



Food and agriculture organization of the United Nations



Ministry of foreign affairs of Republic of Finland



Ministry of agriculture, forestry and water management of Republic of Serbia

Project GCP/FRY/003/FIN
“FOREST SECTOR DEVELOPMENT IN SERBIA”

**TERMINAL PROJECT RESULTS, CONCLUSIONS
AND RECOMMENDATIONS**

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National Project Coordinator**

Helsinki, 2 November 2009

Projects which support(ed) the process...

2007. NFG (Norway) “Program for forest sector of Serbia” (phase III)

2005. EFI - Finland “Capacity building in education and training in field of forest policy and economics in the West Balkan countries” (**FOPER project**)

2005. NFG (Norway) “Program forest sector of Serbia” phase II)

2005. FAO GCP/003/FIN “Forest Sector Development in Serbia”

2005. Obf Consulting (Austria) “Development of plan for implementation of reorganization of PE “Srbijasume”- through participation”

2004-5. CESO (Canada) technical support – PR Strategy of forest sector; ISO standards for state administration; preparation for forest certification

2004. NFG (Norway) “Program for forest sector of Serbia” (phase I)

2003. Directorate of Forests & OSCE –Preparation of law on forest reproductive materials (in use from the beginning of 2005)

2003. FAO TCP/YUG/2902(A) “Institutional development and capacity building for nfp of Serbia”

Few basic data on Serbian forests (without Kosovo)



Forest area: 2 252 400 ha (29.1%)

Volume: 362.5 mil. m³

160.9 m³/ha

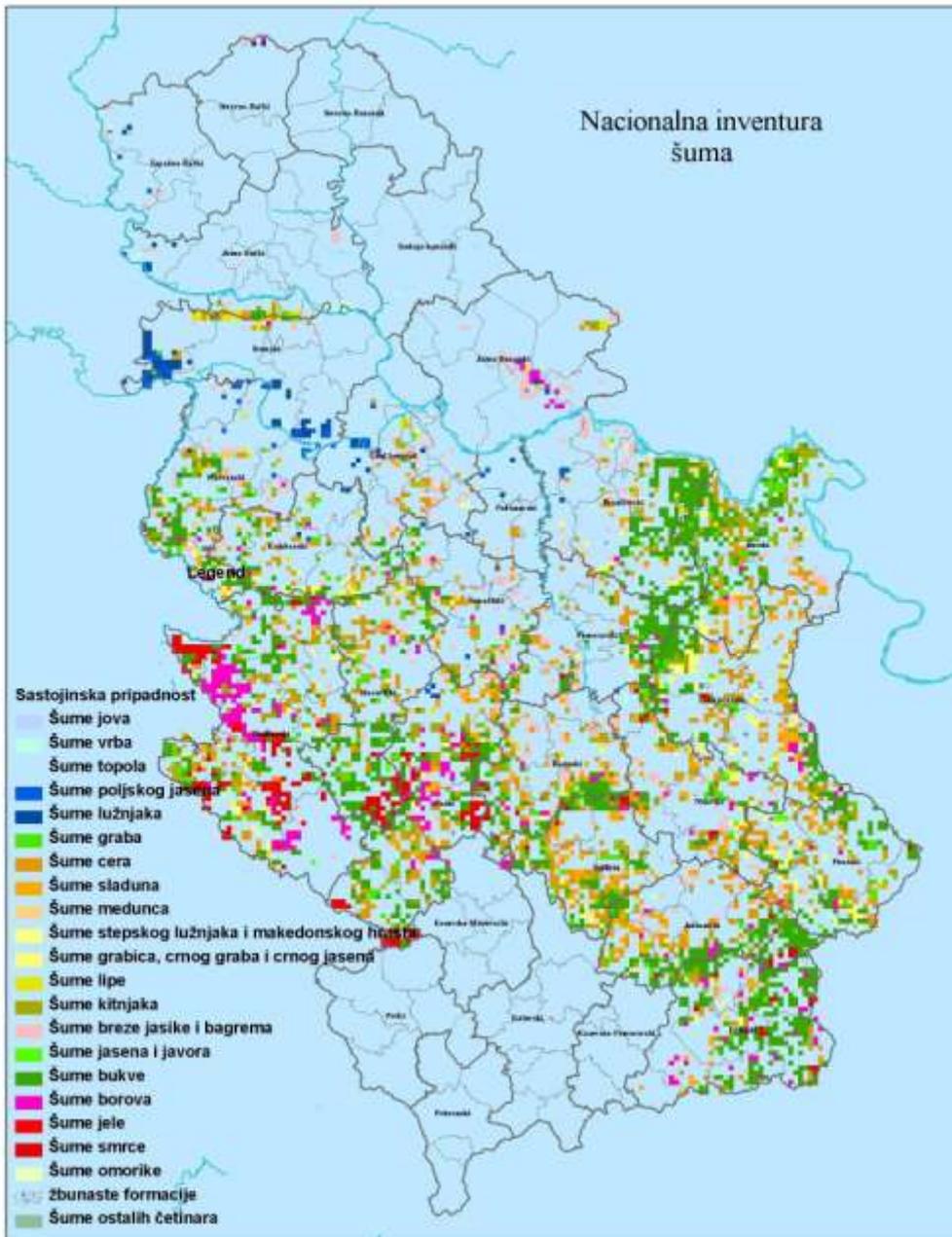
Annual increment: 9.079 mil. m³

4.0 m³/ha

No. of trees: 2 114 635 853 kom

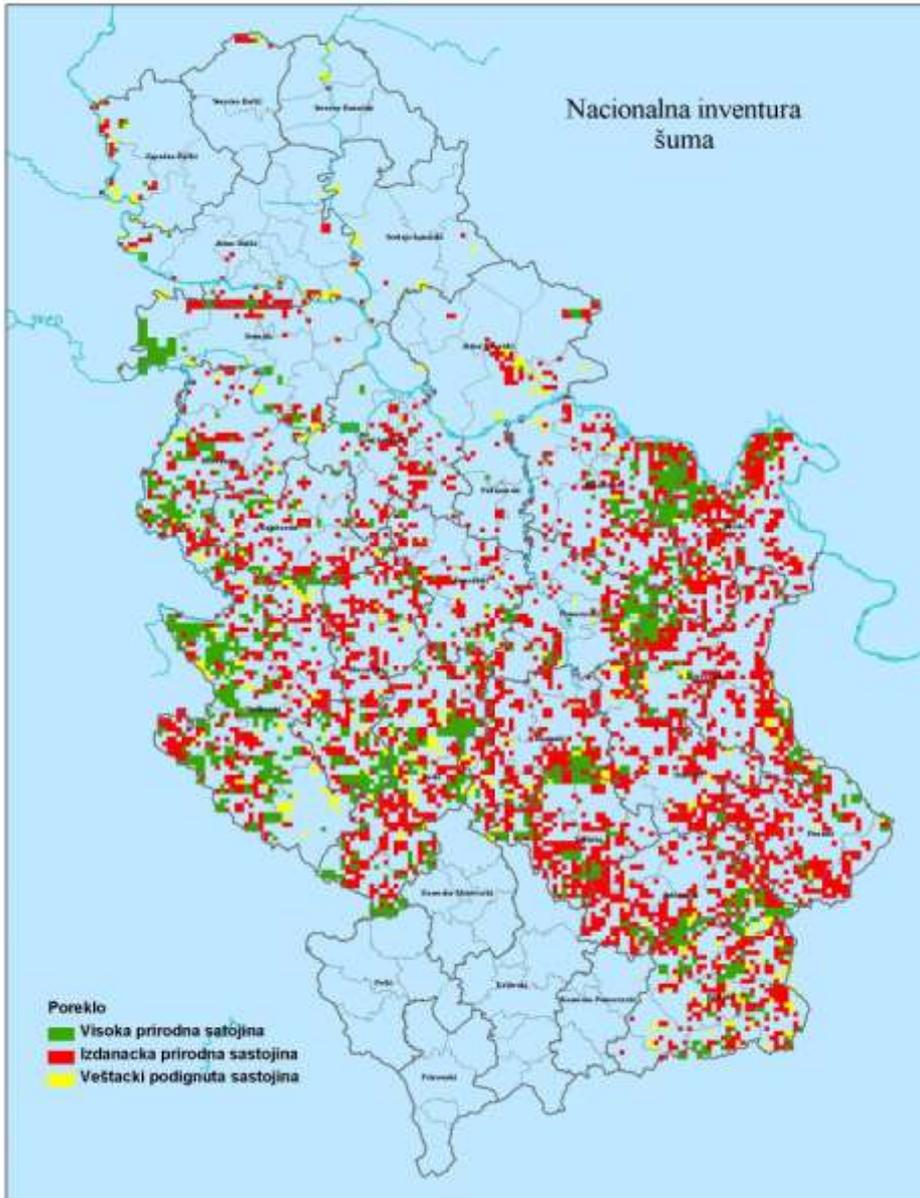
939 pcs/ha

Forests by species



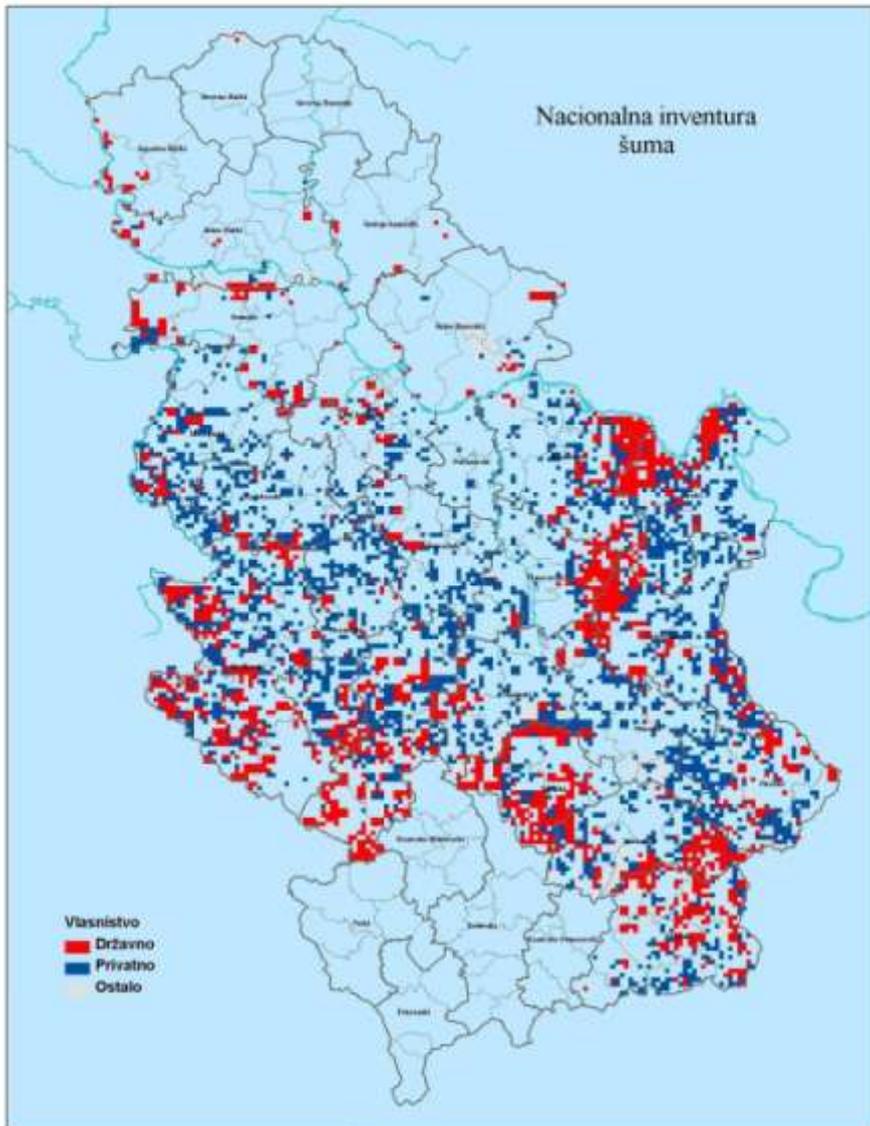
Forests	Area (ha)	%
Oak forests	720,800	32.0
Beech forests	660,400	29.3
Other	580,000	25.8
Conifer forests	243,200	10.8
Poplar plantations	48,000	2.1
TOTAL	2,252,400	100.0

By origin of stands (forests)



Stand origin	ha	%
High natural stands	621,200	27.6
Coppice forests	1,456,400	64.7
Plantations	174,800	7.8
TOTAL	2,252,400	100.0

By ownership



Ownership	ha	%
State	896,400	39.8
Private	1,175,200	52.2
Other	180,800	8.0
TOTAL	2,252,400	100.0

Total volume 262 mil m3

Forest Area 2.25 mil. ha

+ 1 mil ha (3.5 mil ha)

