# Strategies and perceptions in planning for urban green infrastructures in Romania

Niță Mihai Răzvan, Gavrilidis Athanasios Alexandru, Onose Diana Andreea, Badiu Denisa Lavinia, Nastase Irina Iulia

University of Bucharest – Centre for Environmental Research and Impact Studies

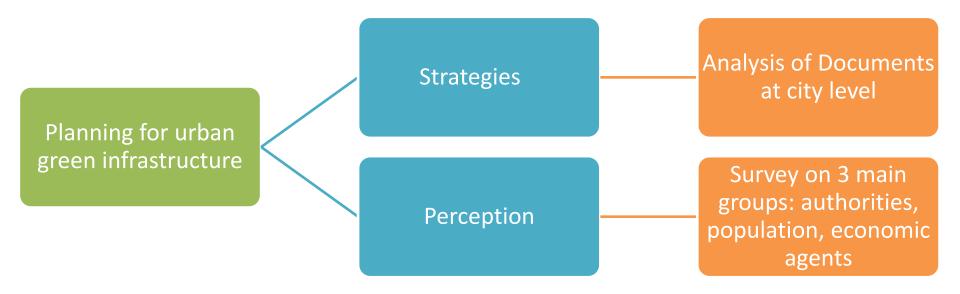
Panacea Green Infrastructure? Essen, February 16<sup>th</sup>/17th

Session 4

Governance/Long-Term Management Dimensions
of Green Infrastructure











#### Introduction to planning for UGI in Romania

Green infrastructures Planning

Law 24/2007
Regulation and
Management of
Green Spaces
(2009, 2012,
2014)

1. Public green spaces with unlimited access

Decision 525/1996 for the General Urbanism Regulation. Published in 2002

Which urban functions should be associated with types of green spaces and their surface.

2. Public green spaces of specialized use

Establishes:

- the objectives of managing green space
- delineates
   administrators
- budget allocations

Law 350/2001 on territorial planning and urbanism (2006, 2008)

Defining terms, actors and procedures.

Which urban functions should be associated with types of green spaces.

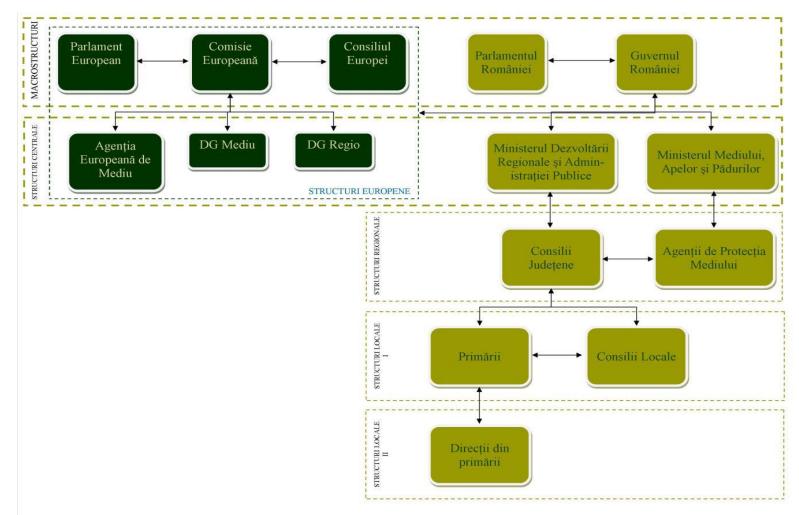
Law 351/2001 on the National Planning System – Settlement Network (2006, 2007)

Establishes qualitative and quantitative indicators according to the rank of the settlement.





