

## **Fellows supervised for a PhD at Università degli Studi di Firenze (UNIFI) (ESR4, ESR7)**

**Fellow ESR4:** Risk Assessment & Control of freshwater Aquatic Invasive Species (AIS).

### ***Summary of the project:***

ESR4 will be based at UNIFI (Italy) and will model the impact of representative freshwater invaders and develop the risk assessment protocols (using ROC curves) for preventing ecological and socio-economic damage in collaboration with the rest of the partners in Italy, UK, and Spain. He/she will also test different control measures for a range of freshwater AIS in collaboration with the rest of the partners. ESR4 will spend 6 months at INTINERA (Italy) and 3 months at NRW (UK) during the second half of the first year. He/she will be jointly supervised by UNIFI and ITINERA, but all partners involved in the modelling and risk assessment of impacts of invaders in freshwater will collaborate in the analyses, publication and dissemination of results.

### ***Host institutions:***

UNIFI will select and employ the Fellow. He/she will be registered for a PhD at Università di Ferrara, will be hosted and supervised at Università degli Studi di Firenze (Italy) by Dr Elena Tricarico & Prof Felicita Scapini (UNIFI) in collaboration with Dr Laura Aquiloni from ITINERA (Italy), and will carry out a secondment with Natural Resources Wales (UK) under the supervision of Mr Peter Gough.

**Fellow ESR7:** Impacts of Aquatic Invasive Species (AIS).

### ***Summary of the project:***

ESR7 will be based at NEMO (Italy) and will focus his/her research on the indirect biological impacts of AIS, including transmission of diseases and evolutionary effects, e.g. addressing impacts of non-native crayfish on native species, with the crayfish plague as a case example, as well as the impacts of non-native amphibians using the American bullfrog as a model. ESR7 will spend 6 months at UNIFI (Italy) who will act as co-supervisor and 3 months at ECOHYDROS (Spain). All partners involved in this project will collaborate in the analyses, publication and dissemination of results.

### ***Host institutions:***

NEMO will select and employ the Fellow. He/she will be registered for a PhD at Università di Ferrara, will be supervised by Dr Elena Tricarico, Prof Felicita Scapini (UNIFI) at Università degli Studi di Firenze and by Dr Paolo Sposimo (NEMO), and will carry out a secondment at ECOHYDROS (Spain) under the supervision of Mr Agustin Monteoliva.

Candidates should fulfil the following essential criteria:

### ***Specific Requirements of the MSCA Programme:***

- Have less than 4 years research experience (Early Stage Researcher) at the signature of the contract (measured from the time the Master's degree has been obtained).
- Not have a PhD yet.

- Not have resided or carried out any main activity in the host country for more than 12 months in the last 3 years immediately prior to the recruitment date.

*Specific Requirements:*

- A Master Degree (Distinction or Merit) in Biology, Ecology, Natural Sciences or a related discipline.
- Very good command of the English language (spoken and written / proficiency level).
- Good level of statistics
- Eligibility according to EU regulations

Desirable:

- Adaptability to different situations and capability to work both autonomously and in team
- Willingness to carry out field work

**Deadline to send the application:** 2015, July 22<sup>nd</sup> at 15 Italy time. No applications will be accepted after that date.

***Documents for the selection:*** a cover letter (underlying also candidate's motivation), CV, transcript, list of publications, two reference letters, English qualification (when available). The required docs should be sent via email for ESR4 to Dr. Elena Tricarico ([elena.tricarico@unifi.it](mailto:elena.tricarico@unifi.it)) and Prof. Felicita Scapini ([felicita.scapini@unifi.it](mailto:felicita.scapini@unifi.it)); for ESR7 to Dr. Paolo Sposimo ([sposimo@nemoambiente.it](mailto:sposimo@nemoambiente.it)) and Dr. Alberto Francesco Inghilesi ([alberto.inghilesi@gmail.com](mailto:alberto.inghilesi@gmail.com)).

***Selection:*** the candidate will be selected on his/her titles and CV. Interviews will eventually take place on the week starting July 27<sup>th</sup>. The selected candidate will receive a notification within July 31<sup>st</sup> in order to send the application form for the PhD at Università di Ferrara within August 25<sup>th</sup>. Ferrara and Firenze are in a consortium for the PhD programme. The candidate should enrol at Ferrara for administrative procedures, but will be supervised at Firenze as stated above. A joined title will be released at the end of the PhD.

**Expected start of the activity of the ESR:** 2015, November 2<sup>nd</sup>

Informal enquiries can be directed to

- Elena Tricarico ([elena.tricarico@unifi.it](mailto:elena.tricarico@unifi.it))
- Felicita Scapini ([felicita.scapini@unifi.it](mailto:felicita.scapini@unifi.it))
- Paolo Sposimo ([nemo.firenze@mclink.it](mailto:nemo.firenze@mclink.it))
- Alberto Francesco Inghilesi ([alberto.inghilesi@gmail.com](mailto:alberto.inghilesi@gmail.com))