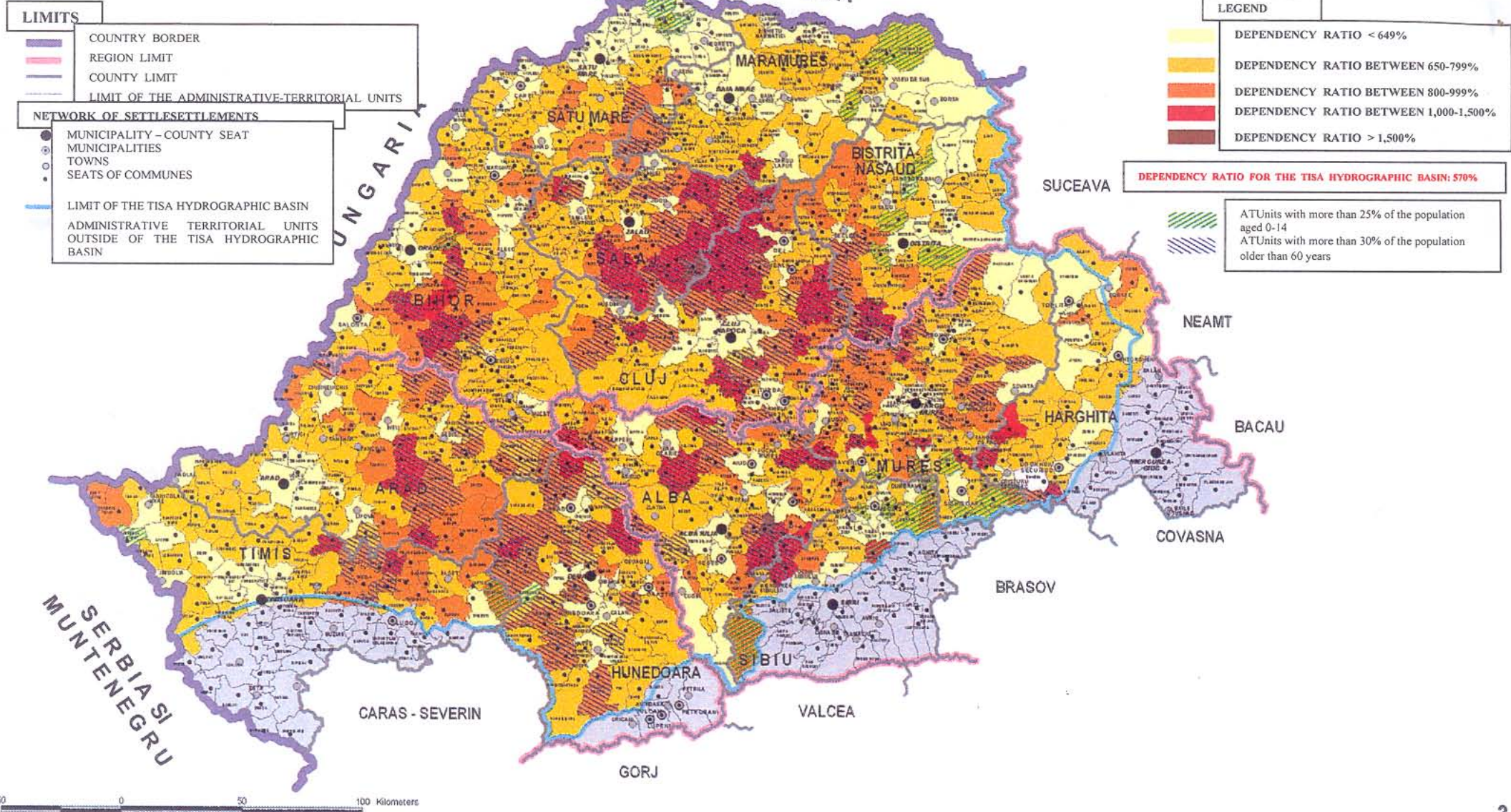
Pm- Cost of average damage (ROL billion)

Ptot -Cost of totals damage (ROL billion)

-  County with very high vulnerability to flooding
-  County with high vulnerability to flooding
-  County with medium vulnerability to flooding