Annual incr. 9 mil. m3

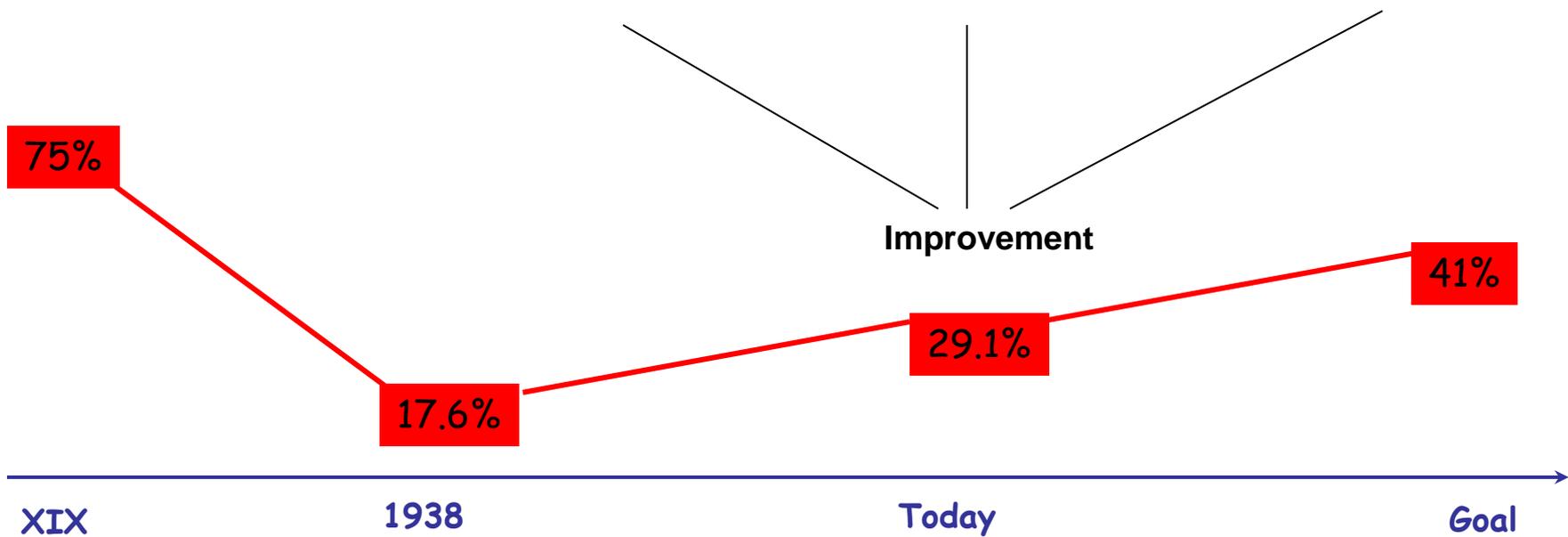
+ 5 mil m3

+ 5 mil m3

Annual cut 3 mil. m3

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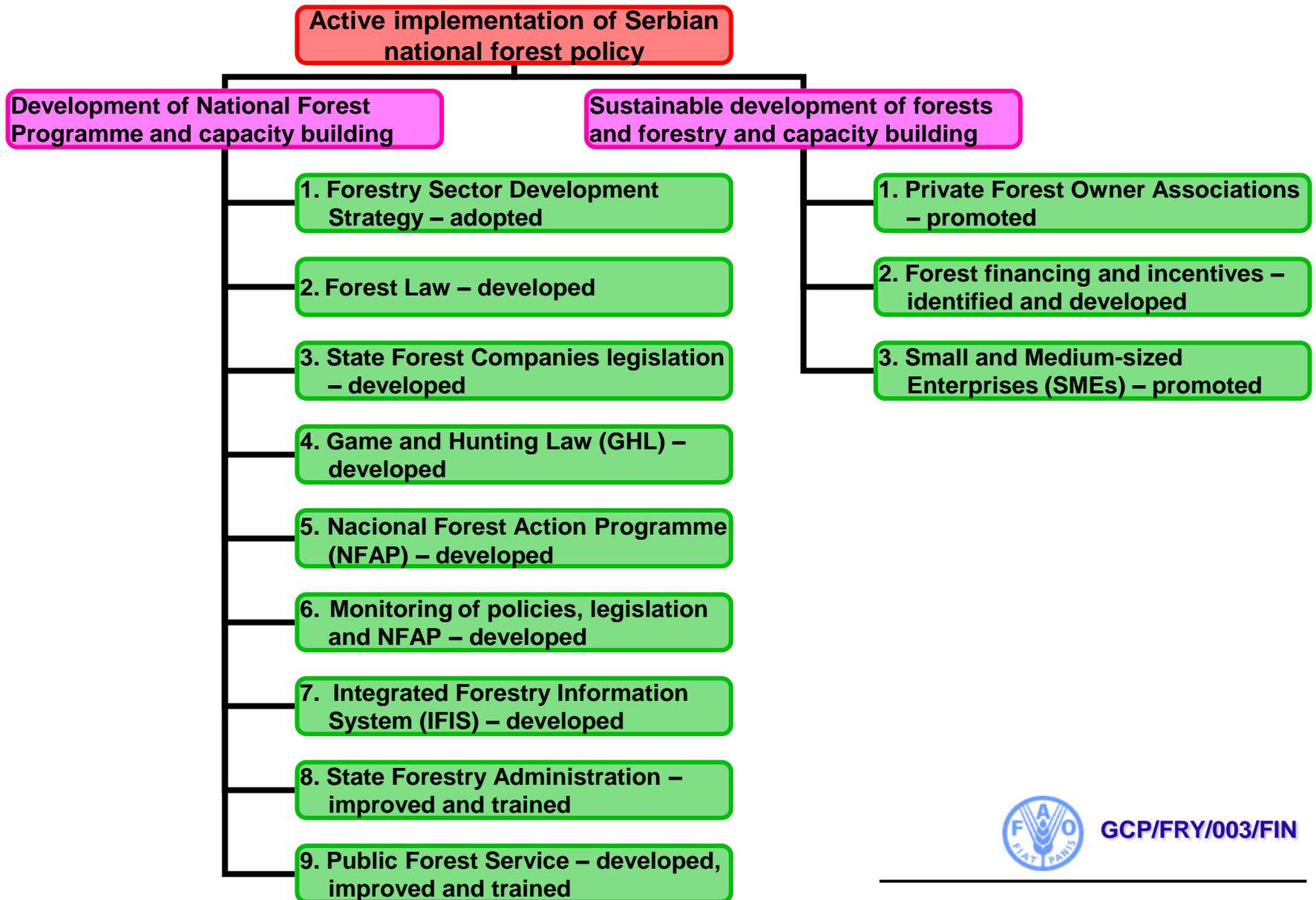
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Improvement

52.2 % Private
47.8 % State

FAO GCP project “Forest Sector Development in Serbia”



Forestry Strategy

1) Process & results:

- ✓ Expert-level proposals for improvement of the Draft Forest Policy (FP) prepared (in 2005)
- ✓ Advanced final draft FP prepared by the DF (in 2005/2006)
- ✓ FP document adopted (in 2006) by Government as a Forestry Strategy (FS)
- ✓ Strategy document published (2000 pieces) and distributed (in 2007)
- ✓ Draft DVD on 'Serbian Forests and Forestry' promotion prepared

2) Conclusion:

- ✓ The FS is an ambitious, multifunctional and inter-sectoral document providing long-term visions for sustainable forest and forestry and principal commitments of the Governmental support to it

