

RESTORE Short Term Scientific Mission Hosting proposal

STSMs are research visits to a host institution where the applicant will perform research activities that advance the objectives of RESTORE. STSMs must be between 5 and 90 days (although, they may exceed that duration in specific instances for Early Career Investigators). Successful STSM applicants are financially supported by the Action with a fixed contribution of up to 2500 EUR. STSMs do not fund research activities, only travel related costs. This information will be posted on the RESTORE website for potential applicants to review.

HOST Institution:	Name: University of Auckland, School of Architecture and Planning Country: New Zealand ITC Country: no Website: University: https://www.auckland.ac.nz/en.html School: https://www.auckland.ac.nz/en/creative/about-the-faculty/architecture-planning.html
Supervisor of the STSM:	Name: Dr Paola Boarin Position: Senior Lecturer Email: p.boarin@auckland.ac.nz Phone : +64 9 923 2142
	RESTORE MC Member: no ECI: no
The scope of the proposed research and its relevance for RESTORE Action (please identify the working group the topic is relevant as well as the special knowledge or equipment available at your institution):	
<p>The supervisor is member of WP1 - <i>Sustainability: Restorative to Regenerative</i> and WP3 - <i>Restorative Building and Operations</i> and her research focuses on the regeneration of existing buildings to improve their value for users and the environment. The main topic of interest for the STMS is the regenerative approach to existing building, also those with heritage values, the regeneration of the physical and functional environment, the recycling and reuse of construction materials.</p> <p>The supervisor is currently the Principal Investigator of a Faculty-funded research on the energy retrofit and indoor environmental quality improvement of heritage buildings in New Zealand. The research has the ultimate goal of identifying strategies for the heritage-sensitive retrofit and adaptive reuse of existing and historic buildings in New Zealand.</p> <p>The supervisor is also involved as Associate Investigator in the National Science Challenge 11 - <i>Building Better Homes, Towns and Cities</i>, the NZ Ministry of Business, Innovation and Employment's premier science investments on issues that matter to all New Zealanders. Within the NSC, the School of Architecture and Planning is the Principal Investigator of the Strategic Research Area - <i>Shaping Places: Future Neighbourhoods</i>, which has the objective of improving the quality and supply of housing and creating smart and attractive urban environments, with a focus on housing in the context of the wider neighbourhood. Several researchers from the School, including the supervisor, are involved in this STA on topics such as the Post Occupancy Evaluation of the environmental sustainability at neighbourhood level, the integration of electric and autonomous vehicles, the issue of universal design and design for elderly people at neighbourhood level, the challenge of living at density and the governance level.</p> <p>STMS Researchers can be involved in either or only one of the above research streams according to their expertise/knowledge.</p>	
Potential applicant requirements:	
<p>All applicants should have at least basic knowledge in the fields of sustainability assessment of the built environment (buildings and/or neighbourhoods). Fluent knowledge of spoken and written English is required.</p> <p>Applicants willing to contribute to the existing building regeneration stream, should have at least basic knowledge in the field of energy retrofit and IEQ upgrade of the existing built environment and/or in Post Occupancy Evaluation processes. Preference will be given to applicants with expertise/knowledge in the sustainable retrofit of historic buildings.</p> <p>Applicants willing to contribute to the neighbourhoods stream, should have at least basic knowledge in the field of environmental sustainability frameworks for the construction and regeneration of urban environments.</p> <p>Successful applicants will be required to offer a seminar to the staff of the School of Architecture and Planning on matters related to the COST action and on other tangential fields of research they might be involved into. Proactivity and willingness to develop joint publications during the STMS will be welcomed.</p>	

NOTE: This form should not exceed one page.