



**Global Strategy**  
IMPROVING AG-STATISTICS



# IMPROVING THE METHODOLOGY FOR USING REMOTE SENSING - OVERVIEW



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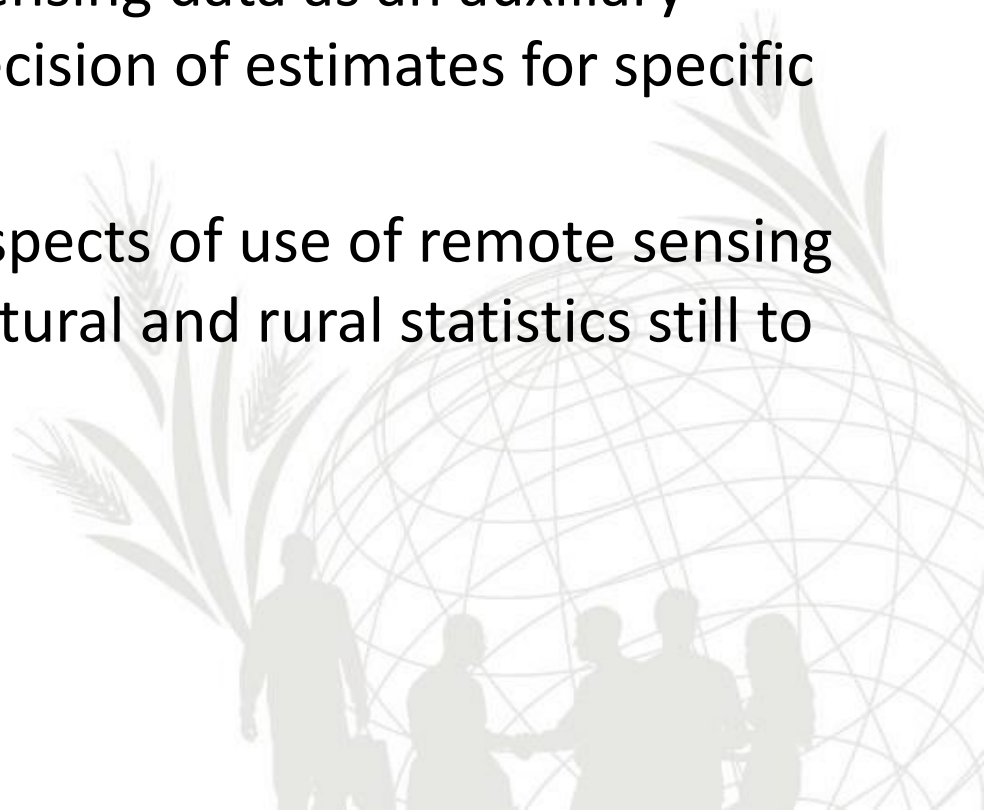


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## WHY RESEARCH ON USE OF REMOTE SENSING

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- Document on best practices for crop area estimation with remote sensing prepared by GEOSS (GEOSS, 2009)
- Focus on use of remote sensing data as an auxiliary variable for improving precision of estimates for specific crops
- Several methodological aspects of use of remote sensing data for producing agricultural and rural statistics still to be improved





## RESEARCH TOPICS

- Developing more efficient and accurate methods for using remote sensing
  - Collaboration with Roberto Benedetti University of Chieti – Pescara and Javier Gallego, Joint Research Center
- Improving methods for using existing land cover – land use data bases
  - Collaboration with John Latham and Ilaria Rosati, FAO-NRL geospatial unit, FAO
  - Report on review of projects and literature prepared



## RESEARCH TOPICS

- Evaluating the cost-efficiency of remote sensing in developing countries
  - Redouane Arrach, Director of Division of Statistics and Information of Ministry of Agriculture and Fisheries, Morocco and his group.
  - Research of partner took much time, also because it was focused on experts and institutions from developing countries
  - Contracts still have to be prepared



## MAIN SUB-TOPICS

- New technologies of remote sensing (Google Earth) and their influence on possible improvements in the design and/or estimation methods
- Remote sensing at design level
- Efficient and robust estimators
- Integrating remote sensing and ground surveys
- Methods for quality assessment of land use/land cover databases and methods for change detection of land cover





## THANK YOU

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