


## MUSEUM NATIONAL D'HISTOIRE NATURELLE

## Post-doctoral position: Conservation translocation efforts in the Western Palearctic

<b>Location</b>	<p><b>Muséum National d'Histoire Naturelle (MNHN)</b> CESCO, UMR 7204, 75005 Paris, FRANCE</p> 
<b>Duration</b>	1st October 2022 –28th February 2025
<b>Position aims</b>	<p><b>Description of the project</b></p> <p><b>Background:</b> Conservation translocations are voluntary movements of wild species by humans into more or less anthropized ecosystems with a conservation objective. They include reintroductions, reinforcements, assisted colonisations, and ecological replacements (IUCN 2013). They are an increasingly used as biodiversity conservation tools, but their data are scattered and poorly standardized, which hinders the evaluation of ecological benefits and feedbacks from these translocations. The BiodivRestore project (Biodiversa/WaterJPI) "Translocations of flora and fauna for conservation and restoration: ecological, evolutionary and socio-economic impacts at multiple scales" (Transloc, resp. F. Sarrazin, CESCO) brings together 10 research teams from 7 countries (see <a href="http://www.waterjpi.eu/joint-all/joint-call-2020-biodivrestore">http://www.waterjpi.eu/joint-all/joint-call-2020-biodivrestore</a>). Its objective is to document, quantify and analyse translocation efforts in the Western Palearctic and their results in terms of population viability using interdisciplinary approaches. This project relies on a database (TransLoc database <a href="http://translocations.in2p3.fr/">http://translocations.in2p3.fr/</a>) co-constructed for about ten years by the laboratories ESE (UParis-Saclay- CNRS-AgPt), CESCO (MNHN-CNRS-SU), with the support of BBEES (CNRS-MNHN).</p> <p><b>Main tasks:</b> Within the framework of the project, a post-doctoral position is open at CESCO to understand the impact of translocated species of different taxa (plants, mammals and birds) on their receptor communities at different spatial scales (from local biological communities to continental assemblages). The Post-Doc will also analyse the influence of policy choices on translocated species diversity. These studies will rely heavily on data collected in the TransLoc database, and on additional information collected on these programs. Three main approaches will be possibly considered:</p> <ol style="list-style-type: none"> <li>1) analysing the distribution of translocation efforts in terms of diversity and phylogenetic originality, particularly in plants, in continuity with previously published work on birds and mammals (Thévenin et al. 2018 PNAS) ;</li> <li>2) analysing the influence of translocation strategies on the diversity of mammalian traits, particularly functional traits, in host biological communities over the past few decades. By combining data on the distribution and success of translocations evaluated in the other work packages (WPs) of the project with data on species distribution and functional traits, it will be possible to study how translocations may have contributed to the restoration of lost or degraded ecological functions from local to regional scales.</li> <li>3) contributing to the analysis of the role played by different European policy instruments, and investment programs (e.g. directives, Life projects, etc.), legal and administrative constraints, as well as projected economic costs, on conservation translocation initiatives at the continental scale.</li> </ol> <p>This work will be part of WP3 (translocation efforts) of the TransLoc project but will be carried out in close interactions with the other WPs of the program: WP2 database, WP4 success and efficiency, WP5 congruence with global changes, WP6 socio-economic aspects, WP7 global performance, WP8 dissemination and feedback to stakeholders</p> <p>The recruited will work at CESCO in close coordination with ESE, co-leader of WP3.</p>

	<p>He/she will also actively participate in the co-leadership of WP3 and the global project with the project PI and the leaders of each partner team.</p> <p><b>Expected outcomes</b></p> <ul style="list-style-type: none"> <li>- Production of results on the three main missions presented in the project description.</li> <li>- First authorship of at least on publication and co authorship of others</li> <li>- Contribution to the enrichment of the Transloc database.</li> <li>- Good collaboration with all the partners of the project.</li> </ul>
<b>Main collaborators</b>	François Sarrazin (CESCO), Jean Baptiste Mihoub (CESCO), Maud Mouchet (CESCO), Bruno Colas (ESE)
<b>Networking</b>	<ul style="list-style-type: none"> <li>- Position at CESCO in close coordination with ESE, co-leader of WP3 of the Transloc project. The post-doc will actively participate to the co-leadership of WP3 and the global project with the project PI F. Sarrazin, and the leaders of each partner team.</li> <li>- The post -doc will also be in contact with many managers or decision makers concerned by conservation translocations as well as the leaders of the BiodivRestore call.</li> </ul>
<b>Skill and Knowlegde</b>	<p><b>Education</b> : PhD, (possibly post-doc experience) in ecology, biodiversity conservation</p> <p><b>Requirements</b>: Knowledge in macro-ecology (phylogenetic and/or functional diversity in priority, particularly analysis of large scale diversity patterns), population and/or community ecology, skills in handling databases and mastering statistics. Experience in characterizing functional traits not necessary but appreciated.</p> <p><b>Knowledge</b>: Population and community ecology, conservation ecology, openness to social sciences</p> <p><b>Professional skills</b>: Autonomy, initiative, good interpersonal skills, ability to lead an international network, English essential, skills in at least one other European language appreciated.</p>
<b>Work conditions</b>	<p>Full time position</p> <p>Post Doc located in the offices of CESCO, at the museum in Paris city center. (43--61 rue Buffon, 75005 Paris)</p>
<b>Contacts</b>	<p>Send CV, cover letter and references to :</p> <p>François Sarrazin : francois.sarrazin@mnhn.fr</p> <p>Jean Baptiste Mihoub : jean-baptiste.mihoub@mnhn.fr</p> <p>Maud Mouchet : maud.mouchet@mnhn.fr</p> <p>Bruno Colas: bruno.colas@universite-paris-saclay.fr</p> <p>First application deadline : 31st August 2022</p>