



**PROJECT: SWLRI - Strategy for Water and Land Resources: Land Cover maps quality assessment**

**YEAR: 2012-13**

**COUNTRY: Iraq**

**CLIENT: Consortium SGI Studio Galli / MED Ingegneria / El Concorde Constructions**

**DESCRIPTION**

In the framework of the Project "Strategy for Water and Land Resources in Iraq" (SWLRI), the Consortium produced a Land Cover map (scale 1:50.000) of agricultural areas of Iraq, covering a total surface of about 110.000 km<sup>2</sup>. The mapping legend was based on the FAO-UNDP Land Cover Classification System (LCCS). Land cover mapping was performed through an object oriented classification of SPOT images acquired from April to September 2011.

GISMAP was charged to perform the thematic accuracy assessment of such Land Cover Maps at Governorate level.

Activities included a critical review of the legend, the definition of a methodology for a accuracy assessment and the positioning, for each image, of the ground control points to be checked with the Field Survey performed by Iraqi teams).

Based on the results of the field survey, the accuracy analysis was performed by means of a statistical analysis of data and the build-up a confusion matrix for each Governorate. Also, GISMAP ensured the training and assistance to photo-interpreters teams in the phase of post-classification correction and revision of maps.

