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# Summary of Activities Linked to Inventory in Chokatauri District

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## Summary

Activity description: Provide support to the activities related to forest management planning in Chokhatauri municipality (activity No. 4.6)

Priority area 4: Forest Case Studies



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## Activity Goals

Develop and provide valuable information for forest management planning in Chokhatauri district, namely:

- Provide stakeholders with general information on categorization scheme;
- Ensure inclusion of Climate Change aspects in the forest management plan;



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## Activity Components

- *Assessment of the role of Chokhatauri forests in Climate Change mitigation and adaptation;*
- *Analysis of forest categorization in Chokhatauri district, including development of a categorization map.*



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# The Role of Forests in Climate Change Mitigation and Adaptation – Findings

## Climate Change scenario for Chokhatauri:

- *Increase of the average temperature by 1.2<sup>0</sup>C (in 2021-2050 period, compared to 1990);*
- *Increase of the average temperature by 3.1<sup>0</sup>C (2071-2100);*



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# The Role of Forests in Climate Change Mitigation and Adaptation – Findings

The carbon cycle calculation for Chokhatauri (IPCC meth):

Forest	Accumulated Carbon (C) th.t	Accumulated Carbon (C) ha/t	Absorption of CO <sub>2</sub> th.t	Absorption of CO <sub>2</sub> ha/t
Coniferous 1988	1173	143	4301	524
Coniferous 2017	959	123.3	3516	452
Difference	-214	-19.7	-785	-72
Deciduous 1988	3411.6	72	12509	-264
Deciduous 2017	3218.4	67	11800	-245
Difference	-193.2	-5	-709	-18
Total forest 1988	4584.6	82.1	16810	301
Total forest 2017	4177.4	74.8	15317	274
Total difference	-407.2	-7.3	-1493	-27



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## The Role of Forests in Climate Change Mitigation and Adaptation – Conclusions

- *Serious changes are expected in the Chokhatauri forest (changing of tree species, increased vulnerability of forests to fires and tree diseases);*
- *Reduced carbon accumulation in forests (on 17 t/ha, from 99 to 82 in Borjomi-Bakuriani and on 7.3 t/ha from 82.1 to 74.8 in Chokhatauri), compared to the inventories of 80-90s of the previous century;*



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## The Role of Forests in Climate Change Mitigation and Adaptation – Conclusions (cont.)

- *There is a need to increase the efficiency of forest management, increase forest productivity, develop silvicultural activities, support to natural regeneration of forest;*
- *Elaboration of a climate resilient, sustainable forest management plan for Chokhatauri forests has paramount importance.*





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## Forest Categorization in Chokhatauri District- Actions Taken

- *Review of current forest management plan;*
- *Assessment of current demands of the local population on forest resources;*
- *Analysis of existing legal requirements on forest categorization with specific consideration of HCV forests;*
- *Development of a rating system on conducting a categorization and a categorization map;*



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## Forest Categorization in Chokhatauri District- Suggested Categorization Scheme

- *On 44,042 hectares of the Chokhatauri Forest Unit there are only soil protecting and water regulating category of forests;*
- *These forests are then divided into the forests having commercial (7,869ha, 18.5%) and protective (34,537ha 81.5%) functions;*
- *The protective forests are divided into 15 different “Special Function Purpose Forests”, with prohibited or limited commercial activities;*



