



This Project is co-funded by the European Union  
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## Addressing of Invasive Alien Species threats in terrestrial areas and inland waters in Turkey

### Module 7: Training on Impacts of Climate Change on Invasive Alien Species

# Action/management plans, and their practice examples, financing, personnel management in Finland

Petri Ahlroth, SYKE



REPUBLIC OF TURKEY  
MINISTRY OF ENVIRONMENT,  
URBANISATION AND CLIMATE CHANGE



Environment and Climate Action  
Sector Operational Programme



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### Preparation of management plans – what is needed?

**In FI management plans are based on:**

1. Legislation
2. National IAS strategy

-> identification and prioritization -> nationally and locally

**Implementation of management requires**

- Sufficient financing
- Knowledge and background data





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### Management plans can be...

- **National** (covering the whole country)
- **Regional** (especially when carried out by regional environment centers)
- **Local** (targetted to manage even single, local populations)





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### Which authorities are responsible for the management plans?

#### Several authorities share the responsibility:

- Regional environment centers
- Metsähallitus (forest and park service in FI)
- Municipalities
- NGOs and other stakeholders
- Regional game authorities





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### Management plans for IAS

How and when management plans are prepared for IAS depends on...

- harmfulness of the species (nature, economy, health)
- economical impacts (game species, cultivated plant species)
- how realistic the managing possibilities are





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Most of the **marine** IAS cannot be removed from nature, once they have been introduced / came by accident

In **freshwaters** removing species is usually very difficult, but in some cases harmful impacts can be reduced by management

In **terrestrial habitats** there are IAS that can be removed  
But also species that can be reduced only.

In case the species has high economical value (game species, for example).

The question is how to manage population in a way which is acceptable from the nature conservation view and does not cause social conflict with stakeholders?

-> for some species common understanding is not easy to find!





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### Some practical examples (1):

#### Removal of raccoon dog

- The species was introduced (1929-1955) from Far East to Russia for the fur production.
- Escaped animals came in Finland and also, in Finland fur production started.
  - > more animals escaped and the species was soon understood to be harmful for the bird species nestion on ground.
- The species benefits from climate warming.
- Now the distribution area is already reaching the border of Sweden and authorities from both countries co-operate to avoid further problems.
  - > most likely raccoon dog will win this battle.





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### Some practical examples (2)

In FI lakes, invasive alien fish are not the major problem.

Some plant species, instead, (American waterweed *Elodea canadensis*, for example) are clearly more harmful for the ecosystems.

Even if there is no urgent need to remove invasive alien fish species in FI lakes, the methods (large, dense fishing nets) created to remove nutrients from the lakes could potentially be used for the management of some IAS.







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### Some financing instruments:

#### National:

Projects supported by the Ministry of Environment

Projects supported by the Ministry of Forestry and Agriculture

Projects supported by Regional environment centers

Projects supported by municipalities

Projects supported by foundations

#### EU-financing:

- LIFE -projects
- EU Regional development fund (including Interreg)
- EU Maritime and fishery fund
- (Cohesion fund is not potential for FI, at least at the moment)





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**EU LIFE** projects are usually national projects that allow implementation of management plans for several species at the same time.

Also they are in key role to share best practices related to managing methods.

LIFE projects usually include sections related to **awareness raising** and they produce materials which can be used in other similar projects.

Link to VieKas Life project:

[Finvasive \(VieKas\) LIFE – Suomen luonnonsuojeluliitto \(sll.fi\)](https://www.sll.fi/finvasive)



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### Importance of voluntary work !



Removal of *Rosa rugosa* during a volunteer camp  
Organized by Martha Association and locals



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**Thank you!**



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