

Update of Mongolian Disaster Management Database by RS Data

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Abstract: Disaster management database refers to the digital database used to freely exchange all kinds of spatial and attribute information about the disaster and about the objects and locations, and also cooperatively, over networks, run software capable of manipulating such information. One of the important issues is that once the database is developed, it needs to be regularly updated. As database contains a variety of data sets, different types of information will require different approaches for the update. Surely, for the database update, RS images with different spectral and spatial resolutions could be used. In the present study, for the update of a land cover layer, supervised classification has been performed using Landsat TM image. For the accuracy assessment, overall performance was applied and it indicated an accuracy of 85.78%.

Keywords: Disaster management database, RS image, Update, Classification