

Tematică și bibliografie pentru concursul de ACS in Geologie, specializare GIS și baze de date

1. Geographic Information System (GIS) – Generalitati, definitii, tipuri de date si analize

https://webapps.itc.utwente.nl/librarywww/papers_2009/general/principlesgis.pdf

(capitolele 1 si 2)

<https://volaya.github.io/gis-book/en/index.html>

https://www.geoportal.lt/geoportal/documents/18923/19607/GII-01_training_material.pdf/a38d942f-245d-4b3e-b8f4-5b859b52d482

(capitolele 1, 2 si 3)

2. Crearea, configurarea si managementul datelor in GIS (ArcGIS, QGIS)

<https://www.lib.umd.edu/binaries/content/assets/public/gov-info-gis/research-and-instruction/introduction-to-gis-workbook.pdf>

<https://desktop.arcgis.com/en/arcmap/latest/map/working-with-arcmap/starting-arcmap.htm>

http://downloads2.esri.com/support/documentation/ao_/710Understanding_Map_Projections.pdf

(capitolele 1, 2 si 3)

<http://www.gisteam.de/ftp/Tutorial/project.pdf>

<http://web.gps.caltech.edu/gislab/HowTo/ESRI%20-%20Map%20Projections.pdf>

<https://docs.qgis.org/3.16/ro/docs/>

https://docs.qgis.org/3.16/ro/docs/user_manual/index.html

<https://mdl.library.utoronto.ca/technology/tutorials/how-georeference-images-arcgis>

https://www.qgistutorials.com/en/docs/georeferencing_basics.html

3. Analiza si procesarea datelor in GIS (ArcGIS, QGIS)

<http://wamis.org/agm/pubs/agm8/Paper-8.pdf>

<https://desktop.arcgis.com/en/arcmap/latest/tools/spatial-analyst-toolbox/an-overview-of-the-spatial-analyst-toolbox.htm>

4. Baze de date relationale folosite in GIS (Personal Geodatabase, PostgreSQL/PostGIS/Pgadmin) - proiectare, creare, administrare

<https://desktop.arcgis.com/en/arcmap/latest/manage-data/databases/databases-and-arcgis.htm>

<https://desktop.arcgis.com/en/arcmap/latest/manage-data/geodatabases/what-is-a-geodatabase.htm>

<https://www.postgresql.org/files/documentation/pdf/13/postgresql-13-A4.pdf>

(capitol introductiv)

<https://postgis.net/stuff/postgis-3.1.pdf>

(capitol introductiv)

5. Publicarea datelor GIS (Servere GIS, servicii de harti (WMS, WFS), webGIS)

<https://enterprise.arcgis.com/en/server/latest/get-started/windows/what-is-arcgis-for-server-.htm>

[https://www.lifewatchgreece.eu/sites/default/files/GeoServer%20Beginner%E2%80%99s%20Guide%20\[eBook\].pdf](https://www.lifewatchgreece.eu/sites/default/files/GeoServer%20Beginner%E2%80%99s%20Guide%20[eBook].pdf)

<https://docs.geoserver.org/latest/en/user/>

<https://docs.geoserver.org/latest/en/user/gettingstarted/web-admin-quickstart/index.html>

<https://docs.geoserver.org/latest/en/user/gettingstarted/postgis-quickstart/index.html>

<https://enterprise.arcgis.com/en/server/latest/publish-services/linux/wms-services.htm>

<https://enterprise.arcgis.com/en/server/latest/publish-services/linux/wfs-services.htm>

<https://www.gislounge.com/section-1-a-quick-introduction-to-gis-and-webgis/>

<https://openlayers.org/>

<https://developers.arcgis.com/javascript/latest/>

<https://developers.arcgis.com/javascript/latest/get-started/>