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DEVELOPMENT OF A TRAINING PROGRAM FOR ENHANCING THE USE OF ICT TOOLS IN THE IMPLEMENTATION OF PRECISION AGRICULTURE

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Training package 2

Practical. Video about introduction of GNSS and GIS

Student guidelines

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1 Objective

The objective of this practice is to learn about the principles of GNSS and GIS.

2 Access to the video

You can find the video related with GNSS in the following link <https://youtu.be/qHqly38BgTQ>, and the video related with GIS in the next link <https://youtu.be/p4NbRw3QkGk>. Also, you can find the videos in your training directory (Introduction to GNSS.mp4 and Introduction to GIS.mp4).

3 Questions

Answer the following true or false questions according to the video about GNSS.

1. The minimum satellites needed to compute your position are 4.
2. The maximum satellites allowed for the receivers are 10.
3. The satellites transmits directly your position.
4. WGS84 is a mathematical model of earth.
5. Clock errors are corrected by the satellite itself.
6. EGNOS is a type of SBAS.
7. In SBAS the correction are computed onboard.
8. The satellites precision, DOP, depends on the satellite position.

Answer the following question about the GIS video.

1. What type of data models can be used in a GIS? Explain in detail each one.