

Invasive alien species (IAS) in the Czech Republic

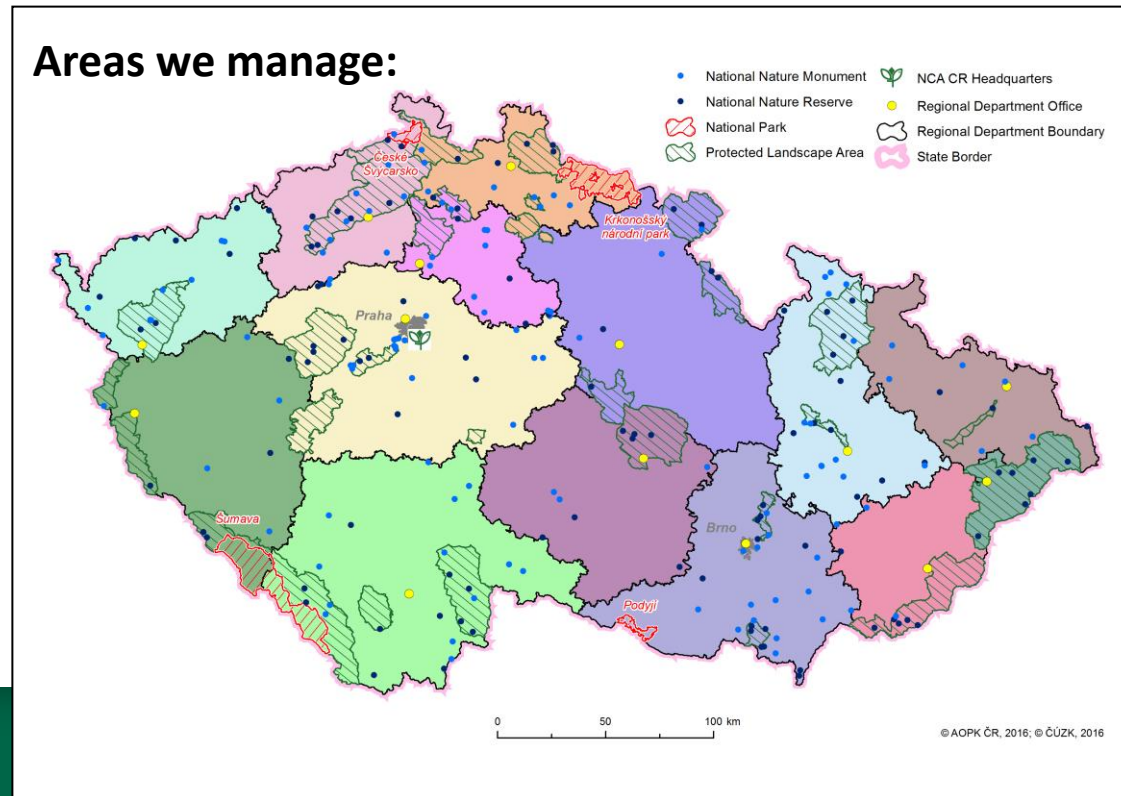
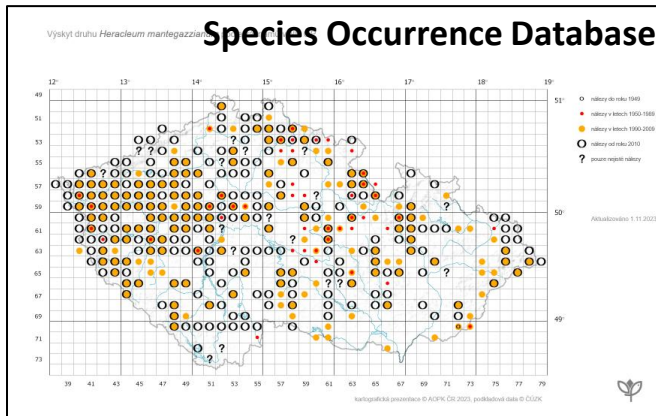
Tomáš Görner

