



# Forests protection in Republic of Macedonia

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### PE MACEDONIAN FORESTS 1998-2009

### Afforestation

There is an average of 1500 ha of afforestation

### Nursery gardens

PE Macedonian Forests has a total of 19 nursery gardens with a maximum capacity of 20 million seedlings

- Forests protection
  - Fires
  - Illegal woodcutting
  - Diseases and pests





### PE MACEDONIAN FORESTS 1998-2009

### Fires as a serious problem with economic and ecological

### importance

# Review Forest fires for the period of 1999-2009 година, including period to 31.08.2009

Numbe r	Year	Number of fires	Fired areas (ha)	Fired wooden mass m3	Costs for fire elimination (denars)	Total damage from fire
1	1999	69	2,414.80	1,905.00	104,000.00	105,837,151.00
2	2000	476	46,235.73	711,782.00	60,520,814.00	969,852,057.00
3	2001	161	6,263.30	88,260.00	4,142,270.00	610,814,677.00
4	2002	65	1,186.30	24,661.28	941,972.00	18,531,939.00
5	2003	144	1,068.88	10,987.00	2,765,688.00	15,594,691.00
6	2004	94	892.05	4,322.30	1,439,302.00	91,083,591.00
7	2005	182	1,368.00	1,063.00	2,584,114.00	25,287,638.00
8	2006	138	2,085.95	12,978.00	2,763,983.00	148,712,782.00
9	2007	652	35,248.06	617,678.00	23,598,042.92	1,311,167,721.95
10	2008	249	7,411,70	37,362.50	5,897,256.00	280,083,235.00
11	2009	38	197,00	756,50	313,627.00	5,812,889.00
Тс	otal	2268	96,763.07	1,510,999.08	105,071,068.92	3,582,778,371.95



### PE MACEDONIAN FORESTS 1998-2009

# Fires as a serious problem with economic and ecological importance

**Endangered areas** 



Степен на загрозеност по ха		
1	52,385.86	
11	198,310.91	
W	374,695.48	
IV	191,583.42	





### **PE MACEDONIAN FORESTS** 1998-2009

### Available resources for fire extinguishing

### **Review**

Total resources for extinguishing forests fire •

Number of workers	Resources for extinguishing forests fire							
	Water pumps	Steel brooms	Rakes	Shovels	Axes	Motor saws	Hoes and diggers	
1731	254	491	253	279	153	63	180	





### **PE MACEDONIAN FORESTS** 1998-2009

### **Available mechanization**

34

65

99

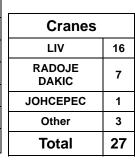
**Review** 

### Total available mechanization

		Terrain	ì
Bulldozers		vehicles	
TG 50	2	UAZ	3
TG 75	12	Lada Niva	6
TG 80	5	Total	9
TG 90	3		
TG 100	7	Ī	
TG 110	20	Ī	
TG140	9		
TG 160	1		
TG 170	1	Ī	
Total	60		

	Tractor	S
	LKT 80, 81	16
	Different IMT	28
	Total	44

Tracks		
FAP 1314	38	
FAP 1414	17	
FAP BUS	15	R
FAP 1516	6	JO
KAMAZ	8	
Total	84	







### PE MACEDONIAN FORESTS 1998-2009

### **EVIDENTION OF FORESTS IN R. MACEDONIA**

### **Composition of forests by area:**

Composition of forest	Area (ha)
Broad leaf forests	471.138.49
Mixed broad leaf forests	239.744.73
Pine leaf forests	70.812.33
Mixed pine leaf forests	8.350.56
Other broad leaf and pine leaf forests	45.009.51
TOTAL :	835.055.82



Area of forests according to the composition of species	Area (ha)
Beech (Fagus spp.)	195.403,06
Oaks (Quercus spp.)	244.671,36
Other broad leaf deciduous	27.556,84
Other leaf trees	8.350,56
Spruce (Picea)	835,06
Fir tree (Abies spp.)	2.005,17
Black pine (Pinus Nigra)	55.948,74
White pine (Pinus Silvatica)	6.680,45
Other pine leaf Evergreen	4.175,30
Other broad leaf and pine leaf	288.929,31

# Thank you for your attention !



# To preserve the forest, we have to take care of it!



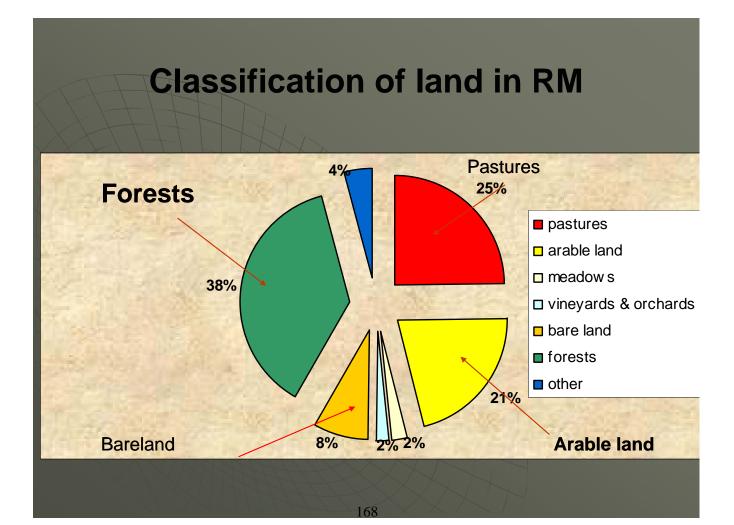
Ministry of Agriculture, Forestry and Water Economy

