

# Invasive Alien Species (IAS)

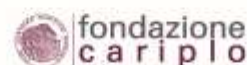
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Nature integrated management to 2020

## Invasive alien species

Partner



Sostenuto da



Con il contributo di



# In Lombardy

- Invasive plant species – more than 700 *allochthonous* plant species, of which at least 5 species of Union Concern
- Invasive animal species – at least 9 species of Union Concern



## Animals – Scientific name

*Callosciurus erythraeus*

*Myocastor coypus*

*Nasua nasua*

*Orconectes limosus*

*Orconectes virilis*

*Procambarus clarkii*

*Procambarus fallax f. virginalis*

*Procyon lotor*

*Pseudorasbora parva*

*Sciurus carolinensis*

*Threskiornis aethiopicus*

*Trachemys scripta*

*Vespa velutina*



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# What we have worked on....

## Some examples

### -LIFE EC SQUARE

Project on conservation of red squirrel and eradication of grey squirrel



### -LIFE CRAINAT

Project on conservation of freshwater crayfish, involved the control of invasive species of crayfish



**Popillia japonica in Lombardia**  
Incontro 25 ottobre 2017



Other regional projects on  
*Anoplophora chinensis*  
*Popillia japonica*



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# What we have worked on

## Some examples

LIFE TIB on ecological corridors, dealing also with control of aquatic invasive plant species (es ludwigia)

[http://www.lifetib.it/DOWNLOAD/ConvegnoFinale/Raimondi\\_Uggeri\\_Farioli\\_E1\\_E21.pdf](http://www.lifetib.it/DOWNLOAD/ConvegnoFinale/Raimondi_Uggeri_Farioli_E1_E21.pdf)



### Problems....

- The theme of alien species is dealt in single projects (usually EU funded projects)
- Controlling needs a great and continuous effort and personnell involved
- Communication and awareness is essential and always has to accompany controlling activities



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# LIFE Gestire 2020, a new strategic approach to biodiversity for Lombardy Region

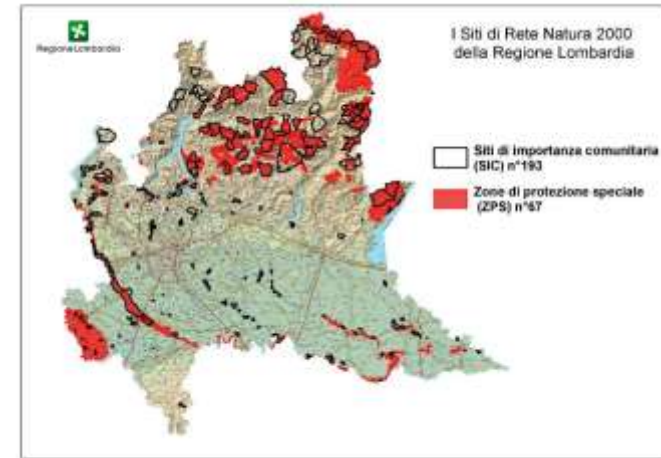
**LIFE IP GESTIRE2020** implements a part of the **Priority Action Framework (PAF)** an integrated, unitary, coordinated and participated management strategy in order to **ensure the achievement of conservation objectives** set out in the Habitats and Birds Directives, thus contributing to regional development objectives.

**A. Improving governance and management models of Natura 2000 regional network, to achieve multiple policy goals**

**B. Maintaining and improving conservation status of habitats and species**

**C. Raising awareness and providing information on the value/potential of the regional Natura 2000 areas**

**D. Monitoring**



A territorial network involving all

- 242 Natura 2000 sites
- 56 management bodies



First results of the LIFE PROGRAMME 2014-2020  
10<sup>th</sup> October 2017, Brussels



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# LIFE IP GESTIRE 2020

## An integrated strategy for Natura 2000 and biodiversity in Lombardy

One of the objectives of the strategy is maintaining and improving conservation status of habitats and species:

- Addressing the threat posed by the presence of **invasive and/or non native species** though the scheming of a **regional strategy for IAS**;
- **Informing and disseminating** issues related to biodiversity and to the meaning of N2000;
- Innovative monitoring – involvement of management bodies, volunteers, experts