ROLE OF THE STATE IN DEVELOPMENT OF THE FOREST SECTOR

ROLE OF THE SECTOR IN ECONOMIC AND SOCIAL DEVELOPEMNT, CONSERVATION OF NATURE AND ENVIRONEMENT

STATUS AND CARE ABOUT FORESTS – STATE , PRIVATE

STATUS AND CARE ABOUT GAME

PUBLIC INFORMATION AND RELATION

INTERNATIONAL AND REGIONAL COOPERATION

FOREST INDUSTRY AND MARKET OF PRODUCTS

FOREST EDUCATION AND

FOREST RESEARCH AND DEVELOPMENT

Forestry legislation

1) Process & results:

- ✓ Expert-level proposals and recommendations for development of forest law (FL) and state forest companies' (SFC) legislation prepared (starting in 2005)
- ✓ Technical support to drafting the legislation provided (from 2005 – 2007)
- ✓ Various non-complete draft versions elaborated by local WGs
- **No agreed SFC legislation concept prepared (only 3 different options)**
- ✓ Interim public debates on FL conducted (in June 2006);
- ✓ Final draft Forest Law (5.0) including general state forest use rights delivered (in November 2007) and made publicly available

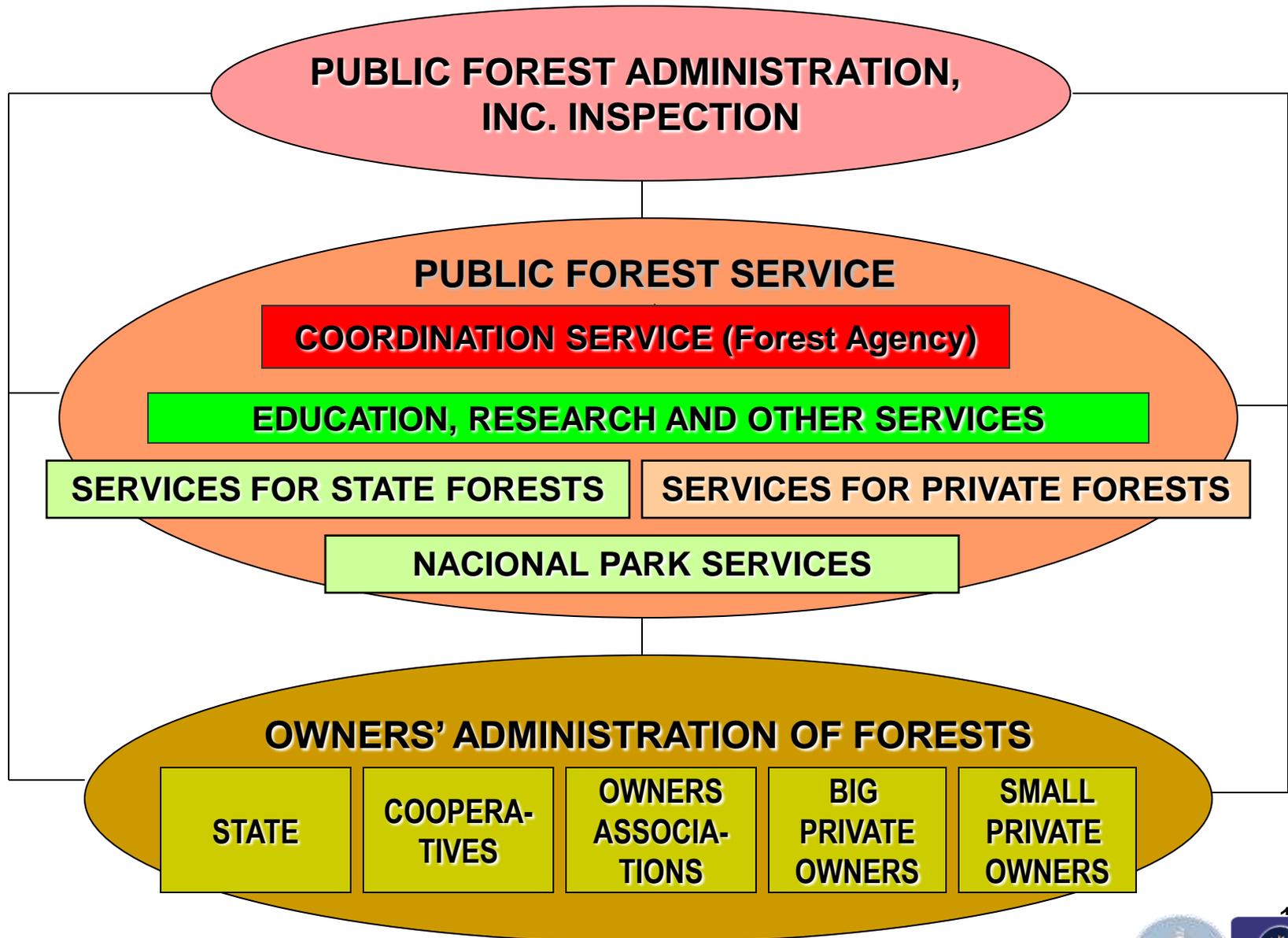
2) Conclusions:

- ✓ Comprehensive, developmental and ambitious DF law proposal comprising all relevant main chapters, including the general state forest utilization right.

