

Interreg Project AgriNatur AT-HU (2019-2022): Biodiversity by antropogenic management for nature protection areas

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Workshop „Biodiversity of Soils and related Ecosystems“
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Main Project Aims:

- Evaluation of nature protection value (FFH, Red List etc.) of agrobiodiversity in organic arable fields in nature protected areas (Natura 2000 „Mosoni Sik“ in HU, IUCN Nationalpark „Donauauen“ in Vienna, AT)
- Adaptation of organic cultivation for enhancing rare and endangered agrospecies
- Awareness raising for sustainable agriculture in the urban population by nature pedagogic activities (e.g. nature trails, workshops)
- Development of AgriNatur-Strategy for general use & local implementation plans

<https://www.interreg-athu.eu/agrinaturat-hu> (under construction)



Partners:

- City of Vienna, Dept. Forest & Agriculture MA 49 (Lead, AT)
- Bio Forschung Austria (P1, AT)
- Széchenyi István University, Faculty Agriculture & Food Science (P2, HU)

Strategic Partners:

- AT: City of Vienna, Dept. Nature Protection MA 22; SUM Stadt-Umland Management Wien/NÖ; NÖ Agrarbezirksbehörde, Fachabt. Landentwicklung; Nationalpark Neudiedlersee–Seewinkel
- HU: Municipality of Mosonmagyaróvár; Nature Protection Assoc. Szigetköz Region; Fertő-Hanság Nemzeti Park



Recent activities in Austria: Biodiversity Monitoring 2019

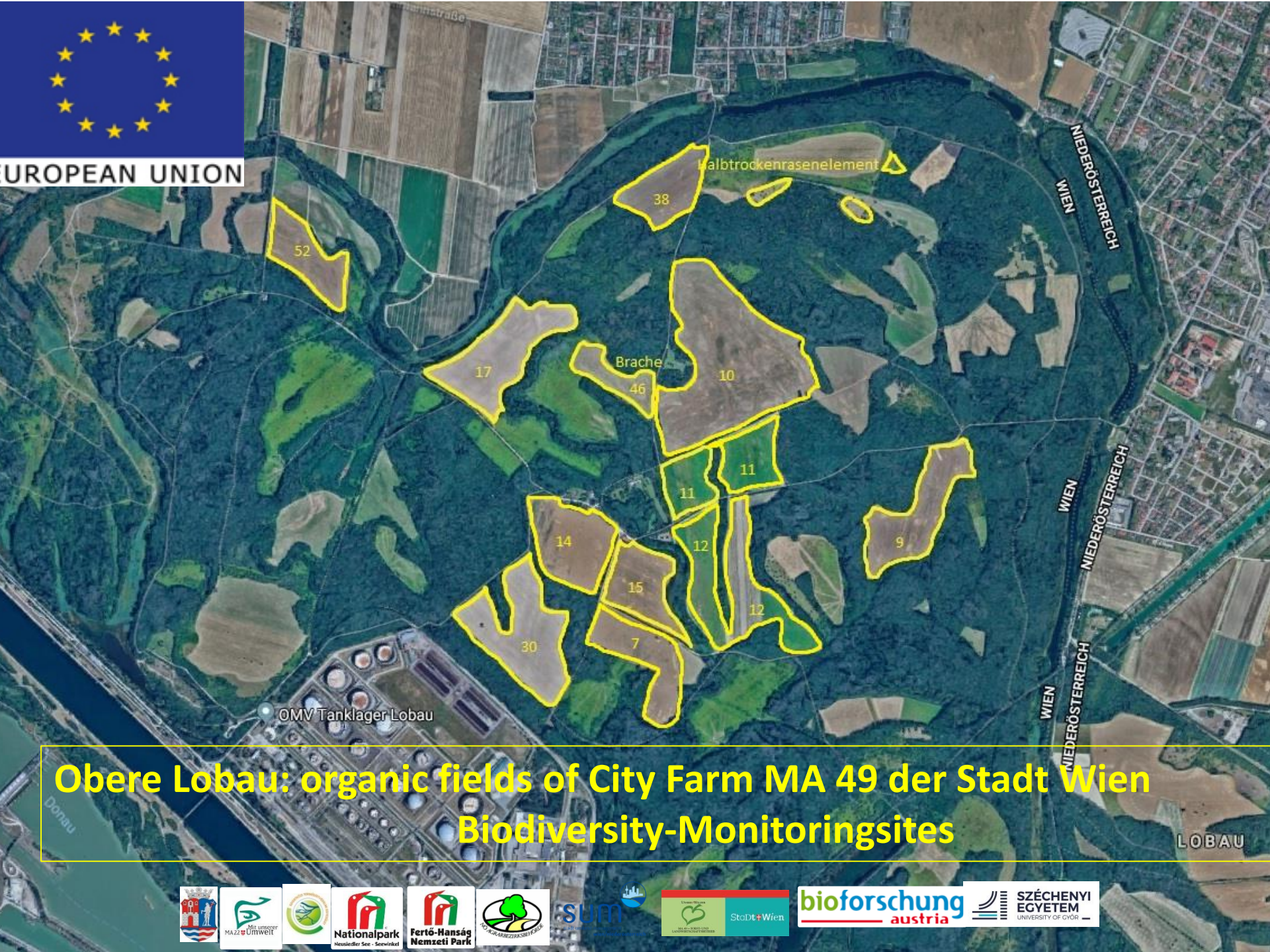
- Carabids (beneficials): fields and fallows, time series 25, 15, 3 years back
- Vegetation (flowering, host species): arable weeds, ecotones
- Wild & bumble bees (pollinators, red list): fields, ecotones, dry meadows
- Butterflies (red list): fields, ecotones, dry meadows
- Birds (food chain, red list): open arable landscape Lobau

-> expected results: status quo of functionality and nature protection value



Ei des Nierenfleck-Zipfelfalters (RL) auf Schlehe, Hecke Wolfsboden 2
 B. Kromp, 1. Begehung 30.1.2019





Obere Lobau: organic fields of City Farm MA 49 der Stadt Wien Biodiversity-Monitoringsites

Activities 2020: Replication of biodiversity monitoring in same sites, plus implemented biodiversity-enhancing measures

Arable fields:

- Diversification of crop rotation, additional arable species (eg. fennel)
- beneficial attractive undersowings (eg. leguminose)
- Headlands with flowering mixtures & „colourful“ fallows
- **Hedges, fieldmargins, fruit tree-alleys:**
 - Management (eg. tree-cut), Replanting (eg. Willows)

*-> expected results: efficacy of biodiversity nature value enhancement
by adapted organic cultivation measures*

-> Implementation of results in (local) AgriNatur-Strategy

