

CONCLUDER system for decision making

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The consistency-driven pairwise comparisons method (CDPC) is primarily for multi-criteria decision making. Pairwise comparisons have been used for projects of national importance (e.g., the use of nuclear power). This project was originally financed by the Ministry of Northern Ontario and Mines well as Euro Grant (Human Capital). It is a stand alone system but could also be used with any expert or knowledge management system.

Pairwise comparisons (PC) are basis for practically the entire science. Usually, we compare tangible quantities (such as distance or weight) to well established units (meter or kilogram) without even realizing that we use a pair (quantity, unit). PC approach also works objects and concepts where unit is not known (safety, satisfaction, curability, environment, etc.). The possibility of applications is unlimited.

Java implementation is provide by D. Xu as a part of his MSc thesis (supervised by Prof. Waldemar W. Koczkodaj who what the designed of the original C++ implementation for Ontario Ministry of Northern Development and Mines).

Keywords: decision making, pairwise comparisons, inconsistency analysis, Java

Repository location:

<http://sourceforge.net/projects/concluder/?source=directory>