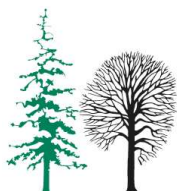


Programi preiskav 2016

Žuželke – 2. del

7. seminar in delavnica iz varstva gozdov

Andreja Kavčič



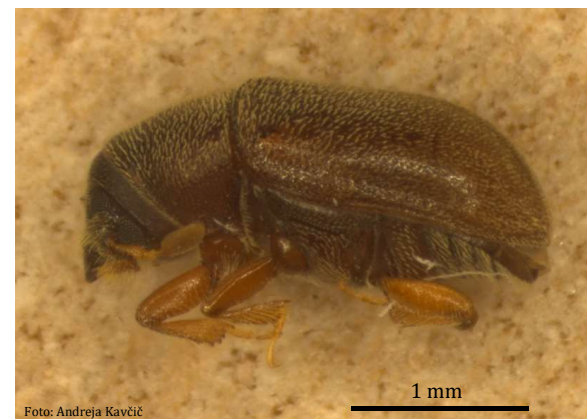
GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Hotedršica, 21. 6. 2016

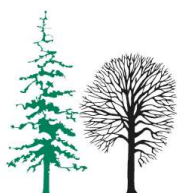
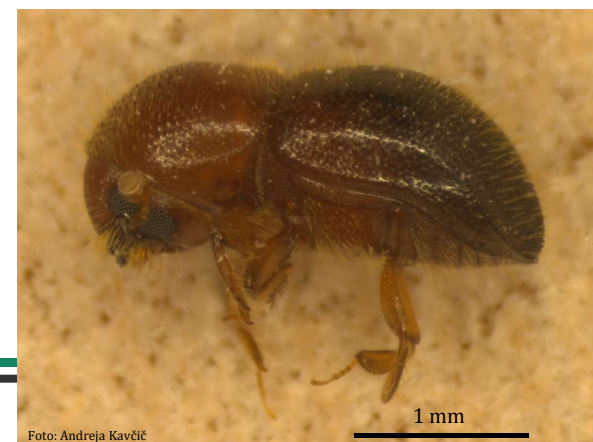
Dendrolimus sibiricus Tschetverikov, 1908
(Lepidoptera: Lasiocampidae)
SIBIRSKA SVILENA KOKLJICA



Polygraphus proximus Blandford, 1894
(Coleoptera: Curculionidae, Scolytinae)
SAHALINSKI JELOV LIČAR



Xylosandrus crassiusculus (Motschulsky, 1866)
(Coleoptera: Curculionidae, Scolytinae)
AZIJSKI AMBROZIJSKI PODLUBNIK



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

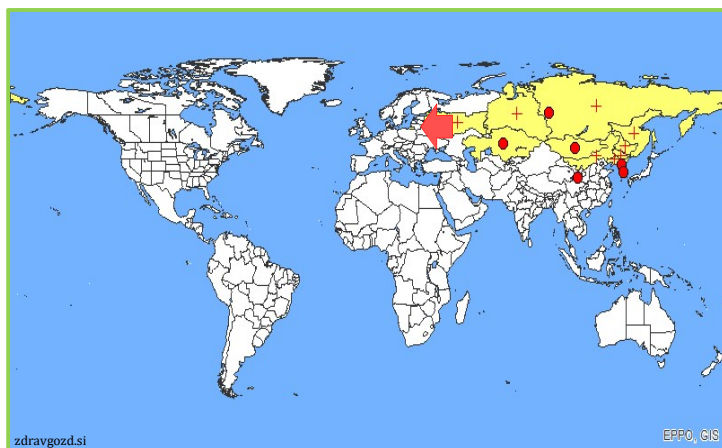
Dendrolimus sibiricus

SIBIRSKA SVILENA KOKLJICA

A2 seznam EPP0 (2002)

Priloga I.A.I Direktive DS 2000/29/ES (2014)

lokalno na območju EPP0 (**Moskva**, EU – ne)

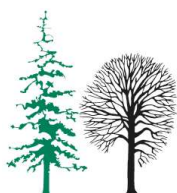


GOSTITELJI:

iglavci (> 20 vrst)

macesen (*Larix* spp.), bor (*Pinus* spp.), smreka (*Picea* spp.), jelka (*Abies* spp.), čuga (*Tsuga* spp.)

