The CIB W106 on “Geographical Information systems” will present the final output of its current Work Programme at its meeting taking place during the CIB Triennial Congress on May 2-7 2004 in Toronto, Canada. Below follows an abstract of the contents of the planned publication.

Abstract

In the building and construction sector all features are location based. The world of geographic information and application orientation is moving extremely fast, and there is a real danger that the slow uptake of new technology and applications in the building sector will again leave the sector trailing behind, also implying a loss in sustainable development and competitive edge.

In order to deal with this issue, CIB established the CIBW106 “Geographical Information Systems”, in 2000 with the overall objectives to provide an international platform for R&D of GIS applications for the built environment, and to promote and encourage the use of GIS in the building sector. The W106 have had members from 14 countries/organisations and will present its final report with conclusions and recommendations at this Congress.

The work has been divided into the following four Tasks: T1-GIS-reuirements and availability of geographic standards-, -data and infra-structures, TG2 GIS-based analysis and modelling of flow and distribution of materials in the built environment, TG3- Spatial dynamic modelling for Simulation of the interaction between the natural and the built environment, TG4-GIS in Education and Info sources. Objectives and work programme for each of these tasks are given and illustrated with examples, such as Standards for geographic information, framework for sharing of Durability/Exposure data and spatial modelling of exposure environment and service life on object and network level, waste management, management of cultural heritage, educational issues and international Info sources as these are horizontal topics to support strategically the awareness on GI relevance in the Built sector. In the course of the work each country/organisation elaborated state –of-the-art reports on the use of GIS.

Additional Information

If you would like to find more about the activities of W106, please contact one of the following:

1. S.E.Haagenrud  svein.haagenrud@byggforsk.no
   Norwegian Building Research Institute
   Norway

2. Ivan Cole  ivan.cole@dbce.csiro.au
   CSIRO, Australia
3. Christer Sjöström  
   christer.sjostrom@hig.se  
   The centre of Built Environment,  
   University of Gävle, Sweden

4. M. Antonietta Esposito  
   epu@unifi.it  
   Universita degli Studi di Firenze – TAD/ GIS_LAB  
   Italy