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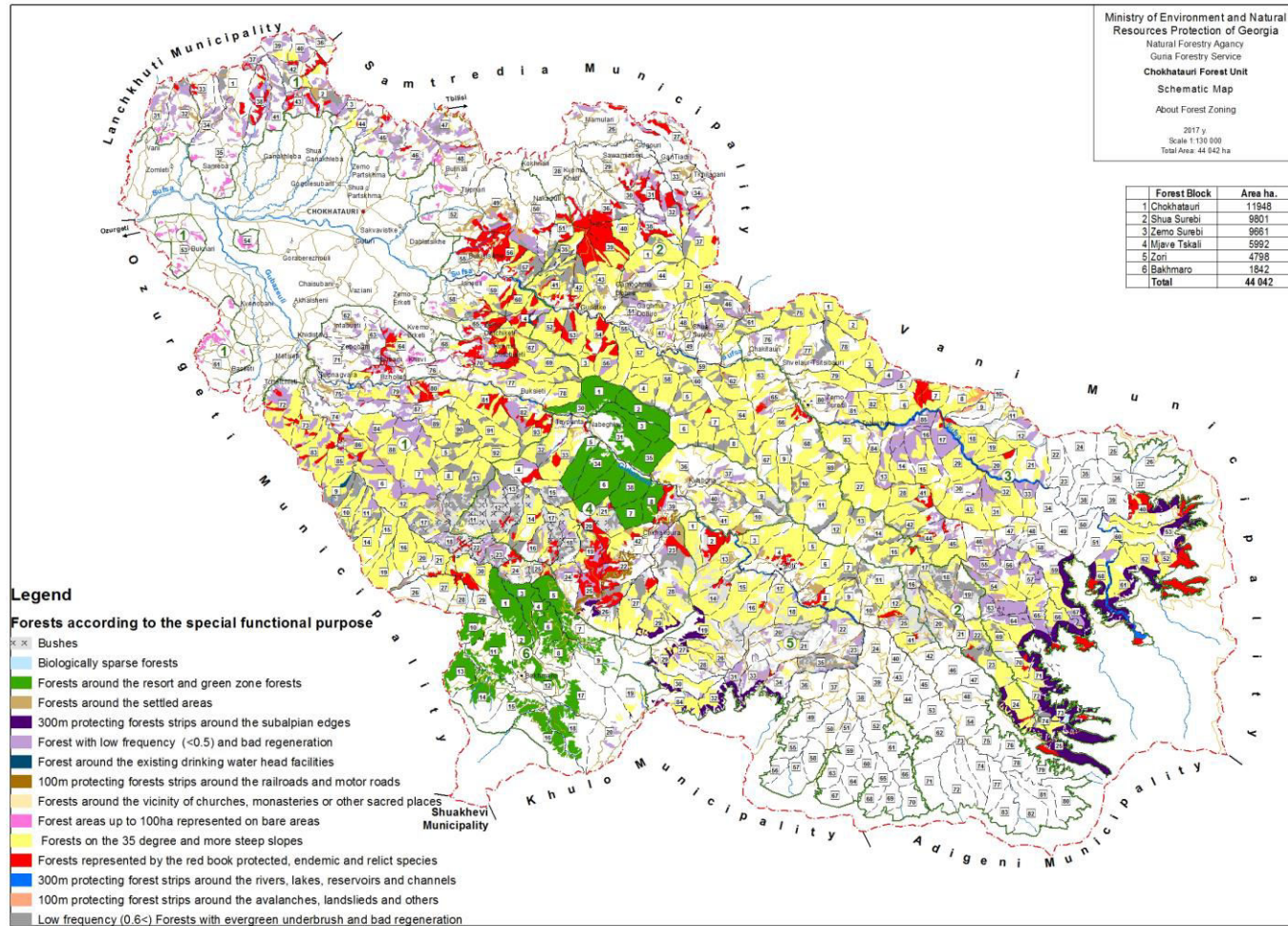
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# Suggested Categorization Map





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# Thank you



## SUPPORT IN SUSTAINABLE, CLIMATE RESILIENT FOREST MANAGEMENT PLANNING IN CHOKHATAURI MUNICIPALITY, GEORGIA

### Executive Summary

Developed by: Merab Sharabidze



Tbilisi 2017



## Development of Forest Categorization System for Chokhatauri Forest Unit Executive Summary

Developed by: Zaliko Daushvili  
Date: November 2017



Tbilisi, 2017