➤ **najpomembnejši defoliator iglavcev** (propad sestojev v 2 – 3 letih)



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Dendrolimus sibiricus

SIBIRSKA SVILENA KOKLJICA

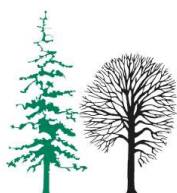


Foto: John H. Ghent, USDA Forest Service, Bugwood.org



Foto: Vladimir Petko, V.N. Sukachev Institute of Forest SB RAS, Bugwood.org

UGA5174048



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Dendrolimus sibiricus

SIBIRSKA SVILENA KOKLJICA



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

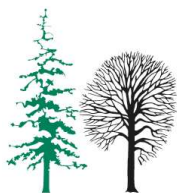
Dendrolimus pini BOROVA KOKLJICA

Dendrolimus pini

Dendrolimus sibiricus

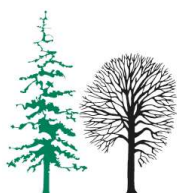


Foto: Todd Gilligan, Screening Aids, USDA APHIS ITP, Bugwood.org



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Dendrolimus pini BOROVA KOKLJICA



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Thaumetopoea pityocampa PINIJEV SPREVODNI PRELEC



Lymantria monacha SMREKOV GOBAR

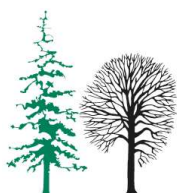


GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Panolis flammea
BOROVA SOVKA



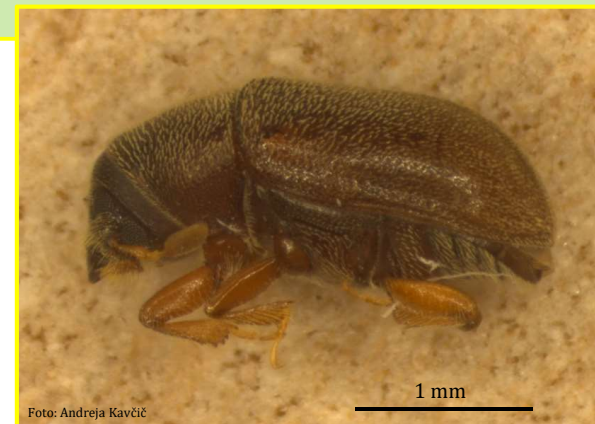
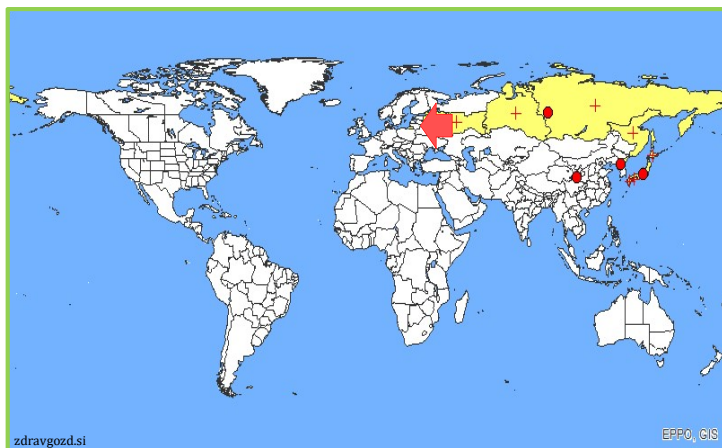
Sphynx pinastri
BOROV VEŠČEC



Polygraphus proximus SAHALINSKI JELOV LIČAR

A2 seznam EPP0 (2011)

lokalno na območju EPP0 (**Moskva**, EU – ne)

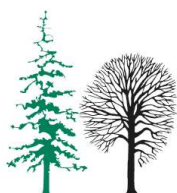


GOSTITELJI:

iglavci (*Abies* spp.)

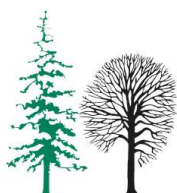
macesen (*Larix* spp.), bor (*Pinus* spp.), smreka (*Picea* spp.), čuga (*Tsuga* spp.)

- napada tudi vrste, ki v naravnem okolju niso prisotne
- **PRIMARNI škodljivec – propad zdravih dreves v 1–2 letih**



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Polygraphus proximus SAHALINSKI JELOV LIČAR

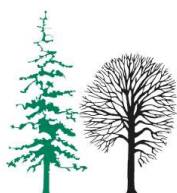


GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Polygraphus polygraphus
DVOJNOOKI SMREKOV LIČAR



Tomicus minor
MALI BOROV STRŽENAR



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Ips acuminatus
OSTROZOBI BOROV LUBADAR



Foto: Maja Jurc, University of Ljubljana, forestryimages.org

Pityogenes bidentatus
DVOZOBI BOROV LUBADAR



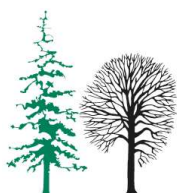
Foto: Maja Jurc, University of Ljubljana, forestryimages.org