Nature Conservation Agency of the Czech Republic



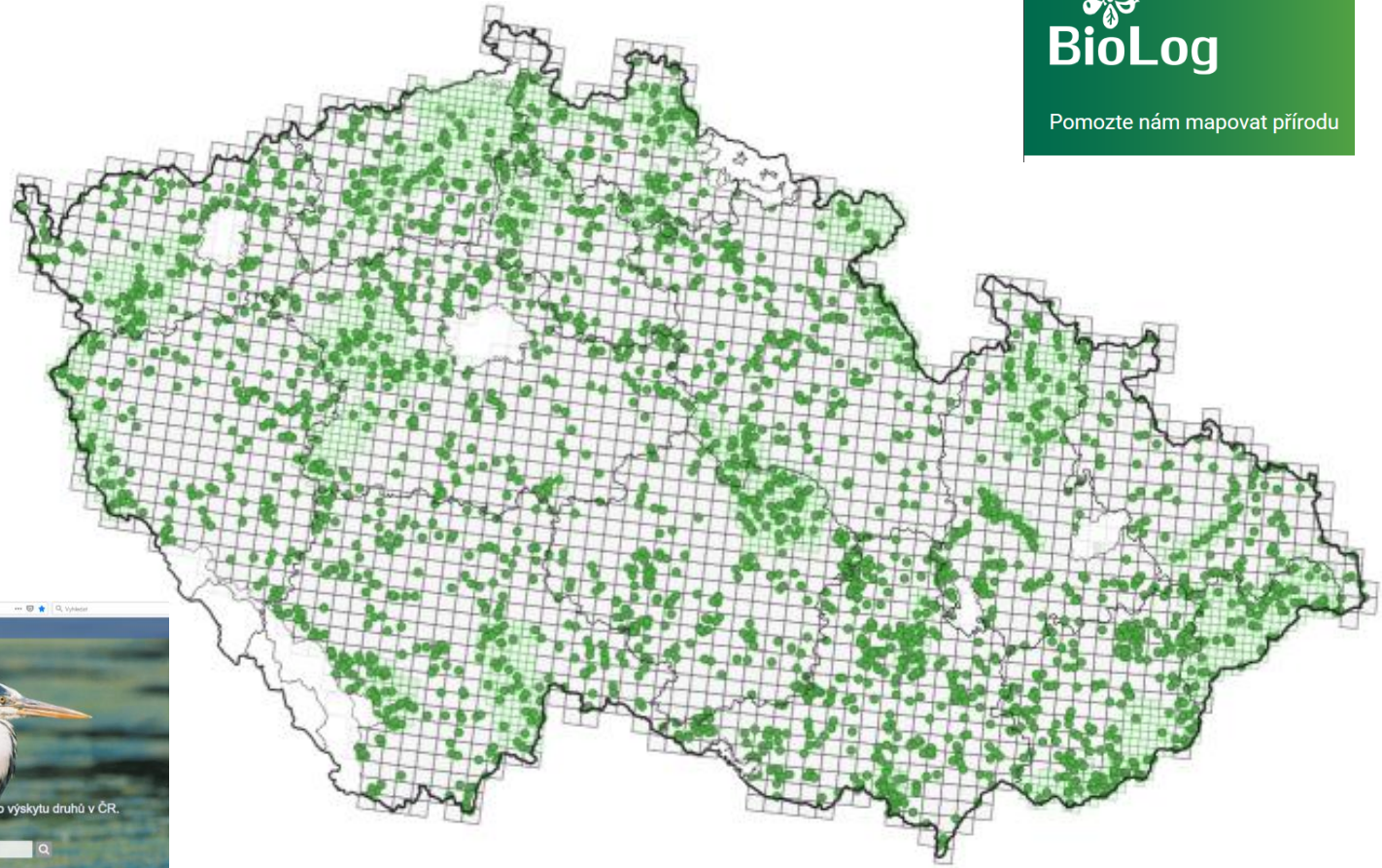
NCA CR – what we do

- Performing state/public administration in particular areas
- Carrying out inventories, surveys and monitoring for nature conservation and landscape protection
- Dealing with communication, education and public awareness of general public and target groups



