

Smart Living and Land Management Information Technologies

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SUMMARY

Improving the quality of land management to ensure the economical and efficient use of the land database and promoting all the strengths of the land is an important and truly necessary work. Today, the use of information technologies in land management is an important area of research, especially for a smarter life, smart cities and the development of urban and rural areas.

The use of information technology is necessary for achieving the goals of state land management towards sustainable development. Vietnam has achieved certain results of using information technologies in the field of land management, but in the long term, a new strategy is needed with specific goals and methods to achieve its objectives.

One of the most important information technology application results at land management sphere is creation of a modern and flexible model of a database on land resources at all levels of administration - from the national to the local level.

In 2004, Vietnam accepted « Strategies for the use and development of natural resources and information technologies in the field of the environment until 2015 and direction to 2020». This document, particularly, provides for the construction of a database on natural resources and the environment as a whole, as well as the creation of a database on land plots. However, because of diversity of the use of various computer programs, such as Microstation, Famis, Autocad, Mapinfo, Vilis, TMVLis, Elis, and others, was created a complex and insufficiently effective system of land management information support.

To solve this problem, a complex (systematic) approach is needed, which involves not only a technical and technological assessment of land management software, but also the development of a

national research project on the digital economy with a part of «Smart Land Management».

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