



## **The Application of Green Informatization Framework and a Case Study**

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### **Abstract**

Global energy consumption and the related to CO2 emissions have increased very rapidly in the last half century and are expected to continue to grow over the next fifty years. The energy consumption associated with Information Communication Technology (ICT) is increasing, and massive numbers of disposable ICT equipment are released into the environment every year. As the need for green (i.e., environment-friendly and energy-efficient) information technology (IT) is evident, we have defined the concept of green informatization and developed a framework to assess the maturity level for an organization's green information systems-related efforts. To promote the growth of green IT, it will be important to articulate how sustainable IT can be developed and implemented within an organization. To this end, we present a case for sustainable IT - 'green informatization'.

**Keywords:** Green IT, Information Sustainability, IT Assessment