Ph.D. PROGRAM in

*SUSTAINABLE TECHNOLOGIES FOR INDUSTRIAL AND CONSTRUCTION ENGINEERING*

(SUSTAIN)

**RESEARCH PROPOSAL TEMPLATE**

1. **TITLE**
2. **SUMMARY (max 250 words)**

The summary should provide a concise overview of the research proposal and briefly explain the research motivation and ambition, the methodology, the main activities planned, the expected results and their expected impact.

1. **BACKGROUND AND RATIONALE (max 500 words)**

Explain the background and issues of the proposed research, including:

* a brief literature review
* a summary of the main debates and developments in the field
* a statement of the main research needs in the field

1. **RESEARCH MOTIVATION AND RELEVANCE FOR THE Ph.D. PROGRAM (max 300 words)**

Clearly explain the key issues and questions to be explored in the proposal, why they are worth exploring and why they are pertinent and relevant to the PhD program.

1. **PROPOSAL DESCRIPTION** 
   1. RESEARCH DESIGN AND METHODOLOGY (**max 500 words**)

Describe the theoretical resources, research approach and research methods appropriate to the proposed research, highlighting both the advantages and limitations of each approach and method.

* 1. PLAN OF WORK & TIME SCHEDULE (**max 500 words**)

Outline the different phases and corresponding timelines for the development and implementation of the research.

1. **EXPECTED RESULTS AND IMPACT (max 300 words)**

Identify how the expected results would affect the research field and the society.

1. **BIBLIOGRAPHY**

Provide a selection of references that are appropriate for the proposed research and are discussed in the research proposal.