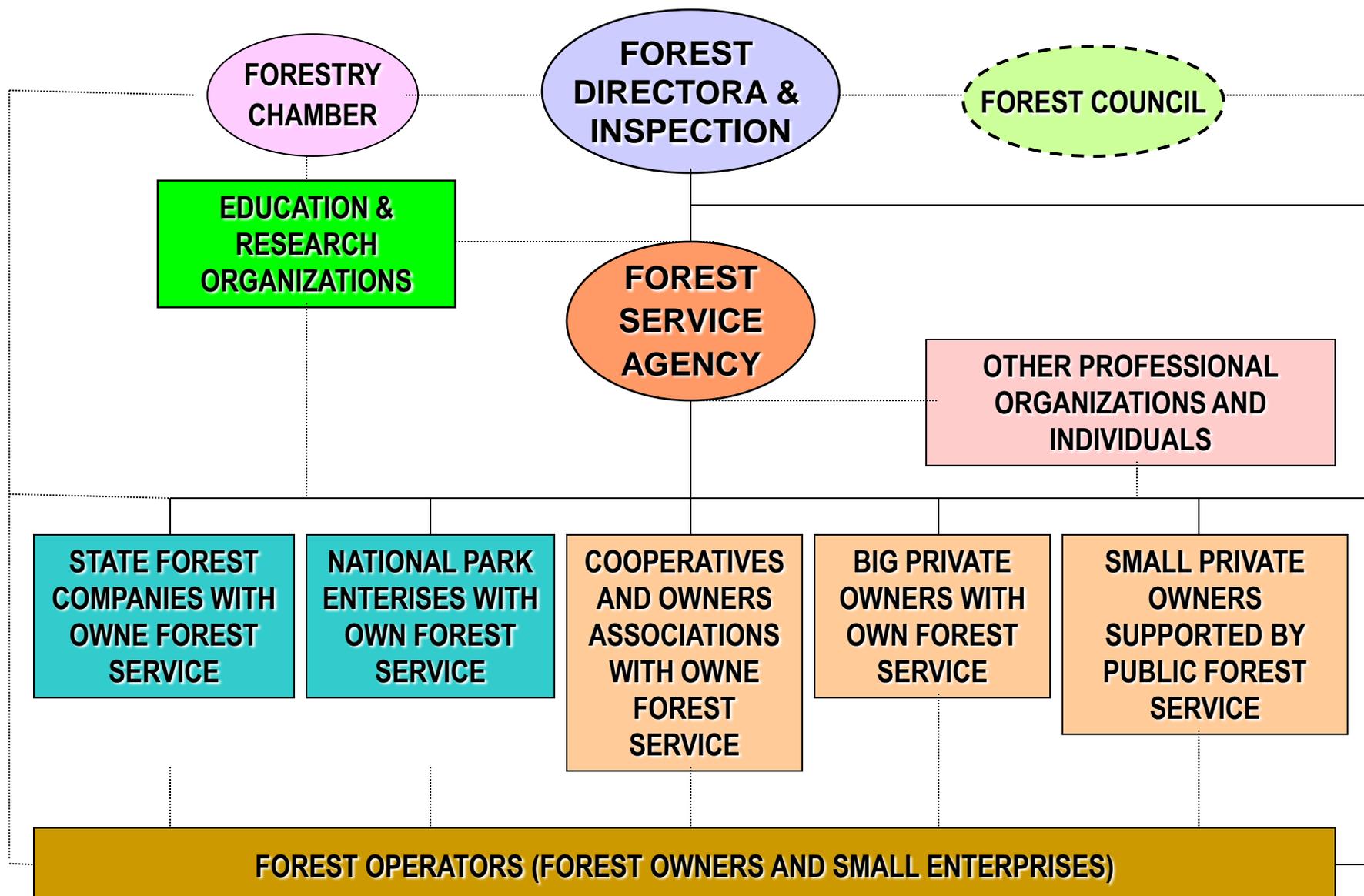
Draft Forest law (5.0) - Contents

- I. GENERAL PROVISIONS
- II. FOREST CONSERVATION
- III. FOREST PLANNING
- IV. FOREST MANAGEMENT
- V. FOREST INFORMATION SYSTEM
- VI. FORESTRY ORGANIZATION
- VII. PUBLIC FINANCING
- VIII. CONDITIONS FOR PERFORMING FOREST ACTIVITIES
- IX. FOREST LAND USE AND DISPOSAL
- X. SUPERVISION
- XI. PENALTY PROVISIONS
- XII. TRANSITIONAL PROVISIONS

NEW MODEL OF ORGANIZATION OF FOREST ADMINISTRATION IN SERBIA



NEW MODEL OF ARRANGEMENT OF FORESTRY ORGANIZATION IN SERBIA – FROM ASPECT OF PUBLIC ADMINISTRATION AND SERVICE FUNCTIONS



Game and hunting legislation

) Process & results:

- ✓ Expert-level proposals and recommendations for development of new Game and Hunting (GH) law prepared (in 2006)
- ✓ A few draft law versions elaborated by local WG working independently
- ✓ Central and regional-level public debates conducted and supported (in 2006 and 2007);
- ✓ Non-complete Draft Game and Hunting law (2.3) prepared and delivered (in September 2007);
- ✓ Technical revision of the draft conducted (in November 2007)

) Conclusions:

- ✓ Legally clear and substantially well structured document including the hunting planning reform and a few other hunting management reform elements for sustainable game management
- Land owners rights and their participation in hunting ground establishment, planning and management not respected
- Chapter on Organization of game and hunting not developed

Draft Game and Hunting law (2.3) - Contents

- I. GENERAL PROVISIONS ON GAME
- II. GAME PROTECTION
- III. HUNTING REGIONS AND HUNTING GROUNDS
(ESTABLISHMENT AND ALLOCATION - HUNTING RIGHTS)
- IV. HUNTING GROUND AND GAME PLANNING AND
MANAGEMENT
- V.
- VI. FINANCING
- VII. COMPENSATION OF DAMAGES
- VIII. SUPERVISION
- IX.
- X. TRANSITIONAL PROVISIONS

National forest valuation and financing

1) Process & results:

- ✓ Study on Serbian Forest valuation
- ✓ Study on Serbian Forest financing

2) Conclusions:

- ✓ Valuation study provides useful methodology and arguments for TEV of Serbian forest (e.g. forest products values 6 – 9 times higher than currently registered)
- ✓ Financial study provides comprehensive assessment of all forest financing needs and sources with concrete financial scenarios

National forest action programme

1) Process & results:

- ✓ Human capacities for facilitation of the process (workshops, a conference, WG sessions, TC meetings) and the NFAP elaboration built-up by consultants, special studies and Project team
- ✓ Technical framework, including possible thematic structure of NFAP, and methodology for its planning and elaboration, prepared by Project team
- ✓ Technical bases / studies for the NFAP document prepared from local WGs coordinators, financial ones from NFAP financing specialists
- ✓ First-expert and public discussions on the NFAP materials conducted
- **Draft political NFAP document not prepared yet (matter of non-cost Project extension till April 2010)**