# LIFE IP GESTIRE 2020

## is working on the application of Regulation 1143/2014 on IAS

<b>Prevention of new introductions / Early detection of species</b>	<ul style="list-style-type: none"><li>• <i>Surveillance</i> &amp; official controls of <i>pathways of entry</i> through air vector at the international airport « Il Caravaggio » - Orio al Serio, Bergamo</li></ul>
<b>Rapid eradication of new populations</b>	<ul style="list-style-type: none"><li>• Early detection and rapid eradication</li></ul>
<b>Management</b>	<ul style="list-style-type: none"><li>• Management measures for widely spread IAS (controlling options)</li></ul>
<b>Communication</b>	<ul style="list-style-type: none"><li>• Raising awareness (public meeting and information campaign, citizen science)</li></ul>





# The airport of Bergamo and the screening of IAS

The airport of Orio al Serio:

- The third Italian airport for number of passengers in one year and the third Italian airport for volume of goods shipped
- In 2016 11,500,000 passengers in transit at the airport
- Incoming flights (cargo & passengers) from Northern Africa, North and South America, Asia..
- In 2016 more than 79,000 flights and more than 117,000 tons of cargo shipped
- No specific surveillance system of the entry of IAS at the airport





# LIFE GESTIRE2020 and *prevention*

Action A9 – limit the spread of alien species through airport traffic control



- **risk analysis at the international airport of Orio al Serio:**
- creation of a list of insects, nemathodes, fungi, virus and bacteria and plant and animal species potentially introduceable through the airport in Orio al Serio :
- lists that are taken into consideration: Lists of the UE Regulation, EPPO, DAISIE list, Regional «black list» (LR 10/2008) – **up til now screening of 131 species is on going**
- For each species a technical sheet is being produced containing info on ecology, and main pathways
- For the species that are more at risk of being introduced, definition of **detection measures, delimitation, monitoring, surveillance**
- analysis and comparison with existing procedures at other international airports
- Analysis of incoming flights and data given by airport authorities
- cross-analysis of species and incoming flights to evaluate the risk of introduction



# Next step..



- Training of airport personnell for control and inspection on incoming flights
- establishment of a permanent control unit for prevention of new alien species through air vector (with Arma dei Carabinieri Forestali)



# LIFE GESTIRE2020 and *communication*

- distribution of 1.000 questionnaires for travellers passengers to evaluate knowledge on IAS (starting from december)
- On the basis of results -> definition of information campaign (brochure and video info at the airport premises)



## Grazie per il tuo tempo!

I minuti che hai dedicato al questionario ci aiuteranno a **tutelare meglio la biodiversità** dal problema delle **specie aliene invasive**.  
Vuoi saperne di più su questi argomenti e sui risultati del questionario?  
Vai sul sito [www.naturachevale.it](http://www.naturachevale.it)

Alla sezione "Specie invasive" troverai i risultati dei sondaggi e potrai seguire le altre iniziative del **progetto europeo LIFE GESTIRE 2020** per la conservazione della biodiversità in Lombardia.

## Buon viaggio!



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# LIFE GESTIRE2020 and *management*

Action	Activities
A7 – definition of a <b>regional strategy</b> for preventing and controlling the spread of alien species	<ul style="list-style-type: none"> <li>-definition of <b>priorities of action</b> for animal and plant species</li> <li>-definition of 5 intervention protocols for plant species</li> <li>-definition of a detailed strategy for the control of alien squirrels and action plan for control of <i>Trachemys</i></li> <li>-involvement of 8 prison structures for keeping of alien species</li> <li>-definition of guidelines for alien crayfish species</li> </ul>

Azione	Activities
C5 – Concrete Interventions to limit the spread of ias	-concrete control actions based on priorities defined in the regional strategy through <b>LIFE GESTIRE2020 funds and complementary funds (regional, private, RDP, other)</b>

Azione	Activities
E11- divulgation of information on IAS	<ul style="list-style-type: none"> <li>-working group on social conflicts (eradication of «sensible» species)</li> <li>-brochure, website (naturachevale.it)</li> <li>-public meetings (involving management bodies of N2000 sites)</li> </ul>







# natura che vale

BIODIVERSITÀ, RICCHEZZA  
DELLA LOMBARDIA

Thank you!

Integrated project LIFE GESTIRE2020  
Elisabetta Rossi – Regione Lombardia  
[elisabetta\\_maria\\_rossi@regione.lombardia.it](mailto:elisabetta_maria_rossi@regione.lombardia.it)  
Paolo Colombo – Carabinieri Forestali  
[p.colombo@forestale.carabinieri.it](mailto:p.colombo@forestale.carabinieri.it)



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[www.naturachevale.it](http://www.naturachevale.it)



To learn more about the project LIFEGESTIRE2020:  
[www.naturachevale.it](http://www.naturachevale.it)



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