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Regional Workshop on Implementation of Phytosanitary Standards in Forestry

Nikoloz Meskhi

Deputy Head of Phytosanitary Department

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Territory of the country covered by forest

Forests in Georgia are
owned by the state.

Total forest area - **2 m. 988
thousand ha**

Forest cover (pure forestry)
- **2 m 767,3 thousand ha**
(40% of the country's
territory)

Mountain forest– 98 %
Plain forest– 2%





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Forest resources in Georgia

400 wildy growing species of trees and scrubs of the 123 botanical genus ;

- 153 species of trees;
- 202 species of scrubs;
- 11 species of lianas;

Endemic species:

- 61 Georgian
- 43 Caucasian



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Endemic species for Georgia:

- *Betula Raddeana* trautv.
- *Betula Megrelica* S.Sosn.
- *Quercus imeretina* stev.
- *Pinus pithyusa* stev.
- *Berberis iberica* Stev.
- *Thelycrania armasica* Sanadze
- *Ulmus georgica* Schchian.
- *Corylus Colchica* Albov.
- *Corylus iberica* wittm
- *Amygdalus georgica* Desf.
- *Pyrus sachokiana* kuthath.
- *Ulmus georgica* Schchian.



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Main forestry pests in Georgia



Operophtera brumata



Erannis defoliaria



Hyphantria cunea



Lymantria dispar



Euproctis chrysorrhoea



Cydalima perspectalis



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Ips typographus



Tomiscus minor



Tomiscus piniperda



Ips acuminatus



Cerambyx cerdo



Dendroctonus micans



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Cryphonectria parasitica



Cylindrocladium buxicola



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Forest maintenance and restoration department activities against pests:

26 267 ha conifer stands was researched in southern part of Georgia (Samtskhe-javakheti Region) 2011 – *Ips typographus*

- 5000 pheromone traps (*Ipsowit*), 2013
- 4 696 pheromone traps (*Ipsowit*), Samtskhe-Javakheti region, 2014; 4 835 800 beetles detected
- 5000 pheromone traps (*Ipsowit*), conifer stands in Samtskhe-Javakheti region, 2015...

Deciduous forest - on 2000 ha, the mottled moth and winter moth (*Erannis defoliaria*/*Operophtera brumata*)



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- In 2014, 2000 ha was treated with air spraying against Geometridae (*Erannis defoliaria*/*Operophtera brumata*)
- In 2015, about 700 ha was treated;
- In both cases, insecticide Lepidocid SK-M was used.

In Western Georgia, Boxwood blight (*cylindrocladium buxicola*) is spread on 2000 ha approx.

❖ - *Buxus colchica* - red list species

So far, no measures have been taken against this pest...



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Forest quarantine pests (not registered in Georgia), as defined by Governmental Decree (annex 10) #429 of December 31, 2010.

Insects:

- | | |
|---|-----------------------------------|
| 1. Agrilus planipennis Fainmaire | 8. Ips confusus & I. paraconfusus |
| 2. Anoplophora glabripennis Mots. | 9. Ips grandicollis |
| 3. Arrhenodes minutus (as a putative vector of Ceratocystis fagacearum) | 10. Ips lecontei |
| 4. Choristoneura conflictana | 12. Ips pini |
| 5. Dendrolimus sibiricus | 13. Ips plastographus |
| 6. Dendrolimus superans | 14. Lymantria dispar L. |
| 7. Ips calligraphus | 15. Malacosoma americanum |
| | 16. Malacosoma disstria |
| | 17. Megaplatypus mutatus |