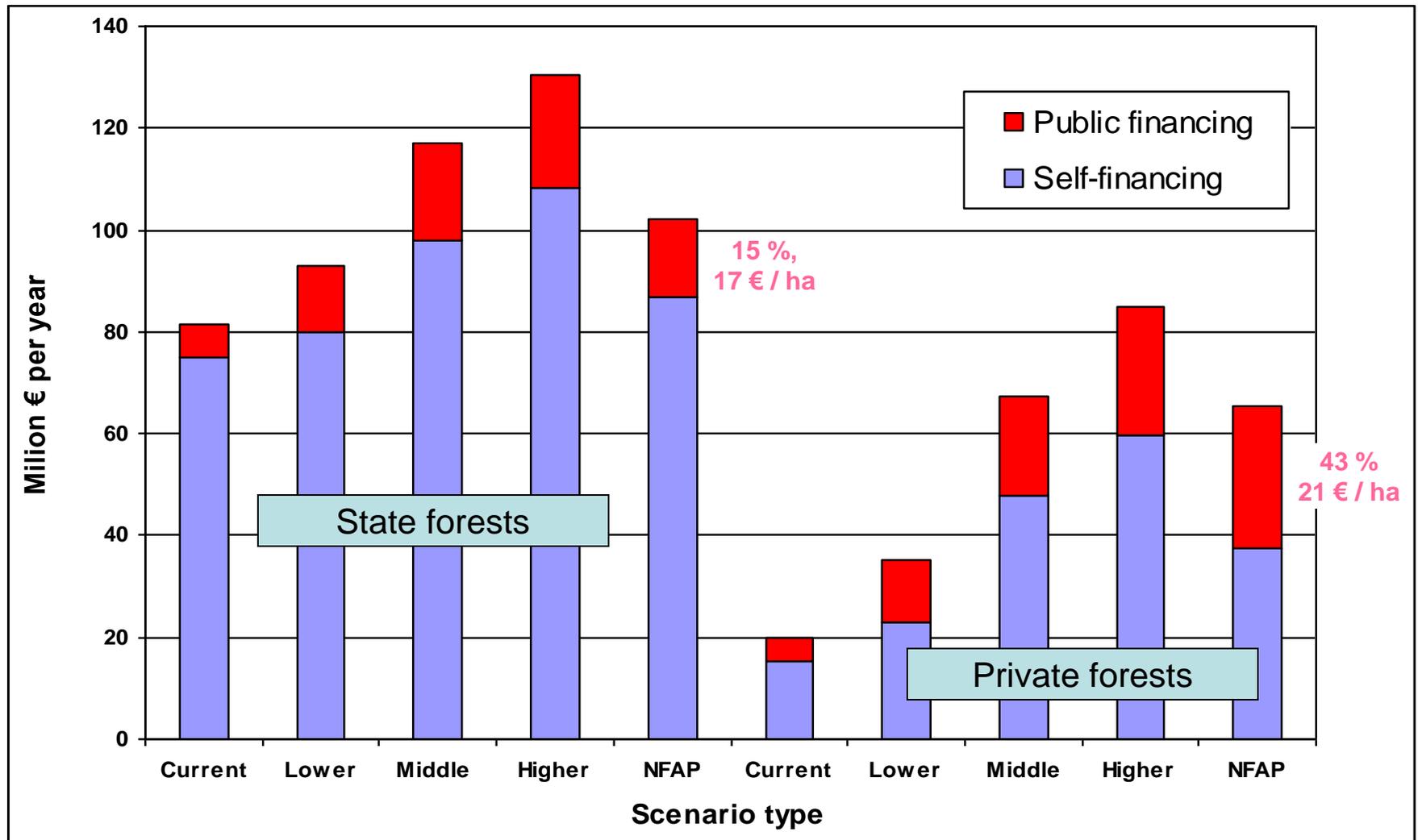
2) Conclusions:

- ✓ Participation of a large number of experts in preparation of NFAP technical bases,
- ✓ Extensive strategic planning work done based on previous studies

Draft NFAP - Contents

- I. FOREST MASTER PLAN, *containing e.g:*
 - *Maximum allowable cut*
 - *Afforestation,*
 - *Forest protection and conservation of natural values,*
 - *Tending, rejuvenation and reconstruction of high forests,*
 - *Conversion of coppice forests*
 - *Building and maintenance of forest roads*
- I. PUBLIC FORESTRY REORGANIZATION AND FUNCTIONING PLAN
- II. PLAN FOR OTHER FOREST AND FORESTRY SUPPORT ACTIVITIES AND MEASURES, *containing e.g:*
 - *Forest inventories, monitoring, integrated information system,*
 - *Forestry education and research,*
 - *Direct support to forests and forest owners, and*
 - *Promotion of wood and wood industry*

Current forest financing situation and future needs in Serbia as calculated within Study scenarios and Draft NFAP



Anticipated effects of planned NFAP measures

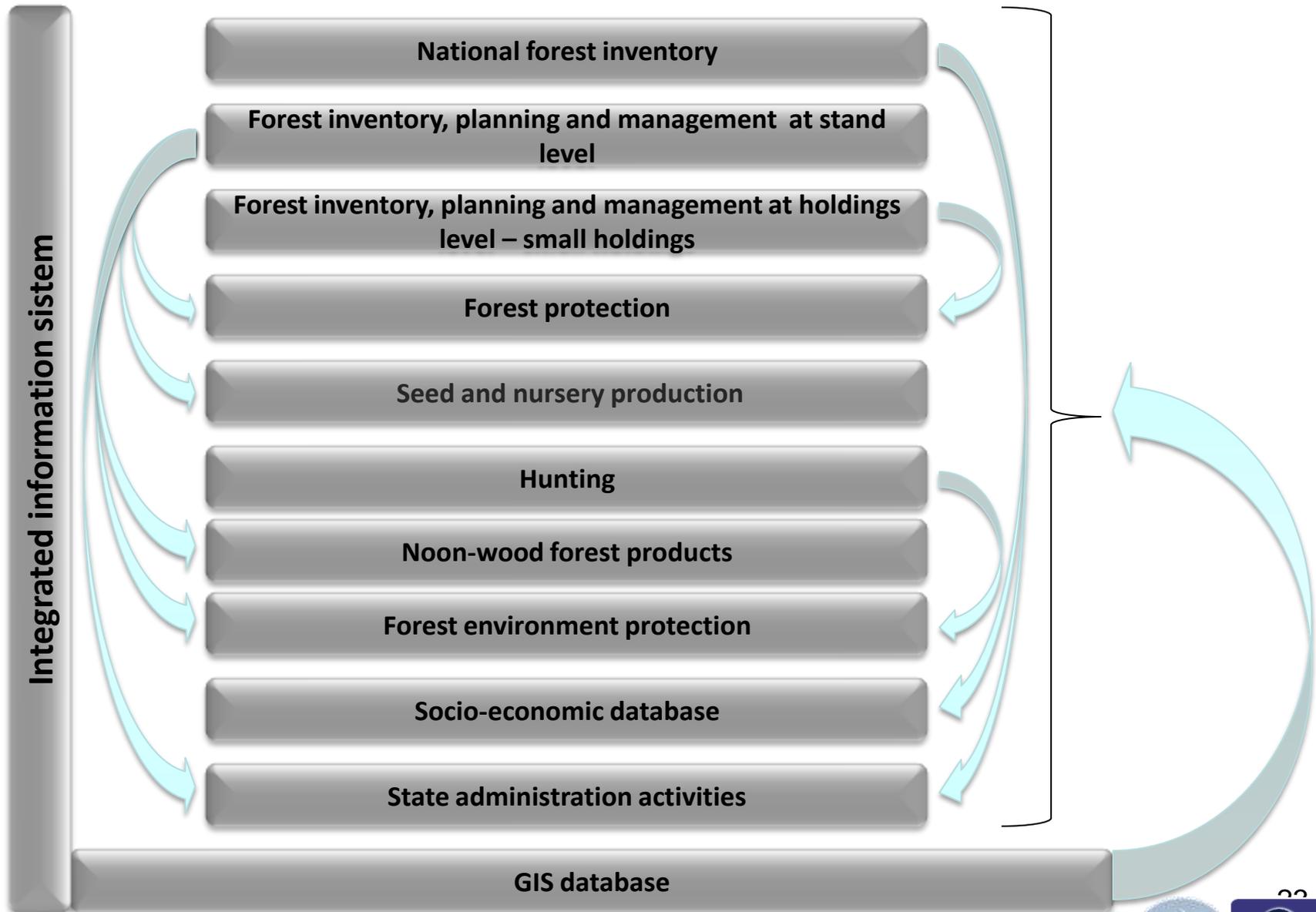
ECOLOGICAL EFFECTS	SOCIAL EFFECTS	ECONOMIC EFFECTS
<ul style="list-style-type: none"> - Increased forest growing stocks (from 10 – 20 cubic meters per hectare in 10 years) - Higher stability, biodiversity and health forest condition - New areas under forests (90.000 hectare in 10 years) - Higher carbon sequestration (6 000 000 t in 10 years) - Decreased negative effects of wind and water erosion, - Decreased negative effects of pollutions, - Reintroduction of autohtonous tree species on former forest lands - Effective environmental protection - Increasing of landscape diversity - Contribution to the implementation of Natural Resource Sustainable Development Strategy 	<ul style="list-style-type: none"> - Increase contribution of forestry to conservation and protection of nature values in forest ecosystems, - Increased share of protected forest areas - Increased contribution of forestry to improvement of living conditions in rural areas - Increased attention given to social forest functions and services - Improvement living conditions in urban areas and favorable effects on people's health - Significant contribution of NFAP to implementation of national Strategy of nature protection - Significant contribution of NFAP to implementation of national Rural Development Strategy 	<ul style="list-style-type: none"> - Increase of TEV of forests (at least 30% higher value at the end of 10-years period) - Increase in annual wood felling (at least 40%) and the resource base for wood industry - Increase of NWFP harvesting - Increased extent of forest operations (from utilization to biological and technical investments) up to 70% directly created significant additional employment possibilities - favorable economic effects on other sectors (agriculture, water management, wood industry, tourism...) - Higher planning security and more sustainable business environment, particularly in private sector - Significant contribution to the implementation of National Sustainable Development Strategy

