

RELATIONSHIP BETWEEN REGIONAL DEVELOPMENT & INFORMATION TECHNOLOGY: A NEW PERSPECTIVE MODEL OF PURULIA DISTRICT

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Abstract

Aspects of regional development are one of the macro tools of development paradigm. Geographical information is the main driver for regional development and information technology in the vessel of geographical information. This paper tries to examine the relationship between different aspects of regional development with components of information technology on a particular geographical space namely the district of Purulia in West Bengal. This paper also analyzes and introduces an alternate regional development model of Purulia on the basis of integration of knowledge of geographical field observations, different GIS software and satellite imagery interpretation.

Keywords: GIS, FCC, GPS methodology

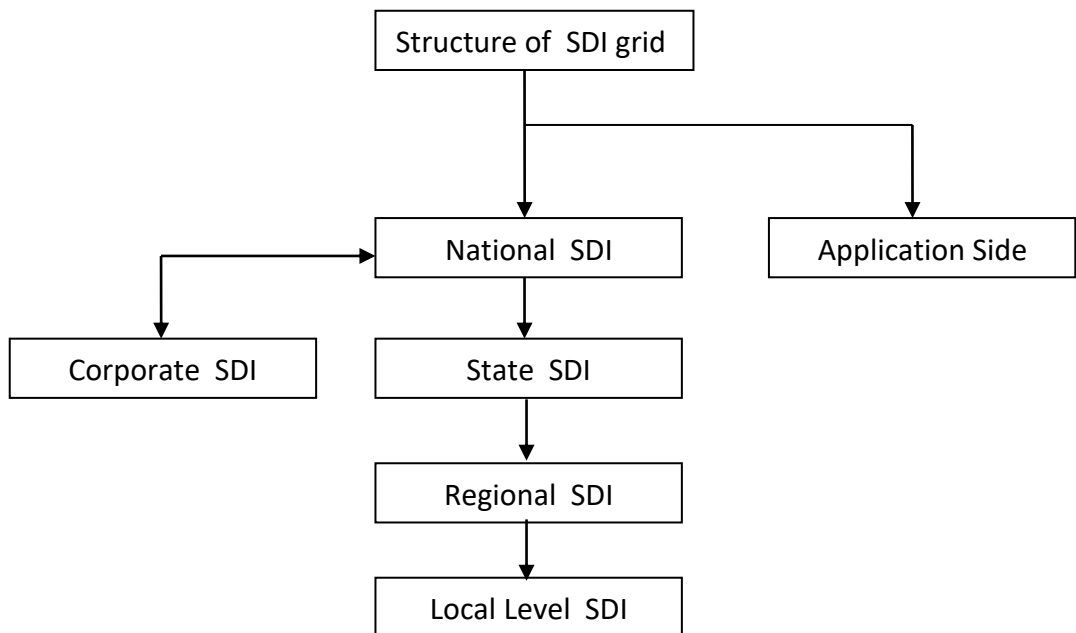
INTRODUCTION

Different aspects of regional development are the macro and micro tools of development paradigm. Huge volume of spatial information is the main driver for egalitarian regional economic development. Different components of Information Technology are the main components of modern economic development. Geographical data infrastructure plays an important role in the development of the economy and industrialization of both national provincial and regional level. As GIS specialist Dr. Pritish Nag said “while being an expedient for economy, infrastructural support a highly complex and heterogenous life system, having varied expectations and accountability depending upon the socio-economic structure. Infrastructure therefore cannot be merely visualized as physical infrastructure” (page 310). Micro to Macro level geographical data is the key for local level regional development.

The objectives of this paper are as follows:

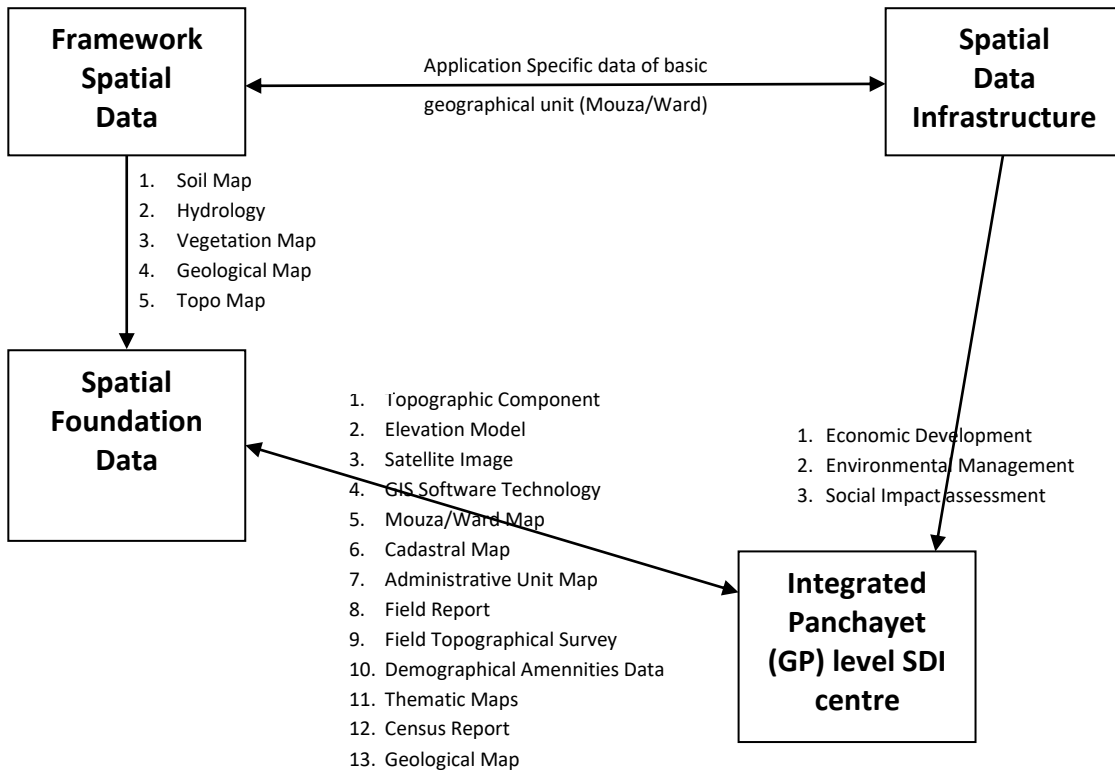
A. The relationship between regional development with components of geographical data:

We are in an age where information has become essential to solve problems of regional development. In this case spatial information is the most important component of decision making related to location. In this case Spatial Data Infrastructure (SDI) is the ideal concept for developing close relationship between regional development and components of geographical data. SDI is a sophisticated digital system composed of different components such as GIS databases, satellite imagery information through FCC interpretation and internet applications. The main structure of SDI is shown below:



B. Construction of new perspective integrated regional development model of district Purulia, West Bengal:

On the basis of integration of knowledge and field observation, different GIS software and satellite imagery interpretation and open structure of SDI, we can develop an alternative new perspective integrated regional development model of the district of Purulia. In this model *mouza* in rural area and *ward* in urban area are the basic physical geographical units.



On the basis of this model we can easily oversee both the micro to macro level geographical data of this district that can be helpful for egalitarian sustainable regional development of the district.

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