



HighNoon Delivery Report D3.1

Title	Database with socio economic scenarios: population, GDP, food demand, water demand, health
Work Package Number	3
Delivery number	D 3.1
Relative task(s)	T 3.1 Determination of consistent population, economic and land and water use projections at regional level T 3.2 Refine geographical and management detail of scenarios to local level
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Function	Database
Related to deliverable number(s)	D3.3 background report
Date of completion	1 November 2010
Name Work Package Leader	H. Biemans
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To complete by the Coordinator

Date of approval by the Coordinator	15 December 2010
Date of listed	15 December 2010

Description of the database

Introduction

This deliverable D3.1 consists of a database with socio economic scenarios for the Ganges basin. The database contains two sets of socio economic scenarios for India, one derived from global scale scenarios, and one based on national scenarios downscaled with census data. This deliverable only contains the actual database with raw data. For an interpretation and discussion of the scenarios, we refer to deliverable report D3.3.

In deliverable report D3.3, the methods to create the different sets of scenarios are described, including the assumptions made and discussion of the results. Moreover a visual presentation of the scenarios are provided.

Databases:

All databases can be found on the HighNooN sharepoint at <https://portal2.wur.nl/sites/highnoon/default.aspx>, under shared project documents -> 3_Deliverables.

Global

The database containing scenarios derived from global studies is called SE_scenarios_global.xls

This database contains seven sheets with projections for different socio economic variables: population, economic growth per sector, crop production, crop area, crop risk, water demand and population under waterstress. All projections are consistent amongst each other and are projected up to 2050, except for water stress, which is projected up to 2030.

Local

At the district level, two scenarios have been developed SE_scenarios_local.xls and SE_scenarios_local_alternate.xls. The first scenario can be considered a Business-As-Usual scenario, whereas the second is a scenario with a very high population growth. Both datasets currently contain 25 datasheets, each showing one of five variables (population, GDP per sector, Food demand, Water demand, and Health Subcenters) for all districts in one of five states (Uttar Pradesh, Uttarakhand, Bihar, Jharkhand and West Bengal). Scenarios for other states within the Ganges basin will be added in a later stage (see Midterm report).