SUSTAINABLE SPATIAL DEVELOPMENT IN THE TISA HYDROGRAPHIC BASIN

DEPENDANCY RATIO OF POPULATION ACCORDING TO AGE GROUPS - 2002



SUSTAINABLE SPATIAL DEVELOPMENT IN THE TISA HYDROGRAPHIC BASIN

POPULATION DYNAMICS 1992 – 2002

1992=100%

- LIMITS**
- COUNTRY BORDER
 - REGION LIMIT
 - COUNTY LIMIT
 - LIMIT OF THE ADMINISTRATIVE-TERRITORIAL UNITS
- NETWORK OF SETTLEMENTS**
- MUNICIPALITY – COUNTY CAPITAL
 - MUNICIPALITIES
 - TOWNS
 - SEATS OF COMMUNES
- LIMIT OF THE TISA HYDROGRAPHIC BASIN
- ADMINISTRATIVE TERRITORIAL UNITS OUTSIDE OF THE TISA HYDROGRAPHIC BASIN

- LEGEND**
- ATUnits with population decrease by more than 10%
 - ATUnits with population decrease by 5 to 10%
 - ATUnits with relatively stable population dynamics (-/+ 5%)
 - ATUnits with population increase by 5 to 10%
 - ATUnits with population increase by more than 10%

