

## Documents

Križaić, V.<sup>a b</sup>, Varga, M.<sup>a b</sup>, Gradišer, L.<sup>a b</sup>, Buč, S.<sup>a b</sup>

**Legalization Applications Integration**

(2017) *Procedia Engineering*, 196, pp. 11-20.

**DOI:** 10.1016/j.proeng.2017.07.167

<sup>a</sup> Vladimir Križaić, MEV-GŠČ Čakovec, Trg Kalvarije 15, Podturen, Croatia

<sup>b</sup> Faculty Of Teaching Education University of Zagreb, North University Lovro Gradišer, Sanjana Buč MEV, GŠČ Čakovec, Croatia

**Abstract**

In Croatia, the voluminous project of legalization (of the illegally constructed buildings) has resulted-over the five years of implementation- in various dynamic processes in designing as such, in the surveying companies and in the state institutions when the surveying of the status quo situations in the cadastral land plots within the state is concerned. The above mentioned business entities are supported by software applications but they cooperate on the basis of their separate results. The only communication among them goes via the AutoCAD application. However, the software applications are as well developed separately since each technology has its peculiarities and even its scientific qualities thus being inaccessible for everymen in all its segments. For the purpose of integration, it is inevitable to set up the combined sciences teams to cover for all applications and to set up a networked unit. There is a series of integrating methods - such as MEP modeler, BREP, IFC and BIM - that, when supported by scientific procedures, are to contribute to enhancing of the data flow in the range from the data obtained in the field via the design data up to the databases in the respective state and business institutions. These indices of the economic quality of not only companies but the state institutions as well can be significantly improved. In other words, these integrative processes offer an opportunity as well for further scientific investigations and the development of the society in terms of automating it at the levels ranging from one single application to all respective projects. © 2017 The Authors. Published by Elsevier Ltd.

**Author Keywords**

application; automating; integration; project; software

**Index Keywords**

Applications, Architectural design, Authentication, Computer aided design, Computer software, Contracts, Integration, Surveys; Applications integration, automating, Business entities, Design data, Dynamic process, project, Scientific investigation, Software applications; Application programs

**Publisher:** Elsevier Ltd

**Conference name:** Creative Construction Conference, CCC 2017

**Conference date:** 19 June 2017 through 22 June 2017

**Conference code:** 137308

**ISSN:** 18777058

**Language of Original Document:** English

**Abbreviated Source Title:** Procedia Eng.

**Document Type:** Conference Paper

**Publication Stage:** Final

**Source:** Scopus