



A V V I S O D I S E M I N A R I O

Service life extension and management



Sebastian THÖNS - Professor at Lund Univerisity

Tuesday, **May 16, 2024** at **11 a.m.**

Aula Villaggio, Building A first floor, Structural Division.

Department of Civil and Industrial Engineering, Engineering School, Pisa University.

Abstract

The service life of infrastructures is of high relevance for the provision of societal and industrial functionality and sustainability. Despite this high relevance, the service life is seldomly explicitly modelled and analysed in infrastructure engineering and research. This seminar sets out to introduce and discuss approaches for the following questions:

1. What is service life limiting?
2. How can the service life end be modelled?
3. How can the service life be extended?

In the seminar, methods of structural reliability, structural reliability adaptation with measures and observations, structural integrity management and the methods of risk and decision analysis will be outlined. Their usage and application for the service life quantification and extension will be demonstrated.

Organization and Contact details

Seminar organised in the context of the initiatives promoted by the PhD course:
Dottorato in Analisi e Controllo di Strutture e Opere d'arte Infrastrutturali.

Contact details:

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Pisa, May 16, 2024.

(Prof. Ing. Walter Salvatore)