TOTAL POPULATION DYNAMICS IN THE TISA HYDROGRAPHIC BASIN: - 6.1%

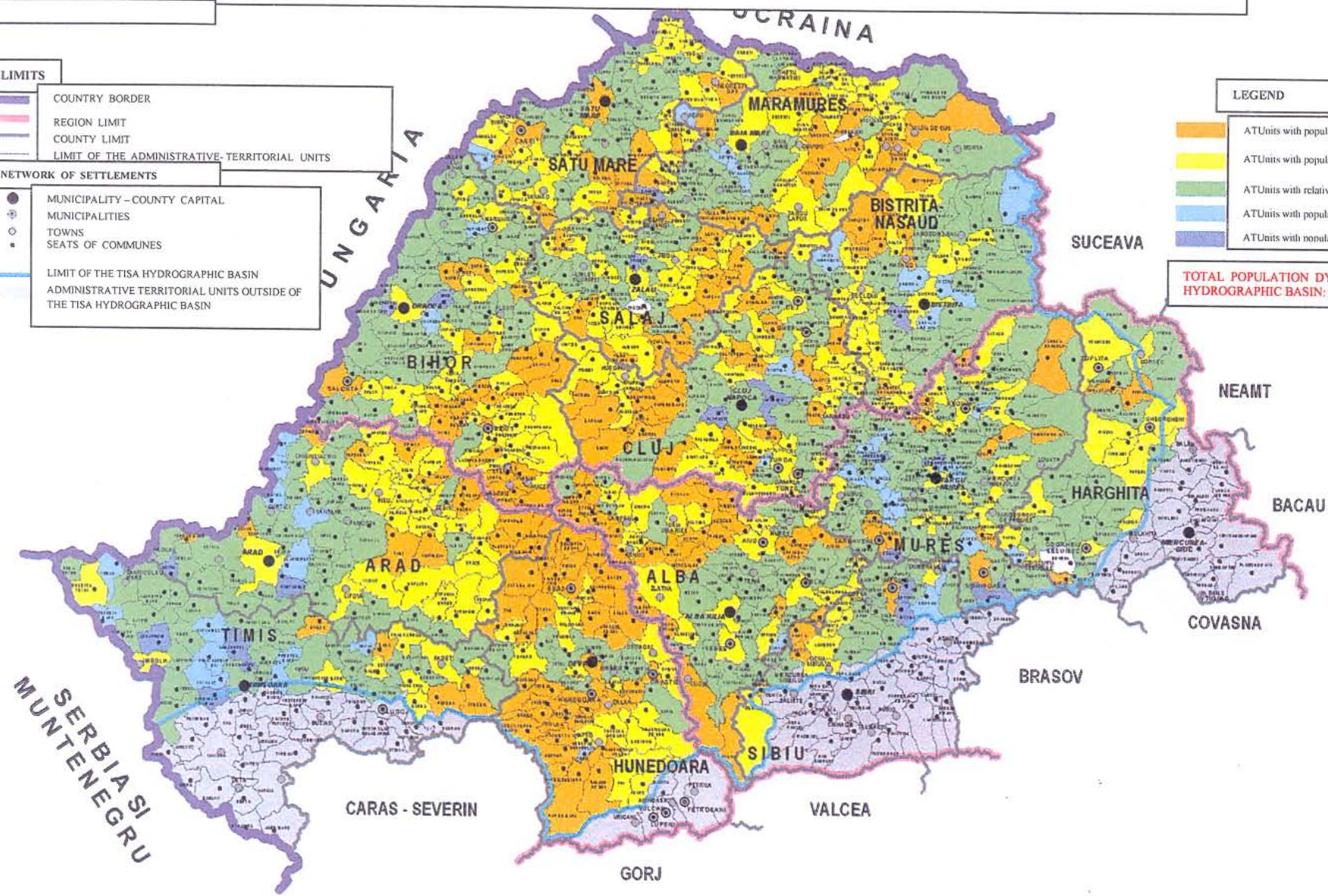