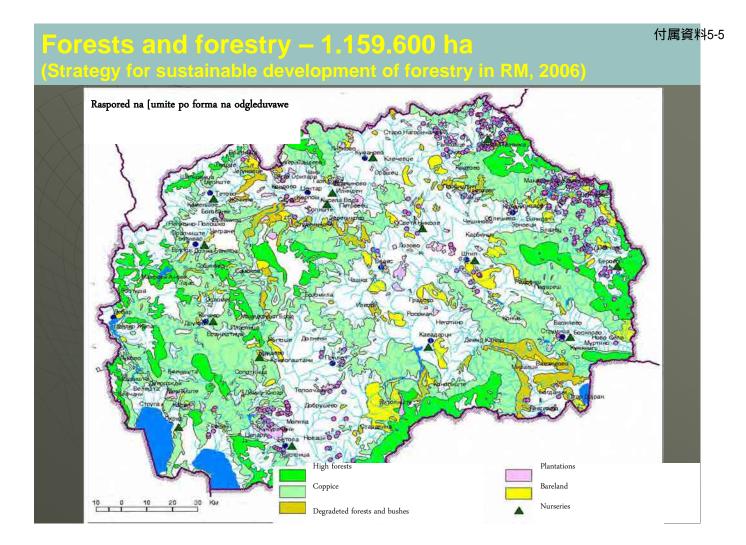
# FORESTS & FORESTY IN THE REPUBLIC OF MACEDONIA

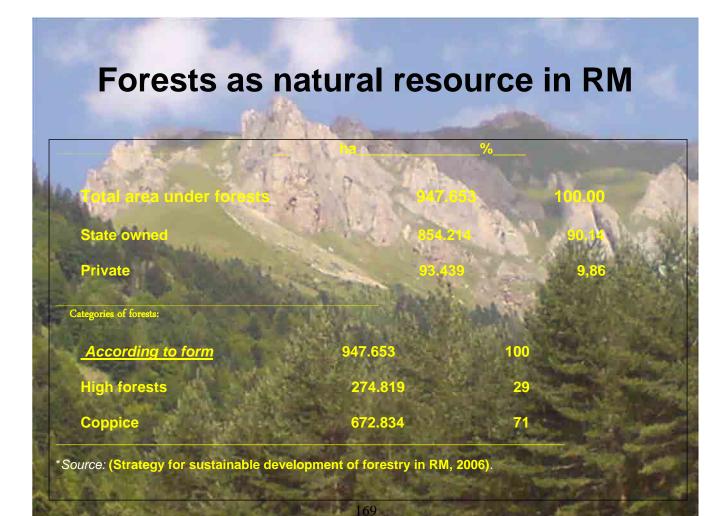
B. Sc. Vojo Gogovski 26 februari 2010 Skopje, R. Macedonia