## Introduction to planning for UGI in Romania

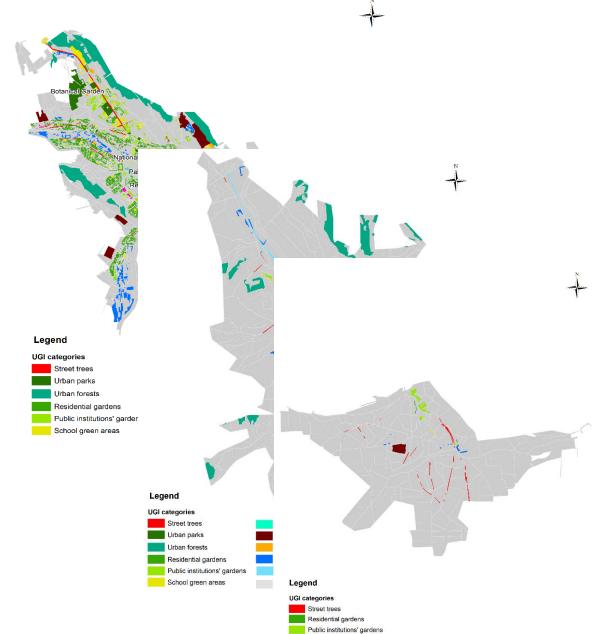






### Title

Text



School green areas Green spaces of industrial areas

Impermeable surfaces





0.350.175 0

0.35 Kilometers

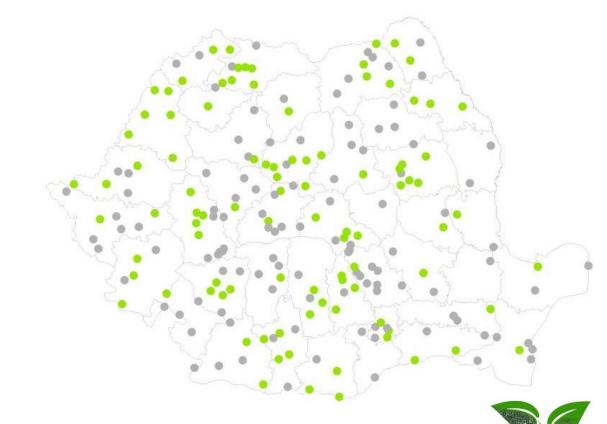
Which strategies, concepts and instruments for the governance and long-term implementation of green infrastructure exist?

### Evaluating the strategies

- Development Strategies for 213 cities in Romania
- Information extracted in a pre-encoded database

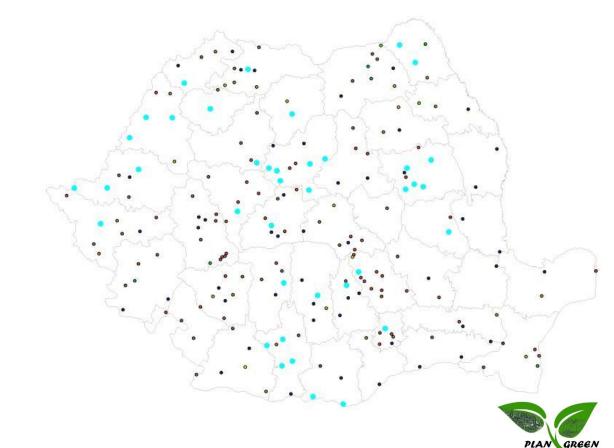
#### Assessment for UGI:

- Objectives (165)
- Perspectives (84)
- Indicators (22)



### Main objectives in strategies

- Increasing the surface (142)
- Conservation (49)
- Development (28)
- Social (16)
- Management (24)



#### Strategic approach to UGI

#### Frequent objectives:

- Expansion/Maintanance of green spaces
- Flowers planting

#### Frequent indicators:

- Surface of green spaces / inhabitant
- Number / surfaces

Reduced correlation between objectives and perspectives

Reduced correlation between perspectives and monitoring indicators

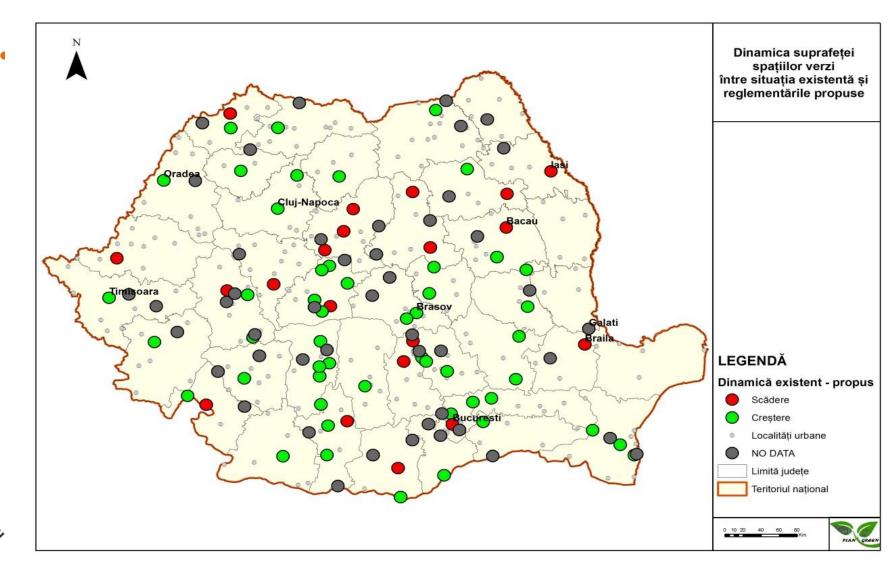




How is 'good quality' green infrastructure achieved – what does 'good' quality mean in the strategies?



### Strategic approach to UGI



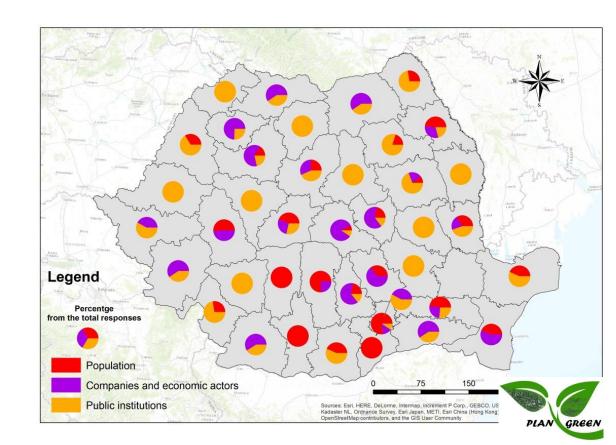


### **Evaluating perception**

400 questionnaires and counting...

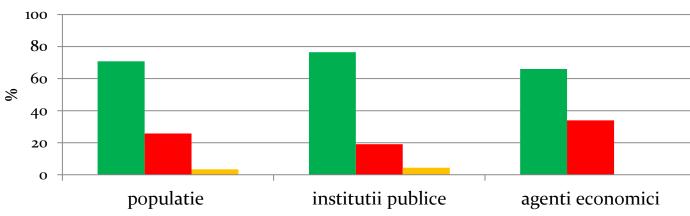
#### Assessment for UGI:

- Concepts
- Benefits
- Management
- Problems
- Profile



#### Knowledge about UGI

Text



■ DA ■ NU ■ NU STIU

Figure 6 Target groups knowledge about the concept of UGI

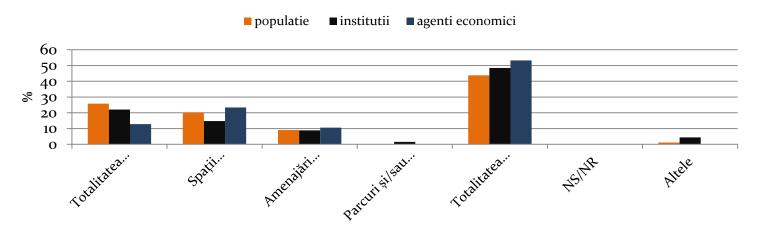


Figure 7 Target groups concept's definition





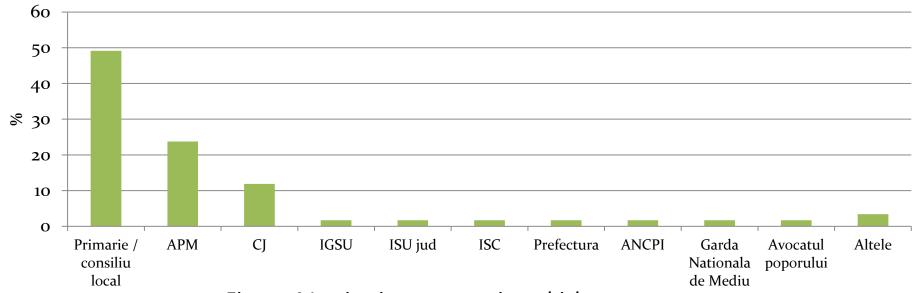
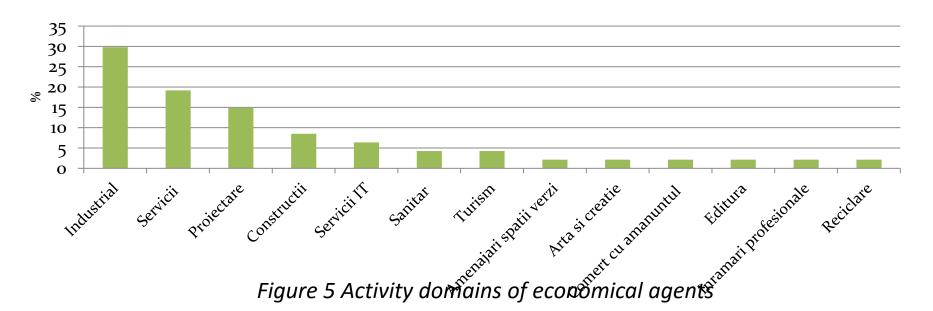
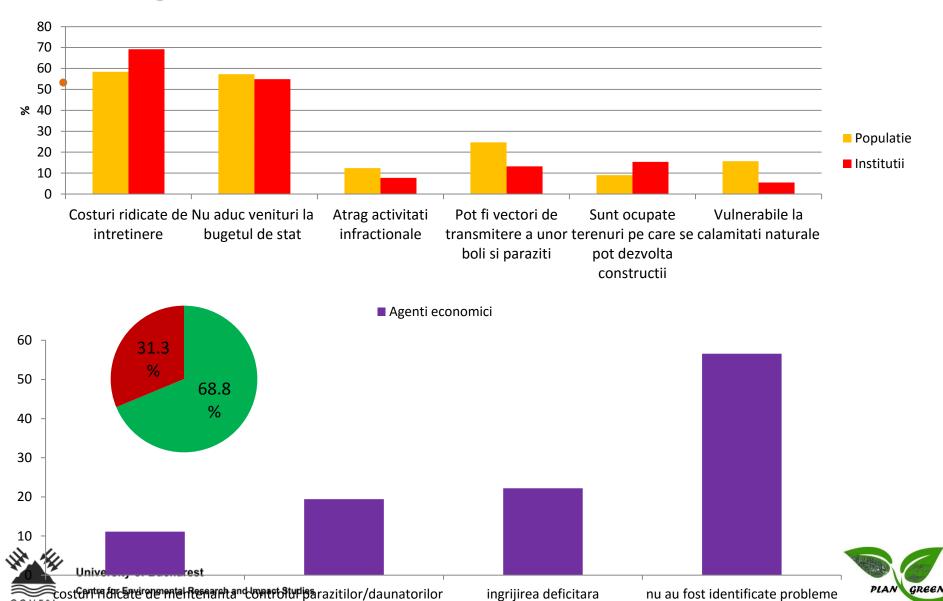


Figure 4 Institutions categories which responded to the survey



Who is involved in delivering effective green infrastructure?

#### Management of UGI



## Perceptions about the role of UGI

Text





How is 'good quality' green infrastructure achieved – what does 'good' quality mean in the perception of different actors?

#### **Authorities**

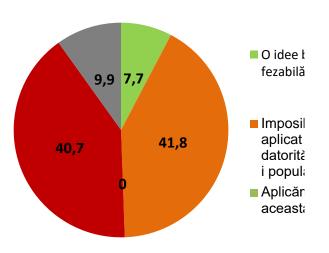
How do you consider the idea of fees for population or economic agents used for the development of UGI?

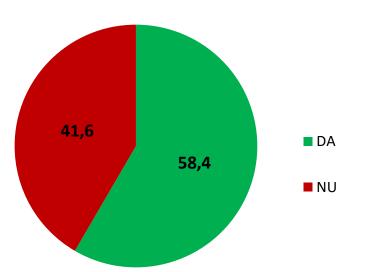
#### **Population**

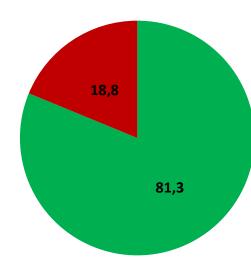
Would you be willing to pay a fee for the development of UGI?

#### **Economic agents**

Would you be willing to pay for the development of UGI given financial benefits?







What funding models (e.g. endowments, trusts, contracting-out) work in practice for the long term?

### **Conclusions**

Text



### Thank you for your attention!

This work was supported by a grant of the Romanian National Authority for Scientific Research and Innovation, CNCS — UEFISCDI, project number PN-II-RU-TE-2014-4-0434 - Developing a model for evaluating the potential of urban green infrastructures for sustainable planning.