Integrated forestry information system and monitoring

1) Process & results:

- ✓ An Integrated Forestry Information System (IFIS) study, including individual sub-systems and parameters for monitoring, based on national and national requirements, elaborated by local sub-contractor (still in process)

IFIS concept - databases



Public forestry administration & service

1) Process & results:

- ✓ Training needs assessment and planning done
- ✓ Human capacities for forestry inspection service and extension service (training of trainers, training of foresters, workshops, study visits) built-up (13 qualified trainers and 51 trained foresters among inspectors and extensionists)
- ✓ A Study on new public administrations & service implementation model prepared
- ✓ Organizational and functional reforms of Inspection service and Services for private forests, including new Coordination unit for forestry extension planned
- ✓ Forestry inspection and service for private owners started to change their approaches

2) Conclusions:

- ✓ Significant capacity building contributions becoming slowly sustainable
- ✓ First steps in organizational and functional reform made

Forest owners' associations and small forest-based enterprises

1) Process & results:

- ✓ Forestry extension training needs assessment on pilot level done
- ✓ Promotion of forest owners' associations on pilot level performed (including by study visits abroad)
- ✓ Currently 13 new associations
- ✓ Human capacities for (by two missions, trainings, workshops, study visits) built-up for 7 MA & D trainers
- ✓ Identification of promising products and appurtenant business plans for 5 new SMEs prepared, 2 SMEs newly registered
- ✓ Technical bases on that matters for Study on public administrations & service and the NFAP prepared
- ✓ MA & D methodology translated to Serbian and made publicly available

2) Conclusions:

- ✓ A successful pilot level approach with human capacities and organizational framework concept built-up

Summary Project contributions

- 1) Improvement and adoption of forestry strategy document
- 2) Revision of forestry legislation, including state forest use issues
- 3) Revision of hunting legislation
- 4) Elaboration of national forest valuations and financing studies
- 5) Elaboration of technical bases for national forest action programme document
- 6) Elaboration of an integral forestry information system design, including monitoring;
- 7) Elaboration of a study on implementation of new public forest administration and service model and the policy of public support to private forest owners, their associations and SMEs;
- 8) Pilot promotion and establishing of forest owner's associations and SMEs;
- 9) Human capacities built-up on all the above fields
- 10) Production of a film on "Serbian forests" and other public awareness-raising material

Summary recommendations

- 1) Assure public financial support to implementation of the adopted Forestry Strategy and its national forestry action programme (when adopted)
- 2) Adoption of proposed forest law, after some additional improvements are made, particularly the restructuring of public forestry enterprises
- 3) Adoption of new game and hunting law, after its finalization based on more balanced ecological, economic (i.e. ownership) and social principles
- 4) Assure implementation of adopted legislation
- 5) Implement the integral forestry information system after it is designed and assure public financial means for it;
- 6) Implement the public forest administration and service reform and provide continuous capacity building
- 7) Assure (direct and indirect) public support to and promotion of private forest owners, their associations and SMEs
- 8) Assure public education and promotion of sustainable forest management and development.

Social aspects of Project implementation

- 1) **Demanding Project objectives anticipating the carrying out the reform and transition of forest sector in to short period**
- 2) **Project implementation based on national consultants – their possible contributions overestimated;**
- 3) **International consultants' resources only available for initiation of processes – problem to assure sustainability in implementation of their recommendations (except in forestry and SME extension)**
- 4) **Consequently, very much technical support needs for CTA**
- 5) **Permanently uncertain / unstable political situation in all the second part of the Project duration**
- 6) **Resistance against reforms and even obstructions of the Project from main forestry stakeholder(s)**
- 7) **Personal interests usually beyond the national interests in Serbia**
- 8) **Permanent delays in fulfillment Project tasks and / but realization of thinks in the last minute**

PROJECT ASSOCIATES AND EXPERTS

Projektni tim

1. Mr Franc Ferlin
2. Predrag Jović
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8. Gordana Ivanović
9. Dr Milan Medarević
10. Dr Ratko Kadović
11. Radivoje Kaurin
12. Bratislav Kisin
13. Dr Vlade Zarić
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16. Dr Slavko Bogdanović
17. Dr Dijana Marković-Bajalović
18. Mr Vera Nikolić
19. Stevo Sekulić
20. Jovan Bajić
21. Mr Nenad Petrović
22. Dr Sasa Orlovic
23. Branislav Seratlić
24. Slađan Antić



Technical documentation

Basics for NFAP:

- a) Ecological and social functions of forests
- b) Economic (productive) functions of forests
- c) Public forest service
- d) For. planning, supervision and evaluation of NFAP implementation, and PR
- e) Education, research and development in forestry