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- | | |
|--|--|
| 18. <i>Melanotus communis</i> | 31. <i>Pseudopityophthorus</i> |
| 19. <i>Metamasius hemipterus</i> | <i>minutissimus</i> |
| 20. <i>Monochamus</i> spp.
(vectors of <i>B. xylophilus</i>) | (as putative vectors of |
| 21. <i>Monochamus alternatus</i> | <i>Ceratocystis fagacearum</i>) |
| 22. <i>Monochamus carolinensis</i> | 32. <i>Pseudopityophthorus</i> |
| 23. <i>Monochamus marmorator</i> | <i>pruinus</i> (as putative vectors of |
| 24. <i>Monochamus mutator</i> | <i>Ceratocystis fagacearum</i>) |
| 25. <i>Monochamus nitens</i> | |
| 26. <i>Monochamus notatus</i> | |
| 27. <i>Monochamus obtusus</i> | |
| 28. <i>Monochamus scutellatus</i> | |
| 29. <i>Monochamus titillator</i> | |
| 30. <i>Pissodes nemorensis</i> | |



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Fungus

1. *Ceratocystis fagacearum* (and its putative vectors *Arrhenodes minutus*, *Pseudopityophthorus minutissimus* and *P. pruinus*)
2. *Cronartium quercuum*
3. *Melampsora medusa*
4. *Mycosphaerella gibsonii*




Bacteria

1. *Ca. Phytoplasma ulmi*' (Elm phloem necrosis)

Nematodes

1. *Bursaphelenchus xylophilus* (Steiner et Burher, 1934) Nickle, 1970

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Name of the material	Exporting country	Amount
Export 2013		
Bamboo, kg	Germany	22020
Bamboo, unit	Azerbaijan	3500
bamboo, m ³	Ukraine	200
Grapevine shoots, unit	Italy, Moldova	210110
Cut branches, kg	Armenia, Ukraine, Belarus, Russia	233234
Wooden box, unit	Armenia, Azerbaijan, Kazakhstan, Russia, Belarus, France, Ukraine,	134480
Wooden box, unit	Spain	6782,75
Thin slats of wood, m ³		
Wooden palette, unit	Azerbaijan, Germany, Italy, Canada, Latvia, Malaysia, Poland, Russia, Ukraine, Hungary, Kazakhstan, Estonia, China, Brazil, France, Canada, USA, Great Britain, Belarus, Lithuania, Portugal, Greece, Armenia, Czech republic, Moldova, Australia	14331
Wooden furniture, kg	Russia	163
wooden railroad ties, unit	Azerbaijan	7081
Wood log, m ³	Armenia	80,96
Wood material(beech, chestnut) m ³	Iran, Turkey, Dubai, Kazakhstan, Italy, Greece, Armenia, Iraq, Belarus, Turkmenistan, Spain, United Arab Emirates, Austria, Great Britain	42450,4209
Wood details, m ²	Israel	210
Wood details, m ³	Italy, Iran, Turkey, Armenia, Israel	1076,925
Wood details, unit	France	233416
Wood material, kg	Turkey, Italy, Azerbaijan, Russia	42120
Wood coal, kg	Turkey	57050

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Re-export 2013		
Wooden palette, m ³	Armenia	96
Wood material, m ³	Armenia	30571,25
export 2014		
Ruscus, spruce branches, palm branches, kg	Armenia, Ukraine, Azerbaijan	197565
Propagation material, m ³	Turkey	127.4
Wood rails, unit	Armenia	14793
Pine nuts, kg	USA	94
Wooden parts, kg	Kazakhstan, Armenia, Romania, France, Czech Republic, Turkey, Spain	89489
Wooden box, unit	Latvia, Ukraine, Russia, Kazakhstan, Azerbaijan	4748183,6
Chestnut, kg	Azerbaijan, Armenia	179412
Bamboo stalks, m ³	Armenia, Turkey, Russia, Azerbaijan	735,05



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Food/Feed Safety, Veterinary and Plant Protection Code –

phytosanitary-quarantine measures apply to:

- forest products,
- forests
- forested areas (without regard to ownership);

following ISPMs are implemented in Georgia - 6, 8, 15, 29
....together with other standards.



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Thank you for your attention!