



# 8-12 JULY 2024 **Recording Orthoptera sounds**

International workshop **VERONA, ITALY**

## Teoss bioacoustic workshop program - Verona, Italy - 8-12 July 2024

### PRIOR THE WORKSHOP:

- Dietary needs of the assistants.
- Setup of an Observation.org account(web) and Install App ObsMapp/iObs (smartphone)
- Setup of a Xeno-canto account
- Install App Echo Meter by Wildlife acoustic (smartphone)
- Check USB type in the smartphone (new Echometers has USB C ; former micro USB).
- It is better if the participants install R and Rstudio on their pc
- Bring your own headphone to be able to listen while recording
- maybe we should prepare a shared document (Google sheet) to add metadata of collected recordings

Each day, after dinner, participants can decide what to do:

- field work
- hotel lab (selecting, uploading and analyzing recordings)

Fieldwork	Hotel	Museum / Field Lab.	Lunch / Dinner

DAY ONE: **MONDAY 8 OF JULY**

**TALKS AT VERONA MUSEUM**

- 9:00 Meeting
- 9:30 **Welcome**
- 9:45 **TEOSS project** (? Prunier/Kalkman)
- 10:00 **Sound production in Orthoptera** (Buzzetti)
- 10:45 Coffee break
- 11:00 **Workflow for this workshop: field and lab methods** (Odé)
- 11:45 **Gears available at the workshop** (Prunier/Odé)

12:30 Lunch

**14:00-14:30: (ONLY POSSIBLE ON MONDAY)**

- **RThoptera software** (Fuenzalida)

**FIELD WORK IN VERONA GRASSLANDS**

- 14:45 Walk to Parco dell'Adige Sud (10')
- 15:00 **Practical teaching: Grabbing the gears** (test material and first recordings)
- 17:30 End

18:00 Spare time.

**TALK & LAB AT THE HOTEL**

- 19:30 **Citizen science Observation.org and Xeno canto** (Kalkman)

20:15 Dinner.

**TALK AT THE HOTEL**

- 21:30 **The Orthoptera fauna near Verona** (Buzzetti)

DAY TWO: **TUESDAY 9 OF JULY**

**FIELD WORK IN SOAVE - MONTE TENDA**

- 8:30 Meeting point at the hotel. Bus drive (40')
- 9:15 Fieldwork in Soave - Monte Tenda 's xerothermic hills (45°25'16"N 11°15'31"E , 141m) [youtube video](#)
- 12:00 Talk in the field. **Different types of microphones and recorders** (Odé)

12:30 Lunch.

**LAB & TALK**

- 14:00 **Practical teaching: Uploading records**
- 15:00 Processing the data (lab workflow)
- 16:30 **talk**
- 17:00 Questions.

18:00 Meeting and transfer.

20:15 Dinner. Spare time.

**NIGHT FIELD WORK IN VERONA**

- **21:30** at Parco Adige Sud (near hotel) urban wood (45°25'53"N 11°02'02"E , 45m)

DAY 3: **WEDNESDAY 10 OF JULY**

**FIELD WORK IN VALPOLICELLA**

- 8:30 Meeting point at the hotel. Bus drive (40')
- 9:15 Fieldwork in Parco Valpolicella, semi-natural area with wood, ponds and dry fields (45°32'59"N 10°53'49"E 278m)
- 12:15 Meeting point

12:30 Packed lunch.

13:45 Meeting point and transfer to Verona.

**TALK & LAB AT VERONA MUSEUM**

- 15:00 Lab work flow: **Uploading records.**
- 17:00 **Round table: solving doubts about the workflow**

18:00 Leave the museum for Hotel Maxim.

**TALKS AT THE HOTEL**

- 19:30 **Evaluate collection of sound recordings so far** (Odé).

20:15 Dinner at Hotel Maxim. Spare time.

DAY 4: **THURSDAY 11 OF JULY**

### **FIELD WORK IN SAN GIORGIO**

- 8:00 Meeting point at the hotel. Bus drive (1h00)
- 9:00 Fieldwork in San Giorgio alpine meadows and woods (45°41'06"N 11°05'03"E, 1500m) while walking 5 km toward Conca dei Parpari, along the dirt road

12:30 Lunch at Conca dei Parpari.

### **FIELD LAB AT RESTAURANT CONCA DEI PARPARI**

- 15:00 Lab work flow: **Uploading records.**
- 17:00 **Analyzing sound recordings** (Odé)

### **LATE AFTERNOON FIELD WORK AROUND CONCA DEI PARPARI**

- **18:00** Field work

19:00 Meeting and transfer.

20:15 Dinner. Spare time.

**DAY 5: FRIDAY 12 OF JULY**

### **TALK & LAB AT VERONA MUSEUM**

- 9:00 Meeting at the Museum
- 9:15 **Gaps on knowledge in Europe** (Odé)

- 9:45 Lab work flow: **Uploading records.**
- 12:00 **Validating records on Observation.org / Xeno canto** (Kalkman)

12:30 Lunch.

#### **TALK & LAB AT VERONA MUSEUM**

- 14:00 Last session on Lab work flow
- 15:00 **Analysis with R-thoptera** (Brizio, Buzzetti).
- 16:00 **Personal experience on recording Orthoptera** (Brizio)
- 16:30 Closing session (Buzzetti)

#### **Trainers**

<b>#</b>	<b>Name</b>	<b>Affiliation</b>	<b>mail</b>	<b>Payment by</b> (Accommodation includes food)
1	Baudewijn Odé	Floron/IUCN SSG	baudewijnOdé@gmail.com	AEA (Fee, Travel, Accommodation)
2	Filippo M. Buzzetti	FMCR	buzzettifilippo@fondazionemcr.it	WBA (Fee, Accommodation)

#	Name	Affiliation	mail	Payment by (Accommodation includes food)
3	Cesare Brizio	WBA	briziocesare@gmail.com	WBA (Accommodation)
4	Nefeli Kotitsa	Univ. Belgrade	nefeli.ilefen@gmail.com	AEA (Travel, Accommodation)
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