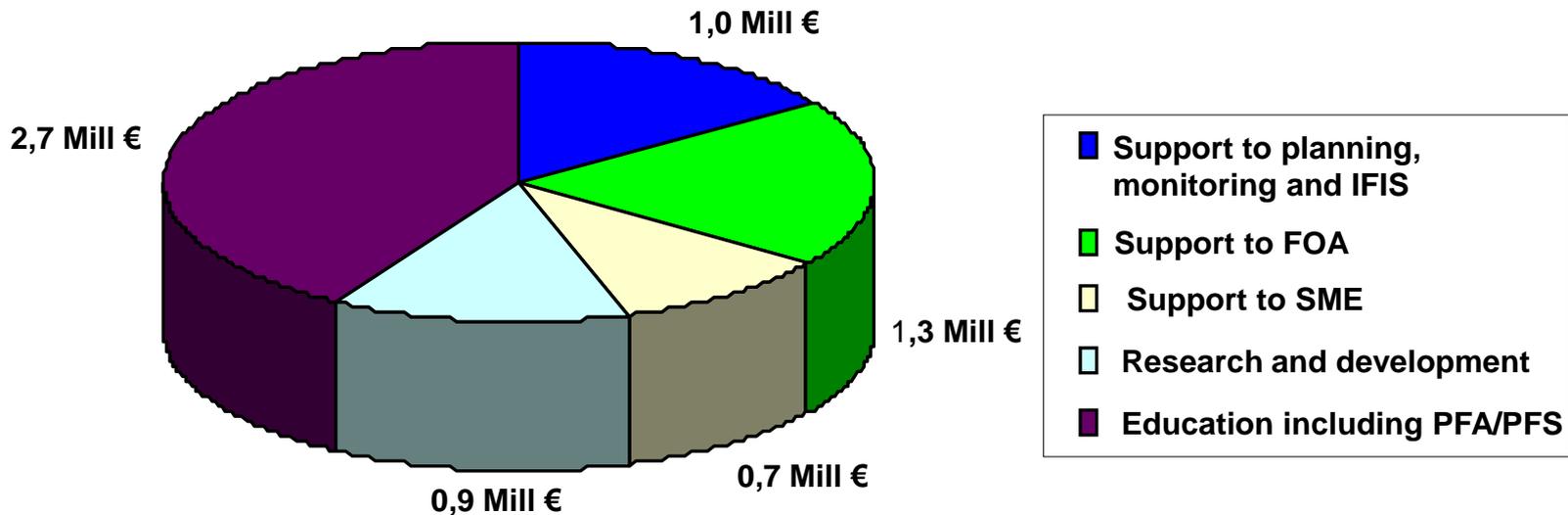
STUDIES:

1. Study on Forestry Financing
2. Study on Forest Functions and Services Evaluation
3. NFI-Results
4. Study on organization of Public forest service
5. Strategy on Human resources development (for PFS)
6. Study on IS development

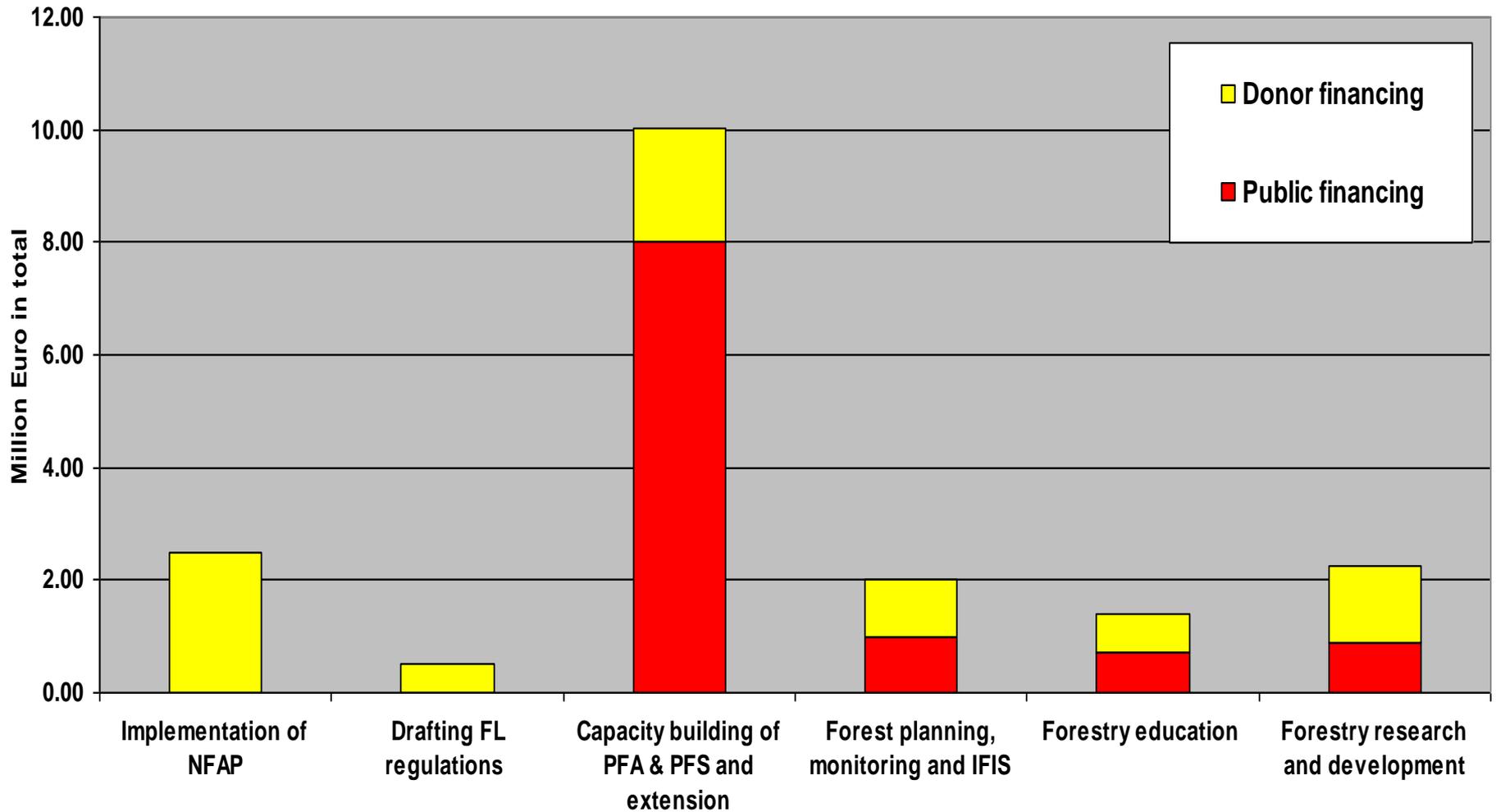


Plan of funds needed for other public support to forests and forestry

Type of support
Total – 6.5 Million € per year



Capacity building, research & development needs from the aspect of NFAP public financing sources and possible additional donor founding



A photograph of a forest with tall, thin trees and a grassy clearing. Sunlight filters through the trees, creating a bright, hazy atmosphere. The foreground is filled with green grass and some purple flowers.

THANK YOU!

FAO/GCP/FRY/003/FIN

“FOREST SECTOR DEVELOPMENT IN SERBIA” (2005 - 2008)