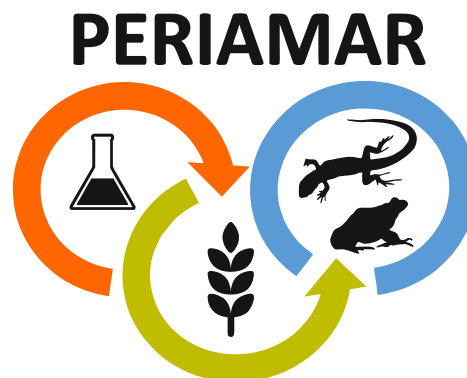


COST Action PERIAMAR
PEsticide Risk AssessMent for Amphibians and Reptiles



Training School on
*Applying scientific research to support environmental
risk assessment of pesticides*

and

Third General Meeting

Museo di Storia Naturale, La Specola
Via Romana 17-19, Florence (Italy)

3-6 October 2023

PROGRAMME

Welcome to two co-located events that the COST Action PERIAMAR (PEsticide RiSk AssessMent for Amphibians and Reptiles) is organising in Florence, Italy. During this week, we will hold the fourth Training School (on October 3rd and 4th) and the Third General Meeting (on October 5th and 6th) of PERIAMAR.

The Training School, with the title ***Applying scientific research to support environmental risk assessment of pesticides***, is conducted with the purpose of approaching scientists who work on wildlife ecology, biology, or ecotoxicology to the regulatory process of pesticide risk assessment. Trainees with interest in gaining skills for dissemination and transfer of knowledge of their research outputs to the regulatory sector will receive an overview of the pesticide risk assessment process and discuss way of applying their research activities to support and improve this process.

The Third General Meeting includes a review of the Action progress, several sessions to present different Action outputs (including some from finished STSMs), separate dedicated meetings to deal with specific topics of relevance for the Action and a discussion about future activities to address pending challenges of PERIAMAR. The event will finalise with the Seventh Management Committee Meeting.

The attendance to these events is **by invitation only**. Each event has generated a list of invitations, hence the participation in both events is possible only for those people having received two separate invitations.



The meeting is hosted by the Sistema Museale dell'Università degli Studi di Firenze at the Museo di Storia Naturale La Specola.

Chair of the organizing committee: **Marta Biaggini**

TRAVEL EXPENSES

Participants are eligible to claim the reimbursement of their travel expenses. Participants shall organize and pay for their travels (including accommodation) in advance. Reimbursement of expenses will be processed after the meeting. Participants must sign the attendance list every day. This is the only official proof of attendance to the meeting.

Attached to this programme, participants will receive a document with instructions to claim for the reimbursement of travel expenses.

VENUE

The meeting will take place at the **Museo di Storia Naturale** of Florence University, **La Specola**. Address is Via Romana 17, Florence (**important information about access to the meeting venue is provided below**).



The venue is 20 minutes walking from the central train station of Firenze (Santa Maria Novella) and within 15 minutes walking from many of the renaissance and medieval monuments that give Florence its worldwide fame as a tourist destination (Palazzo Pitti, Ponte Vecchio, Galleria degli Uffizi, Piazza della Signoria or Cattedrale di Santa Maria del Fiore). The venue is also reachable using public transport (bus line 11, stop Piazza di San Felice). Information about city and regional buses can be found at <https://www.at-bus.it/en>

Florence airport is connected with the city centre by bus and tram. In both cases, the terminal at the city centre is located in the vicinities of the Santa Maria Novella train station. Find more information at <https://www.aeroporto.firenze.it/en/the-passengers/transport.html>

IMPORTANT: ACCESS TO THE MEETING VENUE

The museum is closed to the public, so the main entrance to the building is normally closed. The access will be through a side entrance located at **Via Romana 19**. The meeting organizers will be at the entrance **15 minutes before the morning and afternoon sessions begin**. If access to the building is needed at any other time, please proceed as follows:

- Before 15:30: ring the bell (at Via Romana 19) and wait for the museum staff to open the door.
- After 15:30: contact Marta (+39 320 0717826).



ACCOMODATION AND MEALS

Accommodation and meals will be reimbursed as part of the daily allowance that participants will receive upon submission of their travel reimbursement requests. The daily allowance will be calculated according to the COST rules (available at <https://www.cost.eu/uploads/2022/12/COST-094-21-Annotated-Rules-for-COST-Actions-Level-C-V1.3.pdf>). The daily allowance does not include long-distance travels, which will be reimbursed apart according to the actual travel ticket prices. This will be effective after the meeting, hence participants will have to pay for their accommodation and meals in advance.

Participants are entirely responsible of searching and booking for their own accommodation. On Wednesday, Thursday and Friday, working lunches will be organized at participants' expenses. The lunches will be served at:

- Wednesday, Oct 4th. Trattoria Pandemonio (Via del Leone 50R, <https://www.trattoriapandemonio.it/index.html>). Approximate price 25-30 EUR.
- Thursday, Oct 5th. I Ragazzi di Sipario (via dell'Ulivo 6r, <https://prova.iragazzidisipario.it/>). Approximate price 13 EUR. Located 20-25' by foot from the meeting venue (the lunch break on that day will be longer than usual)
- Friday, Oct 6th. Trattoria Pizzeria Dante (Piazza Nazario Sauro, 12 R, <http://www.trattoriadante.com/>). Approximate price 20 EUR.

On Tuesday and on Thursday, social dinners for Training School and General Meeting, respectively, will also be organized at participants' expenses. The dinners will be served at:

- Tuesday, Oct 3rd, 20:00h. Le Murate Caffè Letterario (Piazza delle Murate, <https://www.lemurate.it/>). Approximate prices 25-30 EUR.
- Thursday, Oct 5th, 20:15h. Beppa Fioraia (Via dell'Erta Canina 6/R, <https://www.beppafioraia.it/>). Approximate price 45 EUR.

