



Map India 2010

19 - 21 January at Epicentre, Gurgaon, India

GIS for Vulnerability and Food Security Mapping in World Food Programme

Bal Paritosh Dash

Assistant Programme
Officer (Vulnerability
Analysis and Mapping)
United Nations World Food
Programme (UNWFP)
India

Abstract:

World Food Programme (WFP) is the world's largest humanitarian agency fighting hunger worldwide. In 2010 WFP aims to feed more than 90 million people in 73 countries. GIS plays an important role in WFP, especially in the following key areas: Emergency preparedness and response; Logistics and transport - Besides logistics (including aviation) and communication support, Food security and vulnerability analysis. India is home to more than 230 million food insecure people (FAO-2008) and 43% of its under-five children are malnourished (NFHS-3). It is therefore important to analyze the spatial concentration of hunger and malnutrition. On this perspective, WFP-India has analyzed food security in the framework of World Food Summit (1996), covering the three dimensions of food security, viz. availability, access and absorption. WFP has prepared three national level atlases, namely "Food Insecurity Atlas of Rural India", "Food Insecurity Atlas of Urban India" and the "Atlas of the Sustainability of Food Insecurity". The state level atlases have been prepared for eight states. The presentation will present a synoptic overview of use of GIS in WFP.