



ARAB FUND FOR ECONOMIC  
& SOCIAL DEVELOPMENT

# Economics of Water Productivity in Managing Water for Agriculture: Empirical analysis

Training Course

Impact Assessment and Livelihood Analysis in Systems Research

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Dr. Boubaker DHEHIBI

Agricultural Resources Economist

SIRPS Program

[b.dhehibi@cgiar.org](mailto:b.dhehibi@cgiar.org)

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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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