



# Economics of Water Productivity Part II: Practical / Empirical Analysis

Training Course

on

**“Improving Water Productivity in Agricultural Systems”**  
*(with emphasis on rainfed dryland agriculture)*

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ICARDA, Amman - Jordan

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# Measurement of Water Use Efficiency

## What we need to achieve this analysis

### 1. Socio economic data

- Outputs (quantities & prices)
- Inputs (quantities & costs)
- Other kind of data (Socio economic, socio demographic, environmental, institutional, etc.)

### 2. Statistical and econometric softwares

- SPSS
- Frontier 4.1 (Freely available at <http://www.uq.edu.au/economics/cepa/software.htm>)
- E-views, Stata, etc.

### 3. Knowledge on the use of these softwares



# Practical Example



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