

# ***SAMPLE PROJECT***

State of the Art of WP1:

*“New indicators and models for inequality and poverty with attention to social exclusion, vulnerability and deprivation”*

CRIDIRE - Siena University



**Siena, 6 October 2010**

## Task 1.1. The indicators of poverty - 1

- *Thematic literature review:*
  - Traditional poverty measures.
  - Review of several Multidimensional.
  - Fuzzy measures.
  - Background of the Laeken Indicators.
  
- *Proposal for new multidimensional and fuzzy measures of poverty and inequality:*
  - Fuzzy monetary and Fuzzy non-monetary indicators following the *Integrated Fuzzy and Relative Approach* (CRIDIRE).
  - Fuzzy monetary Depth* and *Fuzzy Supplementary Depth* indicators (WSE).
  
- *Development of re-sampling methods for variance estimation for multidimensional measures of poverty:*
  - Jack Knife Repeated Replication method (CRIDIRE).
  - Bootstrap Method (WSE).

## **Task 1.1. The indicators of poverty - 2**

- *Development of SAS programs for poverty measures and variance estimation.*
- *Testing the developed methodology:*
  - EU-SILC data 2004-2007.
  - Polish EU-SILC data 2007-2008.

## **Task 1.2. EU-SILC over sampling**

- *2008 EU-SILC sample enlarged with 650 more interviews in the Province of Pisa:*
  - Microdata production process from sample design to data validation (ISTAT).
  - Taking part in Istat training meeting for EU-SILC interviewers (UNUPI-DSMAE).
  - Getting constantly in touch with Istat to be updated on EU-SILC over-sampling (UNUPI-DSMAE).
  - Supporting Istat for sampling design and selection of 650 interviews (UNUPI-DSMAE).

## Task 1.3. Pooled estimates of indicators

- *Thematic literature review:*
  - Methodological aspects, in particular concerning cumulation over space and time from repeated multicountry surveys taking illustrations from European social surveys.
  - Simple models developed to illustrate the effect on variance of pooling over correlated samples.
  
- *Development of re-sampling methods for variance estimation for the pooled measures:*
  - Jack Knife Repeated Replication method (CRIDIRE).
  - Bootstrap Method (WSE).
  
- *Development of R and/or SAS programs for the pooled indicators.*
  
- *Testing of the developed methodology:*
  - 2007-2008 EU-SILC data for Italy (CRIDIRE).
  - 2005-2006 EU-SILC data for Poland and Czech-Republic (CRIDIRE).
  - 2008 EU-SILC data for Poland and Italy (WSE).

## **Task 1.4. Indicator for Local Government (SIMURG - PP - UROPS)**

- Review of the published scientific literature on poverty indicators at local level.
- Definition of a list of indicators to monitor social exclusion, poverty and policies at Municipalities and Health Societies level.
- Creation of an early list of local stakeholders.
- Creation of the questionnaire that will be sent to stakeholders.