

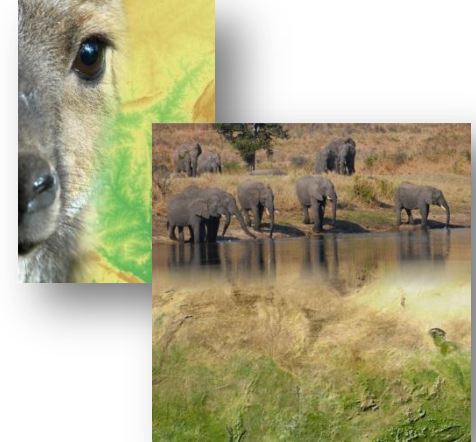


# How Satellite Data Tell us Tales of Changing Biodiversity?



**Dr Nathalie Pettorelli**  
Institute of Zoology  
Zoological Society of London

Date: 20 March 2014 (Thu)  
Time: 10:30 a.m. – 12:00 noon  
Venue: LT5, Yasumoto International Academic Park  
Registration: [Click Here](#)



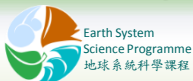
The credit is Martin Wegmann (earth-observation.org);  
satellite image from Landsat/USGS

**Summary** *The ability to anticipate the impacts of global environmental change on biodiversity and ecosystem services is fundamental to designing appropriate and optimized adaptation and mitigation strategies: yet such ability requires the scientific community to access, among other things, reliable data on spatio-temporal changes in the distribution of abiotic conditions; information on the distribution, structure, composition and functioning of ecosystems; as well as evidence on the effectiveness of various management actions. The potential for satellite observations to provide access to some of this key data has been highlighted by many, having literally opened up the possibility of addressing questions on scales inaccessible to ground-based methods alone, and facilitating the development of an integrated approach to natural resource management, where threats and consequences can both be evaluated. In this talk, Dr Pettorelli will provide an overview of the possible applications of satellite data in biodiversity monitoring and conservation, and demonstrate how ecological knowledge and satellite-based information can be effectively combined to address a wide array of current natural resource management needs.*

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