

## Supplementary Files for:

### Introducing Irrigation Water into GTAP Data Base Version 9

#### Introduction

This document introduces some important files used in constructing GTAP-Water Data Base. Note that full GTAP-Water Data Base and propriety supplementary files are only available to GTAP subscribers at the following link:

[https://www.gtap.agecon.purdue.edu/resources/res\\_display.asp?RecordID=5168](https://www.gtap.agecon.purdue.edu/resources/res_display.asp?RecordID=5168)

However, the materials which do not need a GTAP license are available on the Journal website. Here is a list of available materials:

	Folder name	Contents
1	Mappings	1-1- Map from grid to RB-AEZ-Region .xlsx 1-2- IMPACT River Basins.xlsx 1-3- Map FAO crops to GTAP 8 crops.xlsx 1-4- Map of PSD crops to GTAP 8 cro .xlsx 1-5- Map to 19 GTAP regions.xlsx
2	Land Use 2000	Land_Use_2000.HAR <i>This file includes production and harvested area in 2000 for 140 regions, 18 AEZs, 126 global river basins.</i>
3	Land Use 2011	Land_Use_2011.har <i>This file includes production and harvested area in 2011 for 140 regions, 18 AEZs, 126 global river basins.</i>
4	Water 2000	BlueWater2000_140reg126rb18aez.xlsx <i>This file includes water requirement in 2000 for 140 regions, 18 AEZs, 126 global river basins.</i>
5	Water 2011	Water-Use-2011.HAR <i>This file includes water withdrawal for 2011 for 140/19 regions, 18 AEZs, 126/20 river basins.</i>
6	Water 2011-FAO	AQUASTAT2011.xlsx <i>It contains "agricultural water withdrawal" and "Irrigation water requirement" by GTAP regions.</i>
7	SplitCrop	<i>This sequence of eight folders helps splitting the GTAP Power Data Base to irrigated and rainfed.</i>
8	SplitLand	<i>GAMS codes for constructing GTAP-AEZ-RB land use by irrigated rainfed crops.</i>
9	SplitVA	<i>GAMS codes for constructing GTAP-Water Data Base, adjustments, and splitting value added.</i>