

SEMINAR II
SPACE SERVING HUMANITY: ENVIRONMENTAL SECURITY

10 APRIL 2018
CHARLES CLORE HOUSE, 17 RUSSELL SQUARE, LONDON WC1B 5DR

- 14:00 - 14:05 **Welcome & Introduction** *Professor David Southwood, ISPL*
Professor Sa'id Mosteshar, ISPL
- 14:05 - 14:30 **Monitoring & Prediction** *Professor Robert Gurney, Reading University*
Climate monitoring and weather prediction; delivery of real-time products and information that predict and describe climate variations; effective management of climate risk and a climate-resilient society; monitoring and quantifying climate change and its impact.
- 14:30 - 14:55 **Land Use and Disease Control** *Professor Kate Jones, University College London*
Land use change as a key driver of the risk of disease spill-over between wildlife and humans (e.g. Ebola and SARS); understanding the underlying ecological processes; analysing data to understand global land use trends' impact on human disease outbreaks.
- 14:55 - 15:20 **Harmful Emissions and Pollution** *Professor Paul Monks, Leicester University*
Monitoring harmful emissions and pollution; hazardous waste and its management; enforcement of environmental regulations and international regimes.
- 15:20 - 15:45 BREAK
- 15:45 - 16:10 **Forests & Deforestation** *Professor Iain Woodhouse, Edinburgh University*
Relationship between forest disturbance and the environment; contribution of Moderate Resolution Imaging Spectroradiometer (MODIS) imagery information on the type and intensity of disturbance within forested areas; the United Nations Collaborative Programme on Reducing Emissions from Deforestation and Forest Degradation (REDD) in Developing Countries and the UN-REDD Programme implementation of national and international REDD+.
- 16:10 - 16:35 **Provision of Data and Information** *Simonetta Cheli, ESA*
Satellite systems, their capabilities in the collection and provision of data to meet the specific information needs for environmental factors; processing data into usable information to ensure environmental security.
- 16:35 - 16:50 **Questions and Discussion** *Professor Stephen Briggs, Cambridge & UCL*
- 16:50 - 17:00 **Closing Remarks** *Professor David Southwood*

Rapporteur: Jemma Queenborough, Associate Researcher, ISPL

Although this is a **free seminar**, participants **must register** by sending name, affiliation and job title to Events@Space-Institute.org with "Seminar II" in the subject line.