

Field informatics : Kyoto University, Field Informatics Research Group

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Abstrak

Here we use the term "field" to refer to a sphere of practical operation, and correspondingly the term "field informatics" describes informatics tools and methodologies that arise in the field. The components of field informatics are description, prediction, design and transfer, and the methods for those components vary widely. For example, we consider the social goal of revitalizing a mountainous area experiencing depopulation and we show how the tools and methodologies of field informatics may be used to describe such situations using remote sensing, biologging, human sensing and ethnography, the effects of various solutions can be predicted using system dynamics and multiagent simulations, the solutions can be designed using inclusive design or participatory design methods; and finally the experience gained can be transferred using case writing and outreach communication.