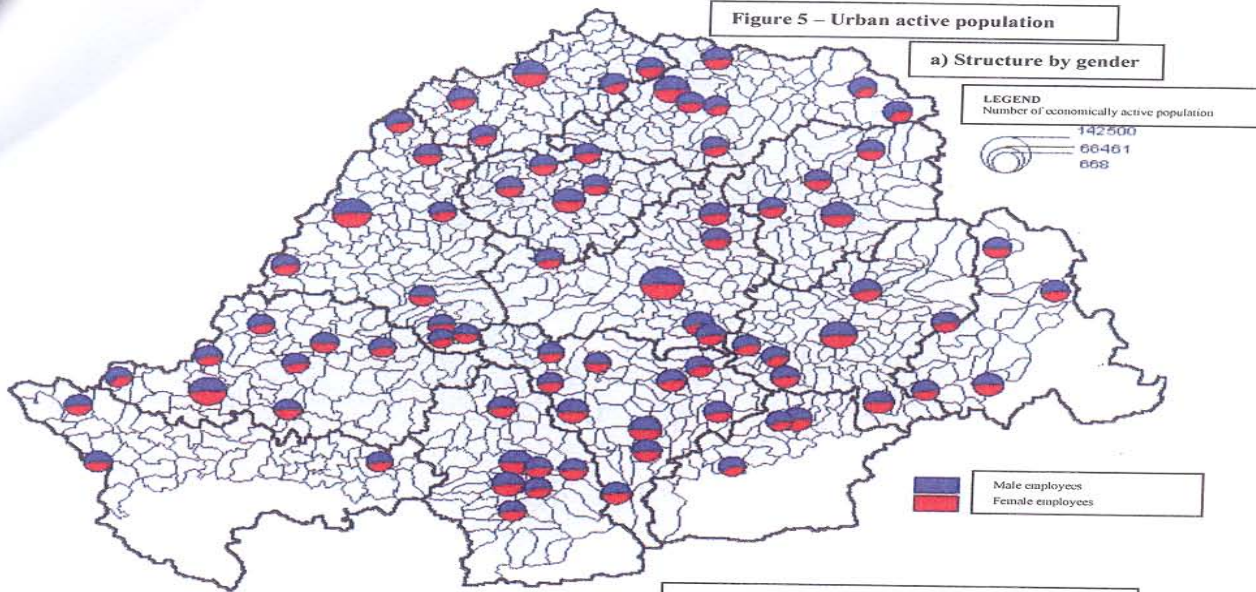
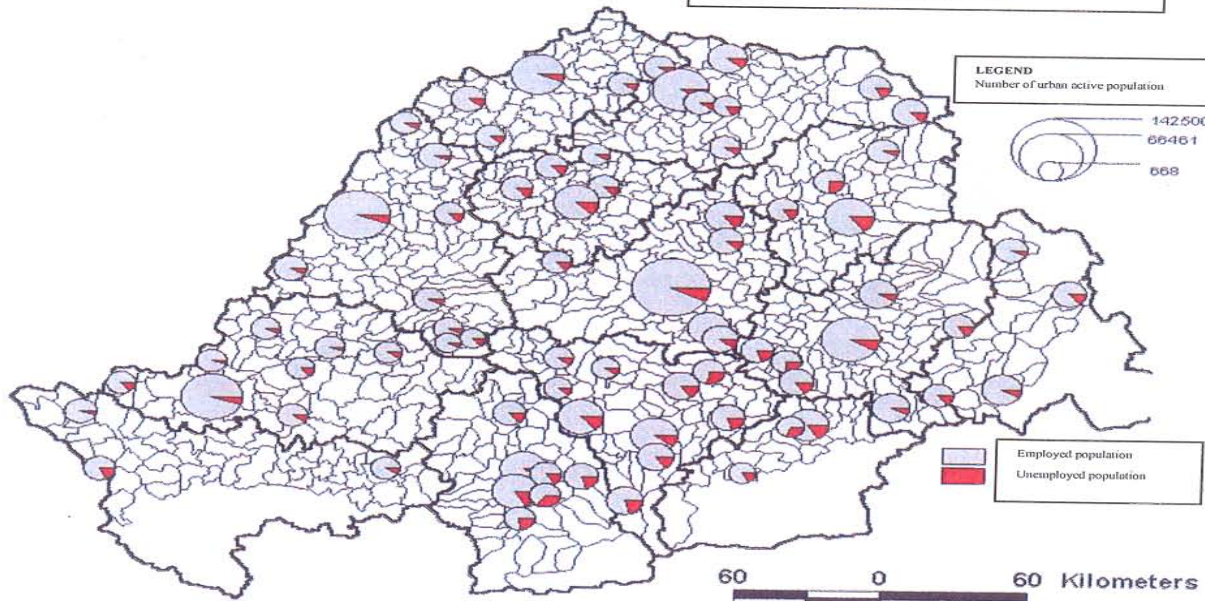


