

Remote Sensing

1. Use of digital remote sensing sensors for monitoring changes in landscape structure.
2. Aerial survey photographs and digital image records as inputs for data collection on landscape objects.
3. Analog (visual) and computer-assisted interpretation of remote sensing data.
4. Digital processing (interpretation) of remote sensing data.
5. Digital orthophotomap: its creation and use in geography and geoinformatics.
6. European monitoring programme Copernicus.
7. Identification of land cover classes using remote sensing data.
8. Evaluation of the dynamics of landscape spatial structure based on remote sensing data.

Recommended literature:

ADAMS, B. J., GILLESPIE, R. A. (2006). Remote sensing of landscapes with spectral images: A physical modelling approach. Cambridge University Press. s. 362. ISBN 0-521-66221-4.

GIRI, P. Ch., ed. (2012). Remote sensing of land use and land cover: Principles and applications. CRC Press, Taylor & Francis Group. s. 425. ISBN 978-1-4200-7074-3.

LILLESAND M. T., KIEFER, W. R. (2008). Remote sensing and image interpretation. Madison (Jonathan W. Chipman). ISBN: 978-0-470-05245-7.

MATHER, M. P. (2004). Computer processing of remotely-sensed images. Chichester (Wiley). ISBN 0-470-84919-3.

McCLOY, K. R. (2006). Resource management information systems: Remote sensing, GIS and modelling. Taylor & Francis. s. 575. ISBN 0-4152-6340-9.

McGLONE, Ch. (2001). Introduction to Modern Photogrammetry. Wiley. s. 496. ISBN 9780471309246.

JENSEN, J. R. (2004). Introductory Digital Image Processing, 3rd ed. Prentice Hall. s. 544. ISBN 9780131453616.

RENCZ, A. N., RYERSON, R. A. (1999). Manual of Remote Sensing, Remote Sensing for the Earth Sciences. Wiley. s. 728. ISBN 9780471294054.

FERANEC, J., OŤAHEL, J. (2001). Krajinná pokrývka Slovenska. VEDA. s.122. ISBN 8022406635.

International Society for Photogrammetry and Remote Sensing, <http://www.isprs.org/>

FERANEC, J., SOUKUP, T., HAZEU, G., JAFFRAIN, G., eds. (2016). European landscape dynamics: CORINE land cover data. CRC Press, Taylor & Francis Group. s. 337. ISBN 978-1-4822-4466-3.

OŤAHEL', J., FERANEC, J., KOPECKÁ, M., FALŤAN, V. (2017). Modifikácia metódy CORINE Land Cover a legenda pre inentifikáciu a zaznamenávanie tried krajinej pokrývky v mierke 1:10 000 na báze príkladových štúdií z územia Slovenska (Modification of the CORINE Land Cover method and the nomenclature for identification and inventorying of land cover classes at a scale of 1:10 000 based on case studies conducted in the territory of Slovakia). *Geografický časopis*, 69, 3, 189-224.

Charakteristika a prístup k údajovým vrstvám monitorovacieho programu Copernicus:
<https://land.copernicus.eu/pan-european>