

## **The Concept of Global Information System and its Implementation in the Field of Thermodynamics**

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Global Information Systems can be defined as information systems designed to collect, process, integrate, evaluate, and communicate the entire “body of knowledge” pertaining to a field and to support any application requiring this knowledge in an “on-demand” mode with definitive information quality assessments. The progress in and principal components for implementation of this concept in the field of thermodynamics will be discussed. Significant impact of this concept's implementation for chemical process and product design, efficiency of information delivery, and journal publication quality will be illustrated.