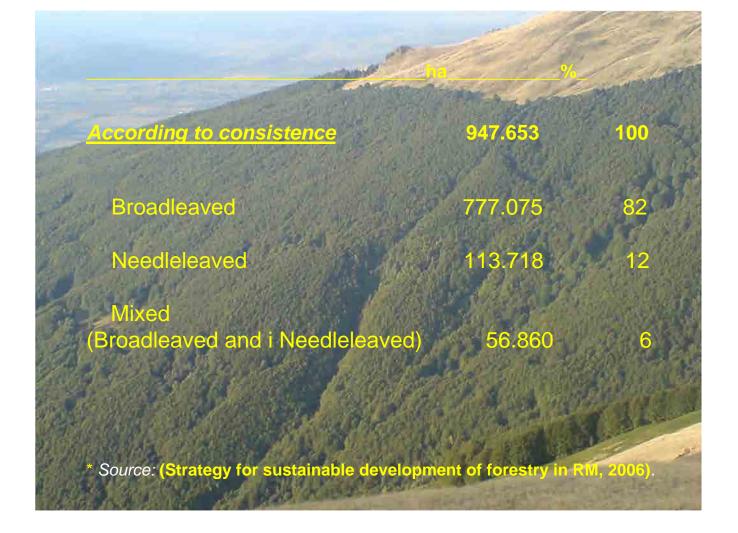


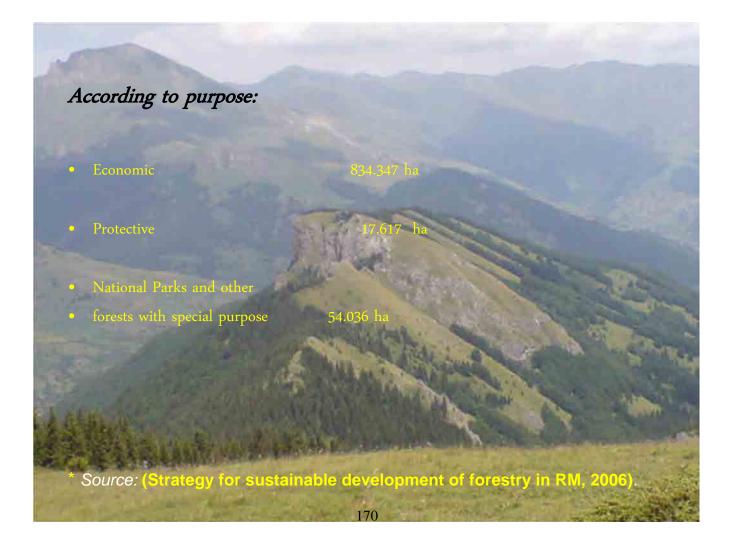
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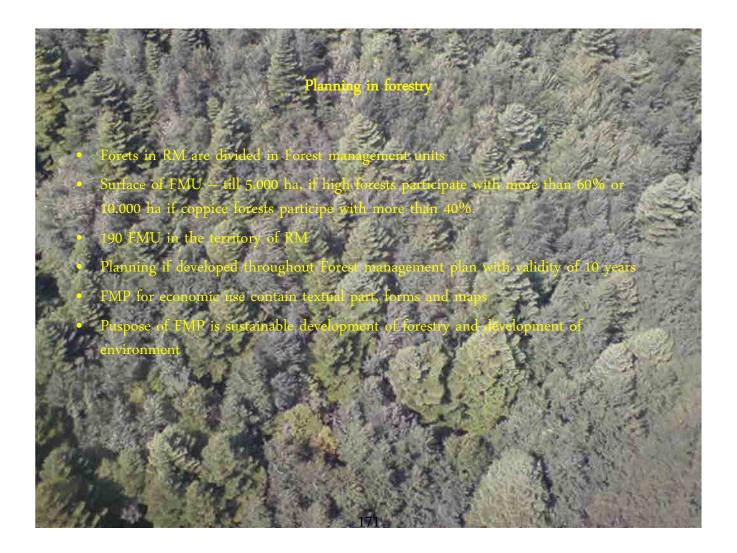












## Administration of forestry

Main responsibility:

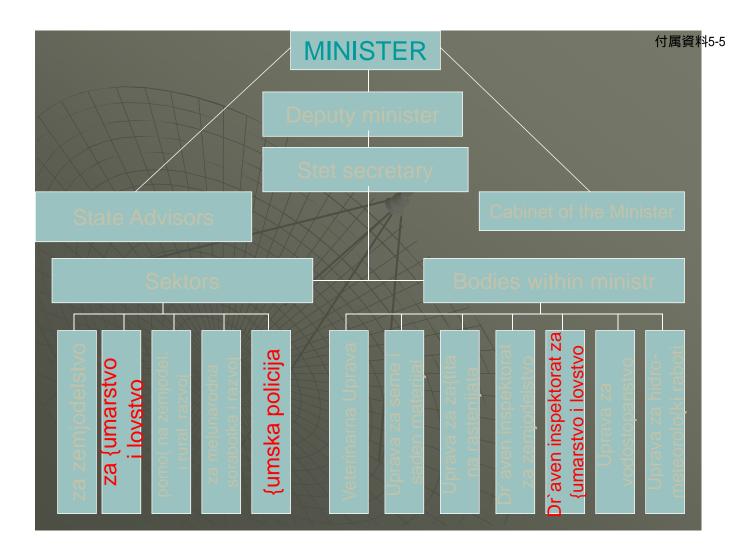
Ministry of agriculture, Forestry and Water Economy

Forestry and Hunting Department
Department for Forestry Police
State Inspectorate for Forestry and Hunting

# Management and utilization:

PE "Macedonian forests"

PI "National Parks"



### **Forestry and Hunting Department**

Head of department

### Deputy head of department

- Unit forutilisation and use of forests
- Unit for afforestation and breeding of forests
- Unit for protection of forests
  - Unit for hunting

- Department for Forestry and
- Head of Department
- Deputy Head of Department
- 300 employed (commanders, deputy commanders and forestry policeman) distributed in forestry police stations in RM

# State inspectorate for forestry and hunting

- Director
- Head of Department
- Deputy head of Department
- 5 Heads of Regional Units

22 Regional inspectors (with situation in regional units of MAFWE)

# <u>www.mzsv.gov.mk</u>

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