



Further Reading List for Public Lecture: Satellite Top Trumps: The Geological Edition

Charlotte Bishop, Geological Remote Sensing Group

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The reading list can be found at: www.geolsoc.org.uk/satellitetoptrumps

Popular Articles and Resources

Background

- a. Geological Society Remote Sensing Group
www.grsg.org.uk/
- b. National Ocean Service: What is remote sensing?
<https://oceanservice.noaa.gov/facts/remotesensing.html>
- c. Natural Resources Canada: Tutorial: Fundamentals of Remote Sensing
www.nrcan.gc.ca/node/9309
- d. NASA Earth Data: Earth Observation Data
earthdata.nasa.gov/earth-observation-data
- e. The Geological Society: Space rocks, rockets and robots - Exploring our Solar System today and tomorrow
www.geolsoc.org.uk/SolarSystem17

Satellites

- f. Satellites 4 Everyone – Earth Observation
<http://satellites4everyone.co.uk/technology/earth-observation/>
- g. NASA: What is a satellite?
www.nasa.gov/directorates/heo/scan/communications/outreach/funfacts/txt_satellite.html
- h. BBC: Disrupters, the new space race
www.bbc.co.uk/news/resources/idt-sh/disruptors_the_new_space_race
- i. NASA: The Landsat Program
<https://landsat.gsfc.nasa.gov/>
- j. Earth Data: Remote Sensing
earthdata.nasa.gov/user-resources/remotesensors

- k. Geological Society Policy Responses – House of Commons Science and Technology Committee Inquiry on Satellites and Space
<https://www.geolsoc.org.uk/Policy-and-Media/Consultations/2016-Responses/House-of-Commons-Science-and-Technology-Committee-Satellites-and-Space>

Applications of satellite and remote sensing work

- l. Government of India Department of Space – Earth Observation applications
<https://www.isro.gov.in/applications/earth-observation>
- m. Geological uses of remote sensing: The lost river and the Indus Civilisation - How river dynamics influenced a Bronze-age civilisation
<https://social.shorthand.com/SanjeevGupta45/nyYAEzYGQa3/the-lost-river-and-the-indus-civilisation>
- n. GIS Lounge – Use of Earth Observation data for oil and gas
<https://www.gislounge.com/use-earth-observation-data-oil-gas/>
- o. UNESCO – Application of satellite remote sensing to support water resources management in Africa.
<http://unesdoc.unesco.org/images/0018/001880/188045m.pdf>

Books and Journal Articles

General overview:

International Journal of Applied Earth Observation and Geoinformation - Geologic Remote Sensing Special Section (2018) volume 64 Open access

Lillesand, T.M., Kiefer, R.W., 2000. Remote Sensing and Image Interpretation. John Wiley & Sons Inc, New York

Campbell, J. B. (2002) Introduction to Remote Sensing, Taylor and Francis, London

More detail

Bishop, C. A., Liu, J. G. and Mason, P. J. (2011) Hyperspectral remote sensing for mineral exploration in Pulang, Yunnan Province China International Journal of Remote Sensing 32:9 2409-2426
DOI: 10.1080/01431161003698336

Liu, J. G. and Mason, P. J. (2009) Essential Image Processing and GIS for Remote Sensing, Wiley-Blackwell, USA