Figure 5 – Urban active population

a) Structure by gender

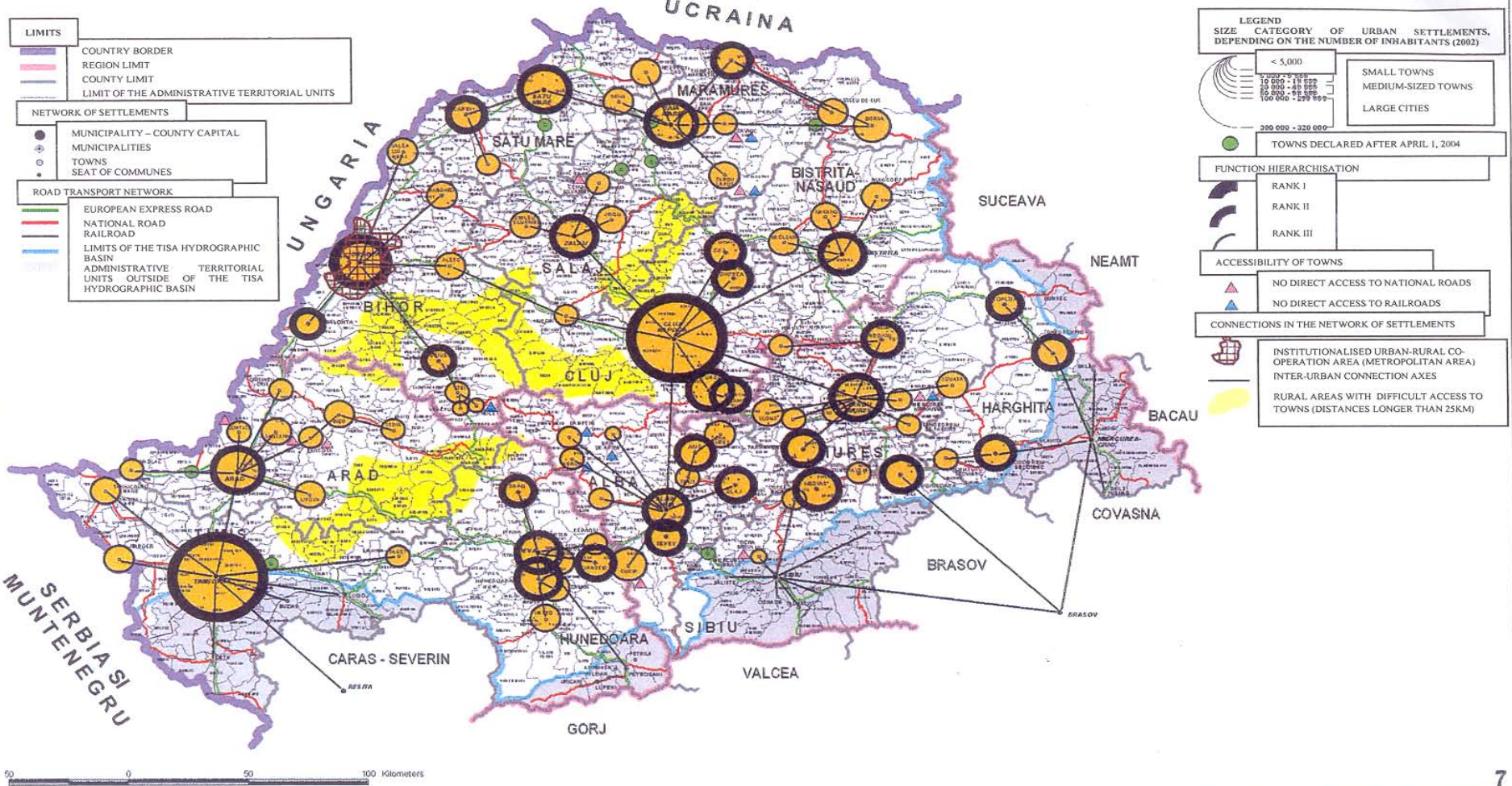


b) Economically active population



60 0 60 Kilometers

SUSTAINABLE SPATIAL DEVELOPMENT IN THE TISA HYDROGRAPHIC BASIN NETWORK OF SETTLEMENTS



ROMANIAN PRIORITIES CONCERNING THE IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE

- **BALANCED IMPLEMENTATION OF THE WATER FRAMEWORK DIRECTIVE AT THE LEVEL OF ALL 11 ROMANIAN RIVER BASINS**
-
- **WATER POLLUTION REDUCTION BY IMPLEMENTING :**
 1. *Council Directive 91/271/EEC concerning urban waste water treatment*
 2. *Council Directive 91/676/EEC concerning the protection of waters against pollution caused by nitrates from agricultural sources*
 3. *Council Directive 76/464/EEC on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community and its daughter directives*
 4. *Council Directive 80/68/EEC on the protection of groundwater against pollution caused by certain dangerous substances*
 - **ELABORATION OF THE WATER BASIN MANAGEMENT PLAN AT THE DANUBE RIVER BASIN LEVEL**
 - **HARMONISATION OF THE NATIONAL CONTRIBUTIONS TO THE PLAN THROUGH THE BILATERAL WATER COMMISSIONS**

Revised Draft Table of Contents for Tisza River Basin Analysis Report – 2005/2007

(According to the statements of the 6th Tisza Group Meeting)

1. INTRODUCTION

Part I: Characterisation

2. TISZA RIVER BASIN OVERVIEW AND INTERNATIONAL ARRANGEMENTS

3. GENERAL CHARACTERISATION OF THE TISZA RIVER BASIN

Part II: Water quality

4. CHARACTERISATION OF SURFACE WATERS (ART. 5 AND ANNEX II)

5. CHARACTERISATION OF GROUNDWATER QUALITY (ART. 5 AND ANNEX II)

Part III: Water quantity

6. EXCESS WATER

7. FLOOD MANAGEMENT

8. DROUGHT MANAGEMENT

Part IV: Cross-cutting issues and integrated management

Revised Draft Table of Contents for Tisza River Basin Analysis Report – 2005/2007

9. CROSS CUTTING ISSUES

10. MONITORING AT NATIONAL AND TRANSBOUNDARY LEVEL

11. INVENTORIES OF PROTECTED AREAS (ART. 6 AND ANNEX IV)

12. ECONOMIC ANALYSIS (ART. 5 AND ANNEX III)

13. PUBLIC INFORMATION AND CONSULTATION

14. KEY WATER MANAGEMENT ISSUES AND PRIORITIES FOR THE PROGRAMME OF MEASURES

15. KEY CONCLUSIONS AND OUTLOOK

16. RECOMMENDATIONS FOR THE CONTINUATION OF THE TISZA RIVER BASIN COUNTRIES COOPERATION

REFERENCES



THANK YOU FOR YOUR KIND ATTENTION