NCA CR - monitoring

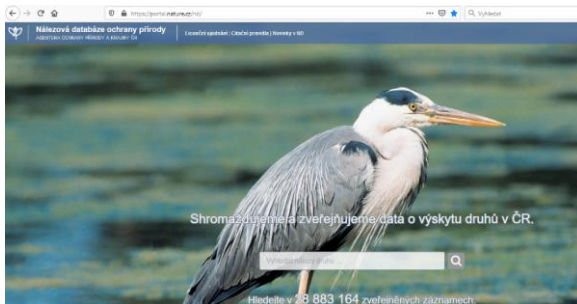
- IAS mapping – species of Union concern + other IAS
- Funded by OPE
- 2023 – 2029
- 3 levels:
 - Small PAs
 - PLAs
 - Other areas



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BioLog

Pomozte nám mapovat přírodu



<https://portal.nature.cz/nd/>

NCA CR - methodical material

- Standard D02 007 Management of selected alien plant species – recommendation setting parameters of outputs and technical descriptions for the individual measures implemented in the field - updated in October 2023
- Standard D02 008 Management of selected alien animal species – in process (2026?)
- Methodical sheet NCA 39.1 Invasive alien species
- Invasive alien species of Union concern – NCA methodology, updated 2022
- Handbook for evaluation of eradication projects - 2022



IAS – legal framework

- **Act no. 114/1992 Coll.on Nature and Landscape Protection (NLP):**
- Contains EU Regulations No 708/2007 and No 1143/2014
- Defines three „groups“ of IAS:
 - **1. All non-native species** except for 2. and 3.
 - **2. Alien and locally absent species in aquaculture** - Regulation (EC) No 708/2007
 - **3. IAS of Union concern** (from Union list) – Regulation No 1143/2014



1. Non-native species

- Deliberate spreading of an alien plant or animal species into the landscape is only possible with a permit from a nature protection authority - §5 (4)
- Ban on deliberate spreading of alien species in national parks, protected landscape areas, national nature reserves and nature reserves
- The nature conservation authority may establish measures to regulate non-native species §5 (6)



2. Alien and locally absent species in aquaculture

- §§13a – 13c NLP
- Only for open aquacultures
- Not apply to the keeping of ornamental aquatic animals and plants in pet stores, hobbyist settings, garden centers, or isolated garden ponds
- List of exceptions (Regulation No 708/2007, Annex IV)
- Competent nature conservation authority – NCA CR
- Permit is required for species breeding/farming



2. Alien and locally absent species in aquaculture

- List of exceptions (Regulation No 708/2007, Annex IV)

Acipenser baeri (*), jeseter sibiřský

A. gueldenstaetii (*), jeseter ruský

A. nudiiventris (*), jeseter hladký

A. ruthenus (*), jeseter malý

A. stellatus (*), jeseter hvězdnatý

A. sturio (*), jeseter velký

Aristichthys nobilis, tolstolobec pestrý

Carassius auratus, karas stříbřitý

Clarias gariepinus, keřičkovec červenolemý

Coregonus peled, síh peleď

Crassostrea gigas, ústřice obrovská

Ctenopharyntgodon idella, amur bílý

Cyprinus carpio, kapr obecný

Huso huso (*), vyza velká

Hypophthalmichthys molitrix, tolstolobik bílý

Ictalurus punctatus, sumeček skvrnitý

Micropterus salmoides, okounek pstruhový

Oncorhynchus mykiss, pstruh duhový

Ruditapes philippinarum, tapeska filipínská

Salvelinus alpinus, siven alpský

Salvelinus fontinalis, siven americký

Salvelinus namaycush, siven obrovský

Sander lucioperca, candát obecný

Silurus glanis, sumec velký

3. IAS of Union Concern

- These species shall not be intentionally:
- Brought in EU, transported within EU
- Kept, bred, placed on the market, used or exchanged
- Permitted to reproduce, grown or cultivated
- Released into the environment



3. IAS of Union Concern

- 114 species, 23 common in the Czech Rep.



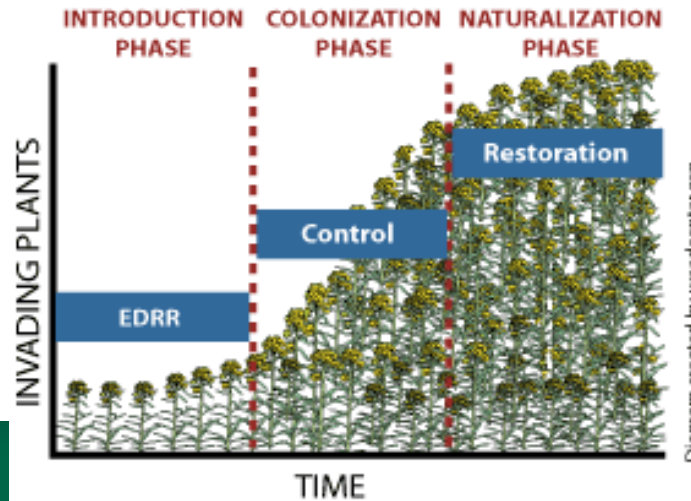
3. IAS of Union Concern

- §§13d – 13l NLP
- Common species:
- **National management measures** - national documents outlining strategies for managing invasive species, created by Ministry of the Environment
- **Regional management measures** - regulations governing the management of invasive species in a region, announced by regional authorities, NCA CR, NP administrations



Early detection, rapid response

- NCA CR:
- Surveillance system – collects and records data on the occurrence of invasive alien species
- Ensuring effective removal or isolation of IAS
- Notify to the Commission and inform the other Member states (EASIN NOTSYS)



EDRR – Marbled crayfish

- First record – 2016 (Prague)
- 4 localities: Radovesice spoil heap (still present, isolated), Prague (eradicated in 2023), near Mohelnice and near Spytihněv (since 2025, IUCN project – eradication activities in 2026)



EDRR – Amur sleeper

- First record – January 2023
- Two ponds near Rokycany
- Monitoring, cooperation with local fishermen



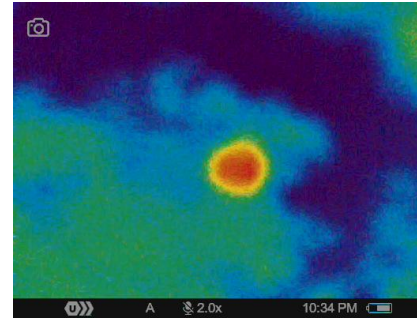
EDRR – Western waterweed

- First record – 2020
- Natural monument Skalka u Velimi
- Monitoring, release of grass carp



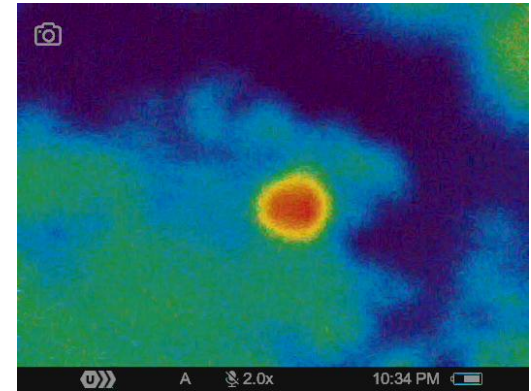
EDRR Asian hornet

- 2 nests (eradicated in 2023 and 2024)
- Citizen science, cooperation with public
- invaznidruhy@aopk.gov.cz, Nahlaš sršeň app



EDRR Asian hornet

- Cooperation with local experts, fire brigade



IAS of Union concern - registration

- Private owners
- Web form NCA CR
- Ca 1600 owners registered
- 1 year after addition to Union list





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Thank you for your attention

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