

Summary

- Slope, aspect, curvature
- Lines of sight, viewshed analysis, hillshade models, solar potential
- Drainage lines, delimiting catchment areas
- DEMs are useful for a wide range of applications



formation Systems

In this lesson, we introduced thematic variables derived from digital altitude models that enable to complete analysis feasible with the help of slope, orientation and curvature measurements. The visibility analysis in particular find several applications in ecology when we try to assess the impact of new construction in the landscape, for example. And at a time where we promote the use of renewable energy, the possibility of calculating the potential solar energy received on the relief constitutes also an important information. The digital altitude models play also an important role in hydrology and you now know how to calculate drainage lines as well as how to delimitate a watershed. And to finish, the examples provided have enabled you to realize that the digital altitude models are very useful to develop means of prevention. Floods, landslides, rockslides, urban planning or public health, there are many areas for which digital altitude models are valuable tools. So this was the digital altitude model. From the next lesson, we will focus on the interaction between data layers in geographic information systems.

Notes

Summary



0m 04s