

**PROSPELU**  
**PROSPECTIVE STUDY ON THE POTENTIAL USE OF LUCAS**  
**(LUCAS Studies 2006 – Lot 2)**

MINUTES of the second high level experts workshop held on May, 22nd 2007 in Brussels

***Date and place of the meeting:***

Tuesday 22/05/2007, Room 2c, Centre Albert Borschette, Brussels

***Participants:***

AGRI : Eric WILLEMS  
Leïla-Thérèse BARTHOMEUF

EEA : Ana Sousa

ESTAT: Pascal JACQUES

ENV : Hugo DE GROOF  
Robert FLIES

ENTR: Wolfgang STEINBORN  
Josiane MASSON

JRC: Hannes REUTER

REGIO: Michael ALBAS

RTD: Karen FABBRI

VITO : Paul CAMPLING

***PROSPELU consortium:***

EFTAS: Carsten HAUB  
Klaus-Ulrich KOMP

LUXSPACE: Gerd EIDEN

SADL-KUL: Anne GOBIN

***Agenda:***

1. Welcome notice (ESTAT)
2. LUCAS PROSPELU - Prospective Study on potential use of LUCAS – General overview
3. Policy analysis
4. Identified LUCAS potentials
5. Assessment of LUCAS potential as data provider for other policy areas
6. Discussions & consolidation of results
7. Future prospective

***Appendices:***

For presentations and hand out documents please visit:

[www.eftas.com/lucas/prospelu/](http://www.eftas.com/lucas/prospelu/) → *internal*

## 1. Welcome notice [PASCAL JACQUES]:

Pascal Jacques introduced the PROPELU study as part of the four LUCAS studies launched in 2006 and the ongoing EUROSTAT LUCAS activities. He gave a brief overview of the current state of the LUCAS 2007 survey, focusing on soil issues (soil & erosion parameters incl. transects) at 23.771 points in 13 EU member states.

For the year 2008 EUROSTAT intends to extent the survey to Turkey, Croatia and Bulgaria, which will lead to a total LUCAS coverage of 29 European Countries.

## 2. “LUCAS PROPELU - Prospective Study on potential use of LUCAS - General overview” [CARSTEN HAUB / EFTAS]

Since the majority of participants attended a PROPELU meeting for the first time, the study background, objectives and strategy was introduced. A brief summary was given on the project components and the objectives of this workshop.

Please see: **a\_PROPELU-WS-II\_General overview.pdf**  
([www.eftas.com/lucas/prospelu/](http://www.eftas.com/lucas/prospelu/) → internal)

## 3. “Policy analysis” [ANNE GOBIN / SADL-KUL]

The major component of this study was the elaboration of relevant policy domains, the exploration of policy mandates and targets formulating an information need which might be covered by LUCAS data. The respective information requirements had been specified in detail and LUCAS potentials were identified. Objectives, methods and results of this analysis were explained and the specifically developed instrument - the PROPELU policy matrix - was presented. The main aim was to explain how and why the identified policy domains and instruments are of utmost relevance for further project investigations.

Please see: **b\_PROPELU-WS-II\_Policy analysis.pdf**  
([www.eftas.com/lucas/prospelu/](http://www.eftas.com/lucas/prospelu/) → internal)

## 4. “Identified LUCAS potentials” [CARSTEN HAUB / EFTAS]

Introducing the initial aims of LUCAS and pointing out the advantages of LUCAS were the basis for this presentation of the major LUCAS potential to broaden the current scope. It was shown that - beyond the proofed potential use for Ground Truthing purposes (calibration or validation of EO initiatives) or direct data input for spatial modelling systems - about 20 legislations could potentially benefit of LUCAS derived data.

Please see: **c\_PROPELU-WS-II\_Identified potentials.pdf**  
([www.eftas.com/lucas/prospelu/](http://www.eftas.com/lucas/prospelu/) → internal)

## 5. “Assessment of LUCAS potential as data provider for other policy areas” [GERD EIDEN / LUXSPACE]

Certain LUCAS indicators were identified and formulated within this study. The implementation into the LUCAS approach was discussed in depth considering SWOT analysis. The main conclusions were presented and interactively discussed with the high level experts group.

Please see: **d\_PROPELU-WS-II\_Assessment of potentials.pdf**  
([www.eftas.com/lucas/prospelu/](http://www.eftas.com/lucas/prospelu/) → internal)

## 6. Discussions & consolidation of results

With specific attention to the representatives' fields of expertise inputs the discussion was focussed on the achieved study results. The aim of this meeting was to consolidate the conclusions of the consortium partners and to get recommendations for potential improvement from the invited experts.

The expert statements agreed with the achieved study results and confirmed the identified information gaps at EU level to fulfil various mandates and the difficulties to provide information through alternative sources. Furthermore, the delegates agreed that the specification and structure of LUCAS data suits the identified data needs and requirements at the EU level.

LUCAS can provide for about 20 different legislations and regulations due to the provision of:

- detailed and statistically reliable information about policy relevant topics (state / trends)
- data representative for the entire EU territory
- data which are harmonized and compatible between EU and National levels
- up to date information

a flexible data structure

In addition, the LUCAS sampling can be densified and the nomenclature extended to suit thematic needs and provide for an added value related to specific data requirements.

It was confirmed, that:

- the identified indicators are valuable and applicable for policy monitoring
- LUCAS provides a lot of potential for thematic oriented monitoring
- LUCAS is spatially reliable at NUTS 2 level
- LUCAS serves as input data for soil modeling systems and may serve as validation data set to improve grid based models
- there is a strong demand for detailed land management information, which can be provided with LUCAS field observations and/or farmers interviews (former phase II)
- LUCAS area estimation results are accurate, but that the data is needed as early as possible , i.e. mid June!
- LUCAS could serve as the standard for in-situ field monitoring on nodes within the INSPIRE directive. Especially the following LUCAS components can serve as proofed standards for the harmonization of in situ monitoring at EU level:
  - the sampling frame (point grid)
  - the nomenclature
  - decision rules
  - survey documentation (standard "header parameter" for each sample)
  - data transmission &
  - quality control routines

To formulate the final study conclusions the following additional recommendations and constructive remarks will help to support the PROPELU study and to direct future LUCAS development:

- i) The initially expected prospects and achieved successes need to be taken into account when formulating the final conclusions of the study, as they are still valid for future executions:
  - a. Multi purpose survey and joined execution and financial contribution from additional DGs other than ESTAT and AGRI
  - b. Involvement of member states
  - c. Potential synergies through incorporation of LUCAS results in MS statistical systems
- ii) The investigations of the consortium partners and outcomes on LUCAS relations and interactions with national survey systems should be formulated more precisely in