Foto: Milan Zubcik, Forest Research Institute - Slovakia, Bugwood.org
5377965



Foto: Stanislaw Knielski, Bugwood.org

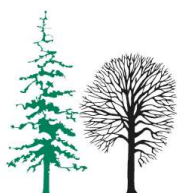
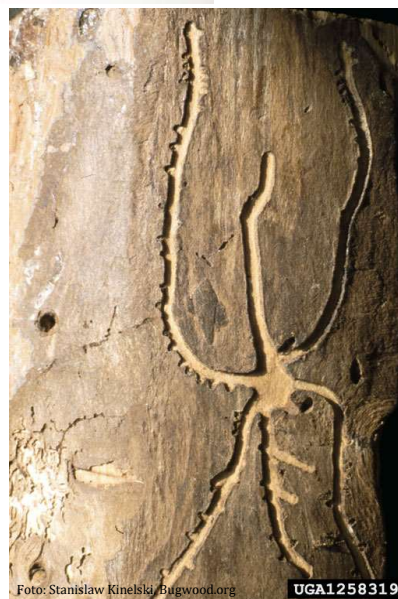


GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Ips amitinus
MALI OSMEROZOBI SMREKOV
LUBADAR



Ips cembrae
VELIKI MACESNOV LUBADAR

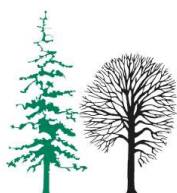


GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Pityokteines curvidens
KRIVOZOBI JELOV LUBADAR



Pityokteines spinidens
OSTROZOBI JELOV LUBADAR



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Pityokteines vorontzowi
VORONTZOWOV JELOV LUBADAR



Foto: Maja Jurec, University of Ljubljana, forestryimages.org

Pityophthorus pityographus
JELOV VEJNI LUBADAR



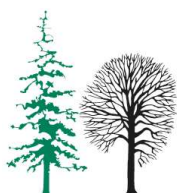
Foto: Maja Jurec, University of Ljubljana, forestryimages.org



Foto: Milan Zubrik, Forest Research Institute, Slovakia, Bugwood.org



Foto: Stanislaw Kirelski, Bugwood.org

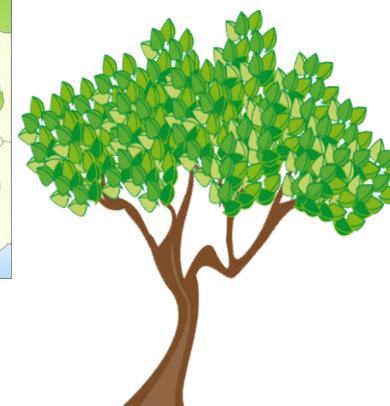
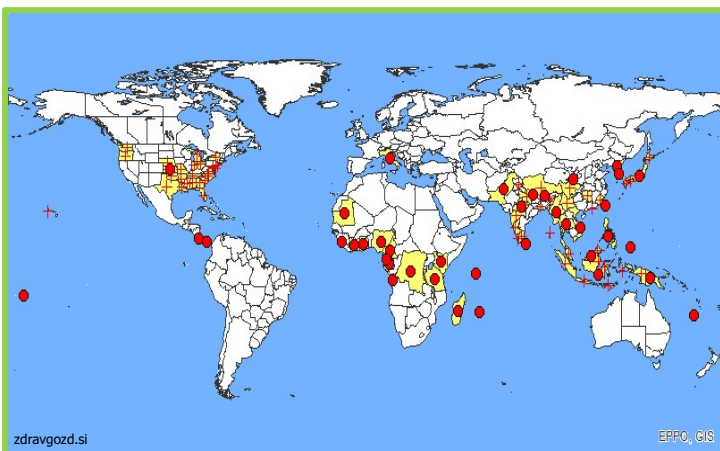


GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Xylosandrus crassiusculus AZIJSKI AMBROZIJSKI PODLUBNIK

Opozorilni seznam EPP0 (2009)

EU – prisoten

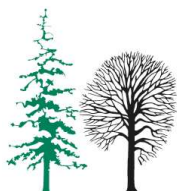


GOSTITELJI:

listavci (izrazit polifag!)

