



“CLIMATE FOR CULTURE” – THE DECISION-MAKING SUPPORT SYSTEM

Aleš Sládek^a, Oto Sládek^b, Vlatka Rajčić^c

^a *Kybertec Ltd., Czech Republic, sladek@kybertec.com*; ^b *Kybertec Ltd., Czech Republic, sladek.ales@kybertec.com*; ^c *Faculty of Civil Engineering, University of Zagreb, Croatia, vrajcic@grad.hr*

ABSTRACT: The Decision Making Support System (DMSS) is one of the most important outcomes of the Climate for Culture project as it provides the synergy of the results of several work packages and puts them into use.

It is a software module for easy and continuing evaluation of climate data using the new damage functions, developed by WP4, embodying latest research on climate effects.

The most important part of the DMSS is the prediction of the indoor climate change based on the simulation of the outdoor climate change. This prediction are provided and based on the risk maps prepared by WP5 for the selected case studies or generic buildings with predefined properties.

Integrated in DMSS is the Expert system done by WP7 with built in knowledge and methodology for best practice advice in regard to maintenance and mitigation strategies for a specific building type in a specific climatic region in Europe and the Mediterranean.

Presented topic is not focused on the research itself but more on the application of the results. The paper and given presentation therefore provides information on the concept and detailed structure of the DMSS tool and its application on the real life problems of cultural heritage. Examples of how to use the tool in different ways are also presented.