Terms of Reference for Civil Engineering Competences – TUNING approach

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Abstract: (250 to 500 words: for each heading use the bullet points or narrative - the submission including graphics should not exceed one page)

In developing the (CALOHEE) Tuning model, it was concluded that ‘dimensions’ are an indispensable tool, because they make it possible to distinguish the principal aspects that constitute the subject area. Dimensions help give structure to a particular sector or subject area and also make its basic characteristics more transparent. Furthermore, the ‘dimension approach’ is complementary to the categories included in the EQF for LLL, which uses the categories of knowledge, skills and wider competences to structure its descriptors. Thus, in CALOHEE terms, the three columns correspond to a ‘knowledge framework’, a ‘skills framework’ and a ‘wider competency framework’, linked by level. The last column, the ‘wider competency framework’, refers to the wider world of work and society and identifies the competences required to operate successfully in the workplace and as a citizen. It builds on the first two elements: knowledge and understanding and the skills necessary to develop and apply this knowledge. The use of the learning outcomes and competences approach implies changes regarding the teaching, learning and assessment methods. Tuning has identified approaches and best practices to form the key generators of change. Finally, Tuning has drawn attention to the role of quality in the process of (re-)designing, developing and implementing study programmes. It has developed an approach for quality enhancement which involves all elements of the learning chain. It has also developed a number of tools and identified examples of good practice which can help institutions to improve the quality of their degree programmes.

Keywords: (up to 5 keywords)
Civil Engineering, Competences, Bachelor, Master, Tuning

Graphics: (please use the gray area bellow for representative graphics or graphical summary: select the gray area bellow and paste your graphics)