

Legislation to Support the Digital Transformation of Land Governance and Land Administration

Sergei Shavrov, Olga Batura, Miroslav Kobasa and Kirill Slabodich (Belarus)

Key words: Cadastre; Capacity building; Digital cadastre; e-Governance; Land management; Legislation; Standards; E-Economy, Industry 4.0, Smart-City.

SUMMARY

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In any field of economy, digital transformation is impossible without updating of the existing legislation, adoption of new laws and standards. Delay in improvement of the regulatory base becomes a barrier in the Digital Economy Development. It is important that legislation not only define a basic possibility of using these or those technologies, but also are action directives for the authorized state bodies. The main purpose of this paper is to consider the relevant directions of the legislation development for ensuring modern digital transformation and reengineering of management processes in sphere of land governance and land administration. The paper is devoted to several directions of such development.

The first direction is a problem of giving legal significance to different IT-models, such as IT-platforms (PPGIS/PPSS) that use electronic administrative regulations for inclusive participatory e-governance, land governance quality online monitoring systems, LADM external classis infrastructure and others.

The second direction is a problem of new legal relationship in e-Land Governance, Digital cadaster. In particular, legal relationship of the state(G), business (B), citizens (C) with intellectual agents (AI), such as AI-registrar, AI-bank, AI-valuator; G,B,C legal relationship with the Smart City and the Internet of Things IoT; legal relationship "Smart contract"- "Smart law"- persons of property market infrastructure (notaries, lawyers, registrars, realtors, banks and others); B&C legal relationship with the G during administrative inspections of the Real Estate objects using Earth remote sensing; relationship of G,B,C with surveys, registrars and others persons in Blockchain, during different land administration processes.

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The third direction is a problem of new business processes standardization for e-Land Governance and digital cadastre. It is planning to use ISO, OGC, IEEE standards in the field of a geomatics, Smart cities, SDI to support smart cities in all sectors, BIM&GIS integration, e-Governance and SDI in supporting decision making, 3D and 4D geospatial standards. In Belarus this work will be done in frames of special technical committee for standardization "Digital transformation" that was created in 2018.

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