



**WORKSHOP
EVIDENCE FROM SPACE**

**ISPL ESA STUDY
THE USE OF SATELLITE-DERIVED INFORMATION AS EVIDENCE**

**UCL ESRC PROJECT
ON THE USE OF SATELLITE INFORMATION IN AUSTRALIA**



**WILKINS OLD REFECTORY, UCL, GOWER STREET, LONDON WC1E 6BT
TUESDAY 5 OCTOBER 2010**

The London Institute of Space Policy and Law is conducting a Study for the European Space Agency exploring the evidential value and conditions for use of satellite-derived information in administrative and judicial settings.

The Study has two aims. The first is to identify the circumstances in which satellite-derived information can most effectively be used as evidence, and the advantages and limitations of using such information in public and civil law settings. International, regional and municipal jurisdictions will be compared in their approach and potential acceptance of such information as evidence. Circumstances in which satellite-derived information has been offered in evidence will be analysed, identifying the reasons for its acceptance or rejection.

The second aim of the Study is to familiarise the legal community, including judges, practitioners, administrators and enforcement officers, with the range of available satellite-derived information and its utility as evidence. The Workshops will achieve this through discussion and presentations. In particular, at the first Workshop there will be a presentation of the findings of the UCL ESRC project in Australia, where extensive use is made of satellite-derived information.

The Study is structured to facilitate learning from the broader legal community and technical experts. We are interested in how any aspect of the collection, collation and processing of this type of information could be adapted to meet specific needs and to overcome limitations so as to foster its greater use as evidence. To commence this interchange and to provide a forum for discussion and exchange of knowledge, we are holding Workshops at which the findings of the Study will be presented, the capabilities of satellite systems examined and the needs of the legal community explored. Two Case Studies will be presented for debate and analysis. High-level legal, administrative and technical experts will participate in the Workshops.

For registration please contact Jean Kay: Jean.Kay@space-institute.org

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WORKSHOP PROGRAMME

Wilkins Old Refectory, UCL, Gower Street, London WC1E 6BT Tuesday 5 October 2010

- 8.45 **WELCOME AND INTRODUCTION**
Project description, aims, key issues in the use of satellite-derived information as evidence in judicial and administrative proceedings. Evaluating past research; outlining new research.
- 8.55 **EVIDENTIAL ISSUES**
Relevant principles of evidence and practical issues, including authentication, audit trail, processing reliability and security.
- 9.25 **SATELLITE AND DATA PROCESSING CAPABILITIES**
Satellite capabilities for land motion measurement, oil spill detection and polluter identification. Calibration and system reliability.
- 10.15 COFFEE
- 10.30 **CASES USING SATELLITE-DERIVED AND AERIAL INFORMATION**
Cases and regulatory experience, highlighting comparative perspectives on some applications where satellites are currently used in judicial and administrative proceedings.
- 11.15 **JURISDICTIONAL TREATMENT**
Examination of cases and use of satellite-derived information in different jurisdictions.
- 12.30 LUNCH
- 13.30 **UCL ESRC PROJECT ON USE OF SATELLITE INFORMATION IN AUSTRALIA**
Australian experience in use of satellite-derived information, perception, impact and lessons learned.
- 14.30 **CASE STUDY I – LAND SUBSIDENCE**
- 15.30 TEA
- 15.45 **CASE STUDY II – OIL SPILL**
- 16.45 **DISCUSSION**
Questions raised, issues identified, areas for further work, actions and conclusions.
- 17.15 **CLOSING REPORT AND CONCLUDING REMARKS**
ESA Project Managers and Institute Director

PRESENTERS

Gordon Campbell, ESA ESRIN
Ren Capes, Fugro NPA
Yves Crevier, Canadian Space Agency
Alessandro Ferretti, TRE
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