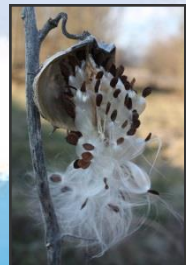


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Control and eradication of invasive alien plant species in Croatia – measures taken and planned

Petra Kutleša, Igor Boršić, Sonja Desnica, Sandra Slivar

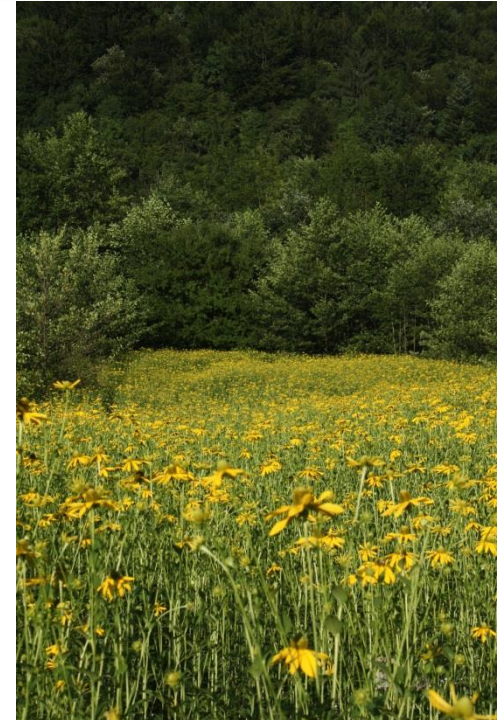


European Workshop on Control and Eradication of Invasive Alien Plant Species
19-21 April 2016, Budapest, Hungary



Vascular flora of Croatia

- in total 5014 species and subspecies
- 384 endemic taxa (110 stenoendemics + 274 endemics)
- 27 vascular plant species important for the conservation of nature in EU
- ? alien
- **64 invasive alien taxa** (2008)
- 74 invasive alien taxa (FCD accessed on 11 January 2016)



Rudbeckia laciniata L.,
photo: CAEN Archives



Ambrosia artemisiifolia L.

Ministry of Agriculture ➡

Order on measures for compulsory removal of ragweed – *Ambrosia artemisiifolia* L. from agricultural land, forests, public traffic routes and public green areas is in force since 2007

Supervision of the implementation of these measures shall be carried out by the phytosanitary inspection the forestry inspection and the agricultural inspection



Ambrosia artemisiifolia L., photo: CAEN Archives



Amorpha fruticosa L. and *Ambrosia artemisiifolia* L.

- Program for maintenance works for protection against harmful effects of water in Croatia nature from 2011 with prescribed measures for control and removal of *Ambrosia artemisiifolia*, *Amorpha fruticosa* and other IAS which have to be mowed from inundation zones several times annually



Amorpha fruticosa L., photo: CAEN Archives



Reynoutria japonica (Houtt.) Ronse Decr.,
photo: CAEN Archives



Heracleum mantegazzianum Sommier & Levier in Krapina-Zagorje County

- Found during floristic research in Krapina-Zagorje County in 2014 on the area of cca 200 m²
- Control measures have already been taken during 2014 and 2015 in collaboration with Public Institution for Management of Protected Natural Values of Krapina-Zagorje County



Photo: Petra Šemnički



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Heracleum mantegazzianum Sommier & Levier in Krapina-Zagorje County

August 2014



Photo: Petra Šemnički

July 2015



Photo: Petra Šemnički

Boršić et al 2015: New localities of *Heracleum mantegazzianum* Sommier et Levier (Apiaceae) in Croatia and control measures taken. *Periodicum Biologorum* 117 (3): 449–452.



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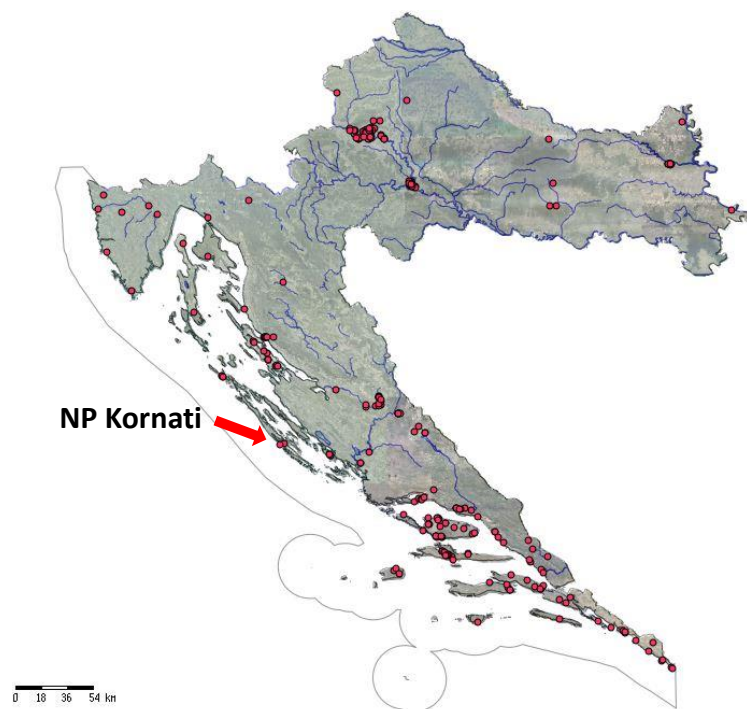
Eradication of IAS financed from EU Structural and Investment Funds

Currently, the Ministry of Environmental and Nature Protection is preparing eradication methodology for selected IAS in protected areas and islands (preferably Natura 2000 sites):

Ailanthus altissima (Mill.) Swingle in National Park Kornati and Nature Park Telašćica



Ailanthus altissima (Mill.) Swingle,
photo: Igor Boršić



Distribution of *Ailanthus altissima* in Croatia,
FCD accessed on 11 April 2016



Croatian Rural Development Programme for the period 2014-2020 (Measure 4):

Proposed IAS plants:

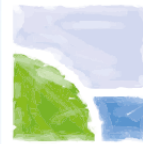
- *Ailanthus altissima* (Mill.) Swingle
- *Amorpha fruticosa* L.
- *Reynoutria japonica* (Houtt.) Ronse Decr.
- *Reynoutria sachalinensis* (F.Schmidt) Ronse Decr.
- *Robinia pseudoacacia* L.



Robinia pseudoacacia L.,
photo: Igor Boršić



Ailanthus altissima (Mill.) Swingle,
photo: Igor Boršić



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Thank you for your attention!