Please notice that reservations for dinner on Tuesday and lunch on Wednesday have been made considering the participants in the Training School only, and that reservations for dinner on Thursday and lunches on Thursday and Friday have been made considering the participants in the General meeting only.

Participants will be contacted to confirm their attendance and meal preference. All places offer vegetarian choices.

TRAINING SCHOOL PROGRAMME

Tuesday, October 3rd	
14:00-14:15	Welcome and tour de table
14:15-14:45	Legal framework of environmental risk assessment (<i>Silvia Pieper</i>)
14:45-15:15	Principles of risk assessment (<i>Silvia Pieper</i>)
15:15-16:00	The process of application for pesticide registration (<i>Lennart Weltje</i>)
16:00-16:30	<i>Break</i>
16:30-17:00	Overall impacts on biodiversity and non-target ecosystems (<i>Silvia Pieper</i>)
17:00-17:20	Risk assessment on aquatic organisms (<i>Annette Aldrich</i>)
17:20-17:40	Risk assessment on soil organisms (<i>Gesa Amelung</i>)
17:40-18:00	Risk assessment on birds and mammals (<i>Annette Aldrich</i>)
Wednesday, October 4th	
9:00-11:00	Hands-on exercises (<i>Christina Mordziol, Gesa Amelung</i>)
11:00-11:30	<i>Break</i>
11:30-11:45	Risk assessment on amphibians and reptiles (<i>Manuel Ortiz</i>)
11:45-12:15	Assessment of mixtures and multiple stressors (<i>Marion Junghans</i>)
12:15-12:45	Risk management (<i>Annette Aldrich</i>)
12:30-14:15	<i>Lunch</i>
14:15-14:45	Retrospective risk assessment, monitoring and pesticide usage data (<i>Marion Junghans</i>)
14:45-15:45	Discussion about addressing uncertainty in risk assessment
15:45-16:15	<i>Break</i>
16:15-18:00	Project design exercise

GENERAL MEETING PROGRAMME

Thursday, October 5th	
8:45-8:55	Welcome (<i>Marta Biaggini</i>)
8:55-9:05	Progress review of PERIAMAR COST Action and meeting objectives (<i>Manuel Ortiz</i>)
Block 1 – The risk assessment scheme	
9:05-9:15	Review of the risk assessment scheme for amphibians and reptiles (<i>Manuel Ortiz</i>)
9:10-9:25	Defining Specific Protection Goals (<i>Silvia Pieper</i>)
9:25-9:45	Discussion. The risk assessment scheme
Block 2 – Indicator and focal species	
9:45-10:00	A new Atlas of European amphibians and reptiles through the combined use of GIS analysis and interactive applications (<i>Simeon Lukanov</i>)
10:00-10:15	A database of snakes', freshwater turtles' and tortoises' life history traits (<i>Ana Marques</i>)
10:15-10:45	<i>Break</i>
10:45-11:00	Identification and definition of indicator species (<i>Manuel Ortiz</i>)
11:00-11:15	Discussion. Indicator and focal species
Block 3 – Exposure assessment	
11:15-11:30	Predicting amphibian body burdens after dermal uptake of pesticides from soil (<i>Valentin Mingo</i>)
11:30-11:45	Proof-of-concept model regarding exposure and accumulation of currently used pesticides in sand lizards (<i>Peter Vermeiren</i>)
11:45-12:00	Exposure refinement based on biological and ecological features (<i>Manuel Ortiz</i>)
12:00-12:15	Discussion. Exposure assessment
12:15-14:30	<i>Lunch</i>

Block 4 – Effect assessment	
14:30-14:45	Identify behavioural endpoints potentially useful for extrapolation and calculation of assessment factors (<i>Isabel Lopes</i>)
14:45-15:00	Relative sensitivity of larval amphibians and fish to pest protection products (<i>Frances Orton</i>)
15:00-15:15	Meta-analysis of toxicological data to assess reptilian sensitivity to pollutants (<i>Besta Dimitrova</i>)
15:15-15:30	Implementing a mesocosm methodology for testing the impact of pesticides on lizards (<i>Sabina Vlad</i>)
15:30-15:45	Preliminary results on exposing lizards to pesticides using a long-term mesocosm design (<i>Miruna Vizireanu</i>)
15:45-16:00	A systematic review and meta-analyses of herpetofauna studies with ecological mesocosms and their application to ERA of pesticides (<i>Enerit Sacdanaku</i>)
16:00-16:30	<i>Break</i>
16:30-16:45	Incorporating mechanistic effect modelling in environmental risk assessment for amphibians and reptiles (<i>Simon Hansul</i>)
16:45-17:15	Discussion. Extrapolation and modelling applications
17:15-17:30	Steps for developing a toxicity test method with reptiles (<i>David du Pasquier</i>)
17:30-18:00	Discussion. Toxicity test methods
Friday, October 6 th	
Block 5 – Landscape approaches	
9:00-9:20	Risk mitigation measures (<i>Annette Aldrich</i>)
9:20-9:40	Linking pesticide and amphibian monitoring (<i>Thijs Schippers, Marion Junghans</i>)
9:40-10:10	Discussion. Landscape approaches
10:10-10:40	<i>Break</i>
Block 6 – Perspectives	
10:40-12:00	Breakout groups: Action proposals for the main topics. Needs and objectives
12:00-13:00	Group presentation and discussion
13:00-14:45	<i>Lunch</i>
14:45-15:45	Planning next steps and activities. Draft final deliverable
15:45-17:00	Management Committee Meeting (agenda sent separately)