



Workshop Overview

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Agenda

- Introduction
- Workshop objectives
- Acknowledgements
- Approach and structure
- Special workshop on Austrian experiences

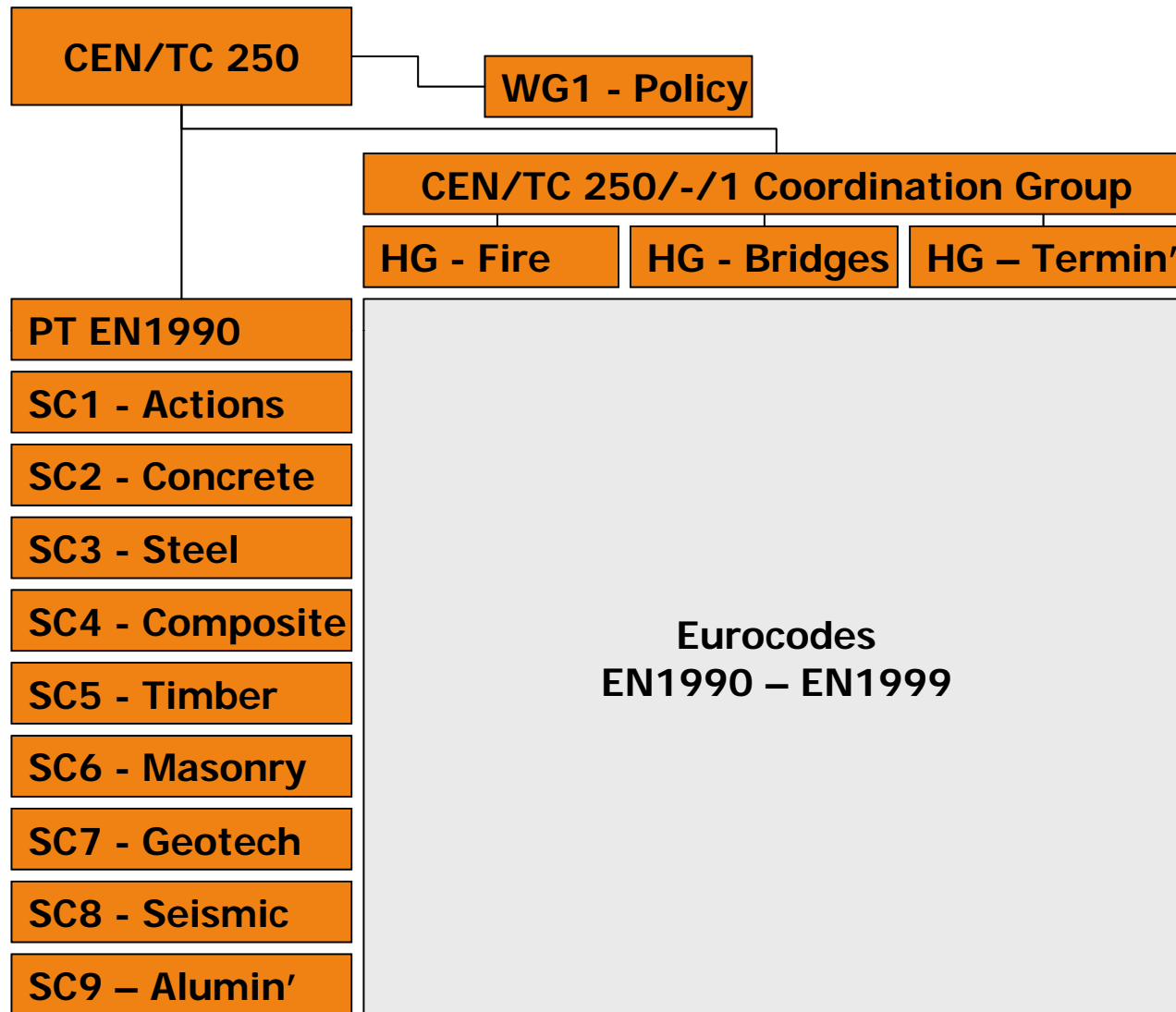
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Introduction

- On behalf of CEN/TC 250 HG-Bridges,
‘welcome to the workshop’
- Do enjoy the next three days
- We look forward to meeting you and your feedback

Introduction



Purpose of HG - Bridges

The purpose of HG-B is to:

- facilitate technical liaison on matters related to bridges with SCs and EN1990 Expert Group; and,
- to support the wider strategy of CEN/TC 250

Strategy for HG - Bridges

The strategy for HG-B will embrace the following workstreams:

1. Maintenance (liaison role)
2. Development of NAs and harmonization (support and liaison role)
3. **Promotion (training/guidance and international)**
4. Future developments
5. Promotion of research needs

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Workshop Objectives

- The principal objectives of the workshop are to:
 - transfer knowledge and information to representatives of key organisations/institutions, industry and technical associations;
 - provide state-of-the-art training material, background information and worked examples to Eurocodes trainers and users;
 - facilitate exchange of views, networking and cooperation.

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Acknowledgements

- Austrian Federal Ministry for Transport, Innovation and Technology
- Austrian Standards Institute
- JRC
- Members of HG-Bridges
- Additional session authors

Acknowledgements

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- Eva M. Eichinger-Vill
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- Georgios Tsionis

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Approach and Structure

- Workshop is structured around the design of a steel-concrete composite highway bridge
- Not covering timber or railway loading

Approach and Structure

- Example was based on work previously undertaken by SETRA, but adapted for this workshop
- Workshop content was agreed by all session authors, who then developed the modules
- Each session provides an introduction to a Eurocode and illustrates its application in the design of the composite bridge

Approach and Structure

EN 1990	Eurocode: Basis of structural design
EN 1991	Eurocode 1: Actions on structures
EN 1992	Eurocode 2: Design of concrete structures
EN 1993	Eurocode 3: Design of steel structures
EN 1994	Eurocode 4: Design of composite structures
EN 1995	Eurocode 5: Design of timber structures
EN 1996	Eurocode 6: Design of masonry structures
EN 1997	Eurocode 7: Geotechnical design
EN 1998	Eurocode 8: Design for earthquake resistance
EN 1999	Eurocode 9: Design of aluminium structures

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Approach and Structure

- Recommended values used for NDPs, (or stated values for country specific data)
- Impossible to cover everything, so focus is on key aspects and illustrations
- General overview of key concepts included in EN1990 session

Approach and Structure

- Presentations by Eurocode experts
- Some further comments and illustrations provided of recent advances
- Questions invited at the end of each session
- Examples to be included in JRC report

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Special workshop on Austrian experiences

- Special session on Austrian experiences of using Eurocodes
Tuesday :16:35 – 18:00