



**OPHI SUMMER SCHOOL ON  
'MULTIDIMENSIONAL POVERTY MEASUREMENT  
& ANALYSIS'**



Morocco

3 – 15 July 2017

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## **1. PURPOSE**

The purpose of this intensive summer school is to provide a thorough technical and practical introduction to multidimensional poverty measurement with a strong emphasis on the Alkire-Foster method. Upon completing the course, students will have the skills required to construct and analyse an official national multidimensional poverty measure and to describe its policy relevance. Drawing on Amartya Sen's capability approach and empirical examples of national and global Multidimensional Poverty Indices (MPIs), the conceptual and empirical motivation for measuring multidimensional poverty will be presented, as well as the full suite of measurement tools including estimation, dimensional breakdown, disaggregation by population subgroup, standard errors and statistical inference, robustness, communications, policy applications and so on.

## **2. COURSE TOPICS**

The following topics will be covered:

- Unidimensional poverty measures;
- Methodologies to analyse multidimensional poverty – dashboard, stochastic dominance, information theory, fuzzy set, multiple correspondence analysis, unmet basic needs and counting approaches – and the problems each methodology best solves;
- The Alkire Foster methodology of multidimensional poverty measurement;
- Measurement design – purpose, unit of measure, dimensions, indicators, cut-offs and weights;
- Estimation of multidimensional poverty and interpretation of the results;
- Subgroup decomposition and mapping;
- Multidimensional poverty changes over time;
- Econometric analysis of multidimensional poverty and impact evaluation;
- Institutions, policies, and communication.

### **3. COURSE FACILITATORS**

The summer school will be led by OPHI Director, Sabina Alkire, and the OPHI team including Adriana Conconi, James Foster, John Hammock, Bouba Housseini, Christoph Jindra, Usha Kanagaratnam, Bilal Malaeb, Christian Oldiges, Monica Pinilla, Gisela Robles Aguilar and Nicolai Suppa.

### **4. COURSE FORMAT**

The summer school will consist of 10.5 days of instruction and working group sessions, taught in English (there is potential but not confirmed translation into French). Each participant needs to bring a laptop with Stata to do the problem sets. Throughout the summer school, participants will be actively involved in discussions and working through problem sets, and will be invited to present their research work and share their experiences.

### **5. DATES AND LOCATION**

The course runs from Monday 3 July 2017 to Friday 14 July 2017 with a final exam on Saturday 15 July 2017 (non-compulsory). The summer school will be held in Morocco. More details on the city and the venue will be communicated shortly.

### **6. AUDIENCE**

The summer school is addressed to those who are working on, or actively interested in gaining skills in, multidimensional poverty measurement, particularly professional staff of national offices of statistics and in government ministries that deal with poverty reduction, professionals from international development institutions, academics, and postgraduate students. Applicants who are currently pursuing work on measurement are also welcome. Other applicants having a demonstrated research interest in empirical analysis in these topics will be considered on the basis of their experience and space availability.

### **7. PRE-REQUISITES**

- A demonstrable knowledge of Stata is an essential pre-requisite for attending the course. Every attendant to the summer school will need to have Stata 10 or higher installed in his/her laptop. The software will not be provided by the summer school.
- A strong knowledge in quantitative methods (e.g. econometrics, statistics, etc.) and a strong interest in poverty measurement and analysis are highly desirable.