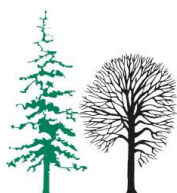
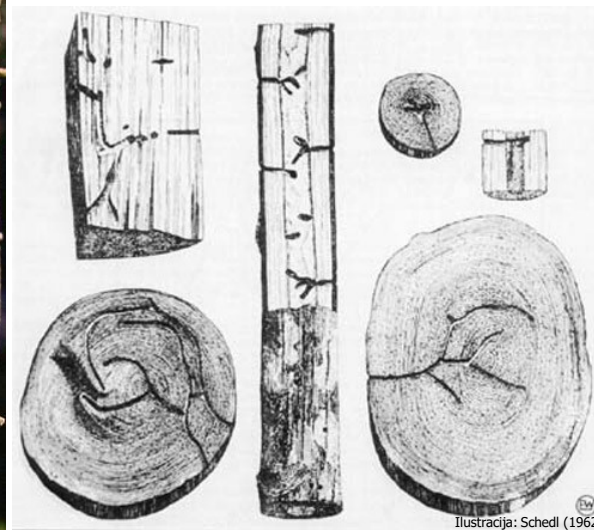
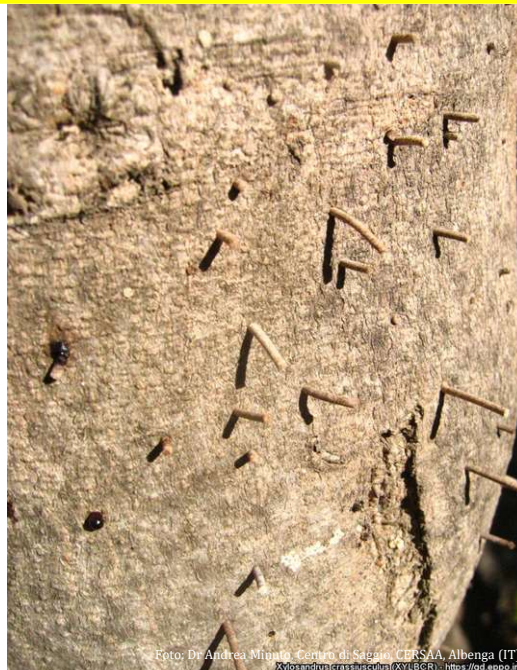
ekonomsko pomembne vrste: kaki, figovec, jablana, češnja, sliva, breskev, ...; **gozdne in okrasne lesnate rastline** iz rodov *Acacia*, *Alnus*, *Azalea*, *Cornus*, *Hibiscus*, *Magnolia*, *Prunus*, *Quercus*, *Populus*, *Salix*, *Ulmus*; ...

➤ **PRIMARNI škodljivec – propad zdravih dreves**



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Xylosandrus crassiusculus AZIJSKI AMBROZIJSKI PODLUBNIK



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Xylosandrus germanus
ČRNI LESAR



Foto: Maja Jurc, University of Ljubljana, forestryimages.org



Foto: Beat Forster, Swiss Federal Institute for Forest, Snow and Landscape Research, Bugwood.org



Foto: Daniel Adam, Office National des Forêts, Bugwood.org

UGA2101031

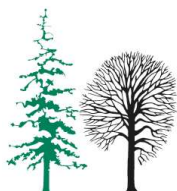
Xyleborus dispar
VRTNI LESAR



Foto: Maja Jurc, University of Ljubljana, forestryimages.org



Foto: Beat Forster, Swiss Federal Institute for Forest, Snow and Landscape Research, Bugwood.org



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Xyloterus domesticus
BUKOV LESTVIČAR



Foto: Maja Jurc, University of Ljubljana, forestryimages.org

Xyloterus signatus
HRASTOV LESTVIČAR



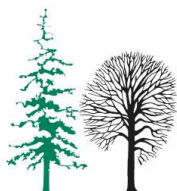
Foto: Maja Jurc, University of Ljubljana, forestryimages.org



Foto: Milan Zubrik, Forest Research Institute - Slovakia, Bugwood.org



Foto: GNU prosto dostopna dokumentacija



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Platypus cylindrus
HRASTOV STRŽENAR



Foto: Maja Jurc, University of Ljubljana, forestryimages.org

Hylecoetus dermestoides
NAVADNI (BUKOV) VRTOVIN



© Zdeněk Prohádka
www.naturefoto2000.com



Foto: Ronald F. Billings, Texas Forest Service,
Bugwood.org



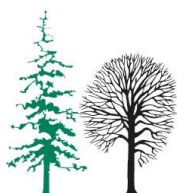
Foto: USDA Forest Service Archive, USDA Forest Service, Bugwood.org UGA0284055



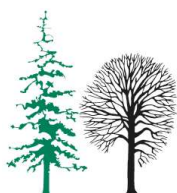
Foto: Ferenc Lakatos, University of West Hungary, Bugwood.org



Foto: Milan Zubrik, Forest Research Institute - Slov 5378663



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE



GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE