

Some aspects on maintenance/land use around the trees in urban areas, an overview of Pogradec city, Albania

Hajri Haska1, Eneida Haska2*

1 Agricultural University, Faculty of Forestry Science, Tirana, Albania,

2. Regional Environment Center, Tirana, Albania





World Forum on
Urban Forests
Mantova 2018

What I am going to present.....???



In order to increase the efficiency of the ways of maintenance the soil around the trees in urban areas, with main aim of finding most appropriate way which gives maximum benefit to both : - for nature and community/society – something about those issues I will present to you, with some preliminary results with on my study realized in Pogradec city, Albania



Reporter.al | Ivana Dervishi



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**Trees and shrubs are the
base structure of urban
greenery**



associated with

**flowers, grass, alleys, sidewalks, water
bodies, wood-work, sculpture,
artistic/art works...ect**





Methodology

Considered some aspects like:

- -Management way: high forests, coppice, shrubs, combined.
- -Organization way: dispersed trees, trees in rows, in corridors, trees in groups, forests
- -Form: square, rectangular, circular, sloping, corridor, irregular shape.
- -Surface: hole during sowing, planting site, current seedlings, growth prospects, available space
- -Construction area around trees: directly on the ground, with sidewall, stone, wood, iron.
- -**Way of maintenance:** worked soil, un-worked soil, with grassy, flowers, mulching, and other materials.





**After planting, the way of
maintenance/land use
around of trees in urban
areas.**

- ☛ **Size of seedlings,**
- ☛ **growth of trees**
- ☛ **place where it planted**

(urban forests, sidewalks, along
the streets, in the yard of houses
or institutions, river banks or
lakes)

- ☛ **kind of trees,**
- ☛ **management way,**
- ☛ **mechanization work**
- ☛ **etc. ...**

**considered factors
for choose the best
way of land use
around the trees in
the urban areas.**





Methodology - Study site

City of **Pogradec**, analyzed in study, one more beautiful cities in Albania, lies in the S-E of the country, on shore of Ohrid Lake, deepest lake in Europe, annual average temperature reaches 12.3°C, and 730 mm rain, 700m asl, 38 000 inhabitants.

In this very beautifully city, during communism period came here communist leaders(EH) for vacation, city have a lot of greenery area, evident with trees, shrubs and grass, within the city and suburbs, a very good architecture of buildings and streets.

38 000
inhabitants

5.5 m² per
capita

Total greening surface 208.000 m²
Surface with flowers 6.950 m²
Surface with grass 156.050 m²
Other land surface 22.050 m²
Water surface 23.000 m²
Decorative trees 4.500 cope
Shrubs 1.250 cope
Greening bordure 1.800 ml





Results

- Study direct in terrain for the ways maintenance of land around trees in Pogradec city
- Compilation an Questioner
- Definition of Target groups
- Interview of 27 peoplesface to face
- Coding of data collection
- Preparation all data collected in Excel format
- Processing in the Sas/stat software and Statgraphix program.... Variance analysis...





Nr	Way of maintenance around urban trees.	CORELATIONS WITH ENVIRONMENT AND BENEFITS									
		Soil conditions	BD	Landscape	WILDLIFE HABITATS	HUMIDITY	Access to services	Rain infiltrating	The attraction of birds,	Albedo	
		1	2	3	4	5	6	7	8	9	10
1	Worked soil...	***	●	●	**	***	***	***	**		
2	Un-worked soil..	●	●	●	●	●	**	*	●		
3	With grassy...	***	***	***	***	**	●	**	***		
4	Flowers...	***	***	***	***	**	●	**	***		
5	Mulching....	***	***	***	***	**	●	**	***		
6	Others materials-(stone, concrete,)....	***	***	***	***	**	●	**	***		





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Grade evaluation of positive impacts/influences

- low/without impact influences

* Low

**Middle

***High



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Results

From processing of data collected results that the best way of maintaining the land around the tree is ranked as below:





Conclusions and recommendations

Chosen a best way of maintenance /land use around the trees – more additional benefices from trees

-Increased the greening surface, in the way with flowers and grass in total

1 tree :
0.50 m x 0.5m = 0.25 m²

20 000 trees =
5000 m²

-So , have high BD, wild habitats, good soil humidity , landscape, albedo....

-First stage – the best arable, worked land

-An middle stage – the best way with flowers and grass

-In the last stages, mature trees, can used intermediates ways, mixed

-As disadvantages : increases the scale of difficulty for cultural services and mechanization works

with stone, concrete, no-worked land - no very effective, low benefices..





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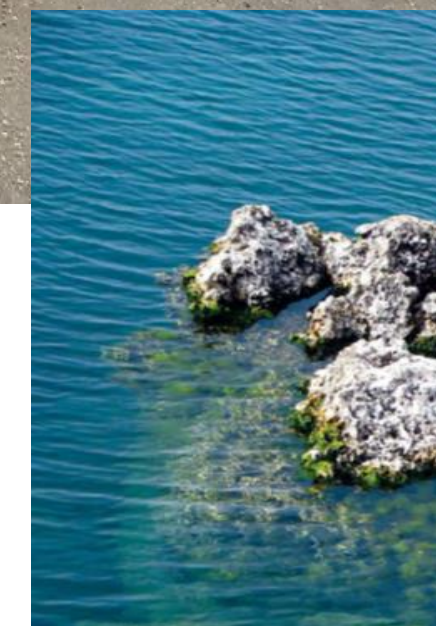
**Thank you for your
attention**



**GRAZIE PER
L'ATTENZIONE**



Students in practice for urban forestry in Pogradec



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