

Built Environment leArning for Climate adaptatiON

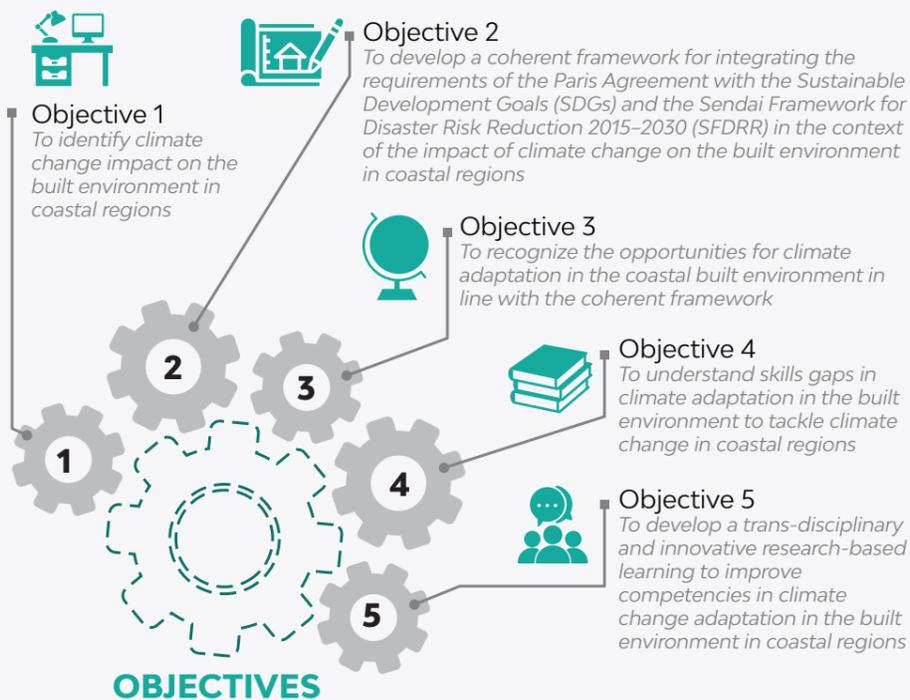


Website
<http://beacon-researchproject.org/>



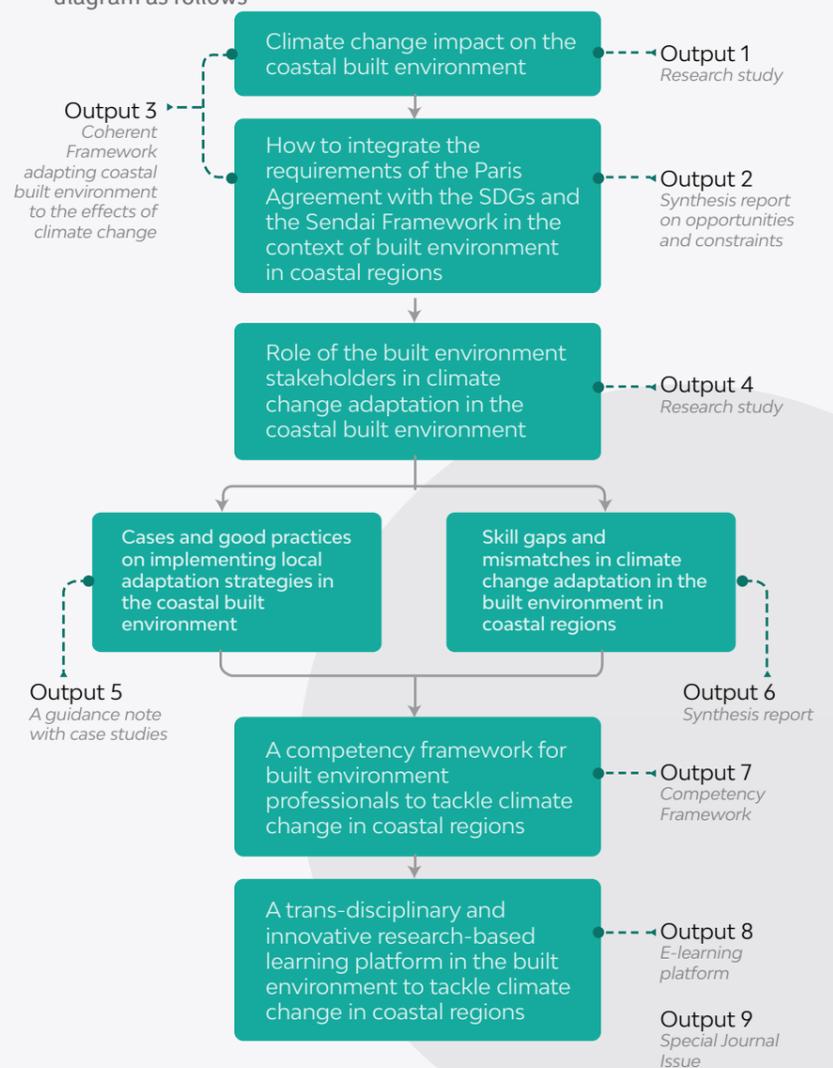
Research problem

The effects of the climate change will have devastating effects on the vulnerable coastal built environment as it has the ability of inundating the existing built environment due to direct threats to properties, infrastructures, coastal industries, coastal and marine ecosystems. Furthermore, coastal areas are known to highly populated due to urban centers being located near the coastal belts further increases the predicament. Considering this there is a vital necessity to develop tangible climate adaptation measures in the coastal built environments. However, there is a significant knowledge gap in relation to effective responses and adaptation measures to climate change impacts within the built environment as well as the construction and property industries. In addressing this it is essential to upgrade the knowledge and skills of the built environment professionals as they will be lead roles in this climate change adaptation process. Accordingly, the project aims to develop trans-disciplinary and innovative research-based learning in the built environment to tackle climate change in coastal regions and the project objectives have been set out as follows.



How does the research address the problem?

BEACON will achieve the above-mentioned objectives by delivering 9 intellectual outputs. These outputs are demonstrated in the project process diagram as follows



Who is involved in the research?

University of
HUDDERSFIELD
Inspiring global professionals

Global Disaster Resilience Centre (Coordinator)
School of Applied Sciences,
