Job description	**Selection code: 220_CRI_EMDA**

Type of post and number of positions vacant	**N. 1 (one) temporary position for 30 months as fourth level researcher (R4) in the field of epidemiological modelling and data analysis.**
Organisational structure and manager for the position	Research and Innovation Centre (CRI), Department of Biodiversity and Molecular Ecology, Applied Ecology Research Unit.
Requirements necessary for participation	• Master degree in mathematics, statistics, biology, ecology, epidemiology; • Knowledge of written and spoken English (minimum level B1), evaluated during the interview.
Exclusion from the recruitment process	The following may not participate in the recruitment process: people who have already carried out tasks of the same level at the Foundation for more than 6 months
Job description	The successful candidate will provide theoretical support to the research activities of the Applied Ecology Research Unit and collaborate to the development and implementation of innovative approaches in mathematical and statistical modelling.
Duties / Tasks	• Good knowledge in epidemiological model building and analysis with specific knowledge of zoonotic and wildlife disease models. • Computational tools development for the implementation of mathematical and statistical algorithms in the field of epidemiological modelling. • Development and application of advanced mathematical and statistical software to analyse environmental, ecological and epidemiological data.
Keywords	Epidemiological modelling, zoonotic and wildlife diseases models, eco-epidemiological data analysis
Recruitment methods	By qualifications (**maximum 30 points**) and interview, (**maximum 70 points**). The results of the recruitment process will be based on the total points obtained as a result of qualifications and performance at the interview.
Subjects covered in the interview	During the interview, that will be held in English, the following knowledge will be verified (**maximum 70 points**): • Epidemiological model building and analysis with specific knowledge of zoonotic and wildlife disease models (**25 points maximum, 17 required**); • Code source building and computational tools development to implement mathematical and statistical algorithms for epidemiological modelling (**20 points maximum, 15 required**); • Development and application of advanced mathematical and statistical software packages to analyse environmental, ecological and epidemiological data. (**20 points maximum, 15 required**); • Knowledge of the activities and organization of Fondazione Edmund Mach (**5 points**). The candidate must obtain a **minimum mark at the interview of 50/70 points.**
Criteria for the pre-selection	On the basis of the information contained in the *curricula* or demonstrated by candidates, **the best 10 applicants**, based on the highest scores obtained following the criteria below, **will be selected and admitted to the interview phase (maximum 30 points)**: • PhD in mathematics, statistics, biology, ecology, epidemiology (**5 points**); • Work experience in the field of epidemiological data analysis and modelling in qualified research institutions or Universities (**between 1 and 5 points for each year, depending on the relevance of the research activities, up to a maximum**

	of 15 points); • Scientific publications in journals with Impact Factor (IF) in the field of modelling, data analysis, ecology, epidemiology and to their applications to life science (**between 0.5 and 3 points for each publication, depending on IF: 0.5 if IF<1; 1 if IF between 1 and 1.5; ; 1.5 if IF between 1.5 and 2; 2 if IF between 2 and 2.5; 2.5 if IF between 2.5 and 3; 3 if IF higher than 3; and up to a maximum of 15 points**).
Knowledge of languages in the context of the Common European Framework of Reference for Languages (CEFR): level of knowledge and method of ascertainment	Knowledge of written and spoken scientific English will be verified (to be checked by an interview on a subject of a technical or scientific nature) at a minimum level corresponding to B1. *To understand the levels of knowledge required consult the dedicated page at the EUROPASS site:* https://europass.cedefop.europa.eu/it/resources/european-language-levels-cefr **In the event that it is ascertained that the candidate does not have knowledge of English corresponding with level B1, s/he will be excluded from the recruitment process.** Knowledge of English, self-certified in the pre-selection process, will be checked during the interview, as specified above. If it is ascertained that the candidate does not have knowledge of scientific English corresponding with level B1, s/he will be excluded from the recruitment process.
Methods and deadlines for communication of the calendar and location to candidates admitted to the interview/test	Candidates admitted to the interview phase will be informed of the date and location via e-mail (**NO PEC**), sent to the contact address used to send the curriculum, at least 10 days before the interview date. The interviews will be held at the Fondazione E. Mach in San Michele all'Adige (TN).
Gross annual remuneration	Temporary employee contract "CCPL Fondazioni", Fourth level Researcher, yearly Euro 33.357,19 including 13° and 14° months.
Deadline for presentation of applications and deadline for the conclusion of the recruitment procedure	Applications must **arrive by and no later than 23:59** (the date and time of receipt shown in the electronic mail account of the Foundation shall be valid) **on February 26, 2017.** The recruitment procedure will terminate at the latest by August 26, 2017.
How to present applications	Applications to participate in the selection (professional curriculum vitae and other relevant documentation), must be sent in electronic format to the e-mail address (**NO PEC**) curricula@fmach.it, indicating the recruitment code in the object of the message **(220_CRI_EMDA – Temporary researcher R4)**. The work curriculum must be saved with file extension: **Surname Name_CV.doc , or .pdf.** In cases of access issues due to disability, please contact the following telephone number +39 0461 615542.
Proof of documentation in the event of hiring and relative deadlines	By at least 10 days before the date of hiring, the candidate must provide the following, on penalty of cancellation: • Certificate of MSc;
Results of the selection	The results of the selection will be communicated to the candidates at the end of the recruitment procedure individually via e-mail (**NO PEC**), sent to the contact address used to send the curriculum.
Hiring conditions and categories covered by Law 68/99	It is underlined that the Fondazione Edmund Mach applies D.lgs. 368/2001, including article 5, paragraph 4 bis, which excludes the possibility of legitimately prolonging or renewing temporary contracts for equivalent roles for more than 36 months.

	Furthermore, the Foundation reserves the right to carry out appropriate checks in relation to the truthfulness of the information stated in the application and the enclosed curriculum. Finally, candidates are invited to state whether they belong to the categories recognised according to Law 68/99 and indicate this in the curriculum sent to participate in the recruitment process.
Handling of data	The curriculum must include the following phrase, otherwise the candidature will not be taken into consideration: **I agree to the handling of my personal data in accordance with D.lgs. 196/2003.** The candidate takes full responsibility for all the information included in the application form and curriculum vitae. The Foundation reserves the right to request documentary proof of the qualifications listed by the candidate considered suitable for the post offered.

Before carrying out the tests and/or evaluation interview, the candidate shall be identified and asked to complete a declaration, if this has not already been presented, stating:

- that he has the requirements indicated in the notice;
- that there are no reasons for incompatibility provided for by the law or linked to interests of any kind with reference to the scope of the employment;
- that he has no criminal convictions and is not subject to measures related to the application of prevention measures, civil decisions and administrative provisions registered in the criminal record;
- the truthfulness of the declarations made in the application/ curriculum and an undertaking to communicate any subsequent changes.

For any matters not covered by this recruitment notice, reference should be made to "**Regulations for the recruitment of human resources at the Fondazione Edmund Mach**".

The Director General
Dr. Sergio Menapace