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A SMART ENVIRONMENT INFRASTRUCTURE

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Abstract

Nowadays environmental protection has become a valuable asset for the entire society. The information based society can provide more efficient solutions in its risks mitigation. There are already in place complex infrastructures used to monitor and control the natural environment, but most of them have lower or no interdependency. A solution to gain this integration level is represented by the "smart cities" concept. This study will present an approach used to integrate almost every existing system related to environmental monitoring and control into one common view. This is required in order to quickly integrate the produced data or commands for control instruments in the main big data stream. As a result, the ability to solve environmental specific issues will be further increased due to their superior analytical ability.

Key words: distributed systems, environmental monitoring, intelligent agents, Internet of Everything, software engineering

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