The University of Huddersfield, UK
www.hud.ac.uk/gdrc



Lund University
Sweden
www.lunduniversity.lu.se



L-Università
ta' Malta
Universita Ta Malta
Malta
www.um.edu.mt



UC
UNIVERSIDAD DE CANTABRIA
IHcantabria
INSTITUTO DE HIDRÁULICA AMBIENTAL
UNIVERSIDAD DE CANTABRIA

Universidad De Cantabria
Spain
ihcantabria.com/en/



University of Colombo
Sri Lanka
cmb.ac.lk



University of Moratuwa
Sri Lanka
uom.lk

Planned Activities

Together with the above mentioned 9 outputs, four multiplier events are planned to disseminate the intellectual outputs developed as part of the project. Details of these four multiplier events are as follows.

- Stakeholder seminar 1: Opportunities and constraints for integrating the needs and requirements of the Paris Agreement with the SDGs and the Sendai Framework in addressing climate change impact on the coastal built environment.
- Stakeholder seminar 2: How can we adapt the built environment to mitigate the effects of climate change during design, construction, and retrofitting?
- Stakeholder seminar 3: Local climate change adaptation strategies in the built environment
- Research symposium: on climate change adaptation in the built environment (with specific emphasis to coastal regions)

Contact information | Global Disaster Resilience Centre, School of Applied Sciences, University of Huddersfield

Principal investigators

- Professor Dilanthi Amaratunga
d.amaratunga@hud.ac.uk

- Dr. Chamindi Malalgoda
c.malalgoda@hud.ac.uk
- Professor Richard Haigh
r.haigh@hud.ac.uk

Researcher

- Ms. Shavindree Nissanka
Shavindree.Nissanka@hud.ac.uk

Funded by



Co-funded by the
Erasmus+ Programme
of the European Union

Disclaimer:

The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein