Installation and User Instructions

GeoCoordTrans

Version 2.0

November 2020
Version 2.0.0

Welcome to GeoCoordTrans version 2.0

GeoCoordTrans version 2.0 is a computer program for converting coordinates (geographic and projected) between all the coordinate systems used in Ghana. GeoCoordTrans is easy to use and full of wizards to assist you with complex task. GeoCoordTrans can convert single coordinates or multiple coordinates stored in Text files (i.e. **.csv**, **.txt**) and Microsoft access file

Getting Started

System requirements

Minimum System requirement

Operating system: Windows XP/Vista/7 or later
Processor Dual core CPU 2.4 GHz
2 GB system memory
.Net 3.5
DirectX 9.0 or above
1.5 GB of free hard drive space

Recommended System requirement

Operating system: Windows XP/Vista/7 or later
Dual core CPU 3.0 GHz
4 GB system memory
.Net 4.0 or above
DirectX 9.0 or above
1.5 GB of free hard drive space

Installation

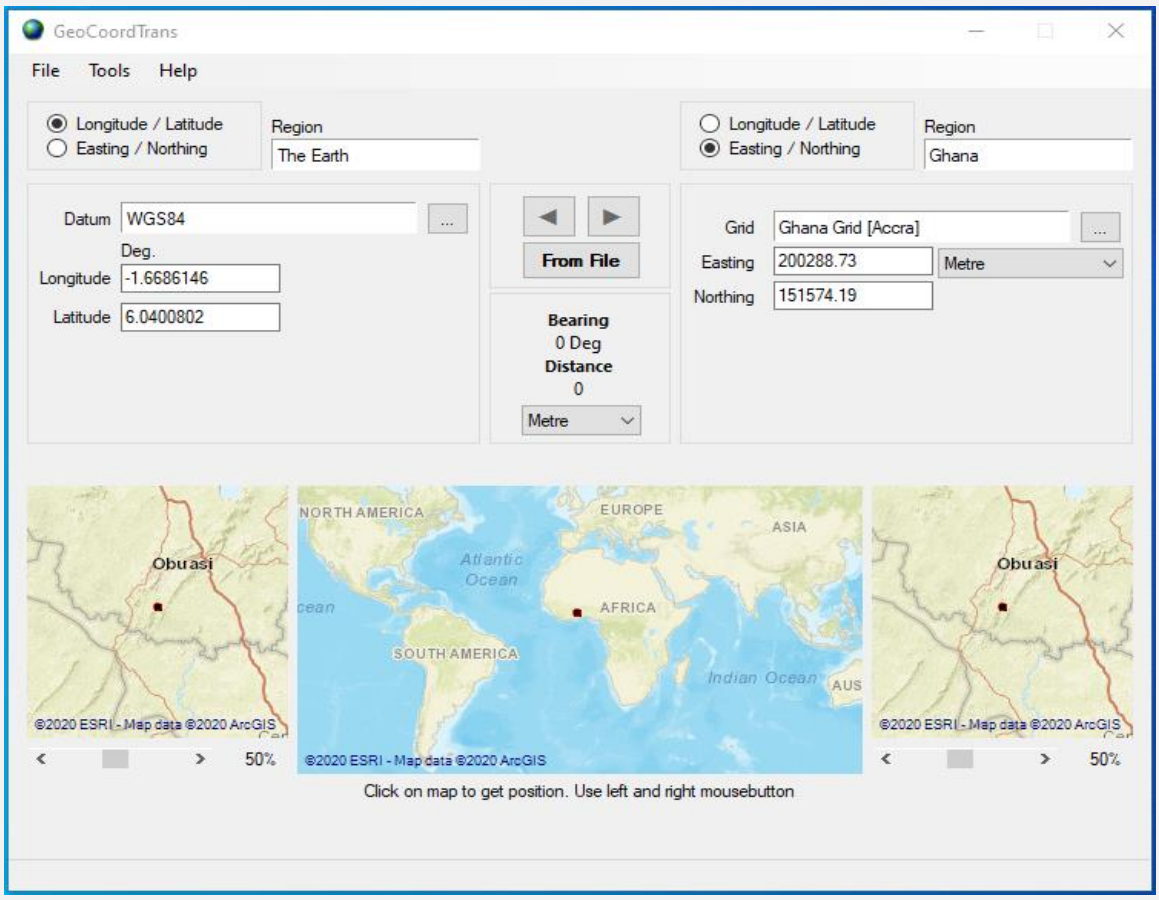
1. Extract content of Setup file to Computer
2. Open extracted file.
3. Find setup.exe and execute it
4. Follow the on-screen instructions to complete the set-up process

Launching GeoCoordTrans version 2.0

1. Start by clicking the "**GeoCoordTrans version 2.0**" icon on your desktop, or
2. Going to your programs menu and selecting **GeoCoordTrans version 2.0,** the default path should be **"Start" -> "All Programs" -> "GeoCoordTrans version 2.0" -> "GeoCoordTrans version 2.0"**.

Main Interface

The main menu of **GeoCoordTrans version 2.0** is a full of miscellaneous tools such as, parameters, wizards and map tools for single or multiple point(s) coordinate transformation, unit conversion and main interface map manipulation.



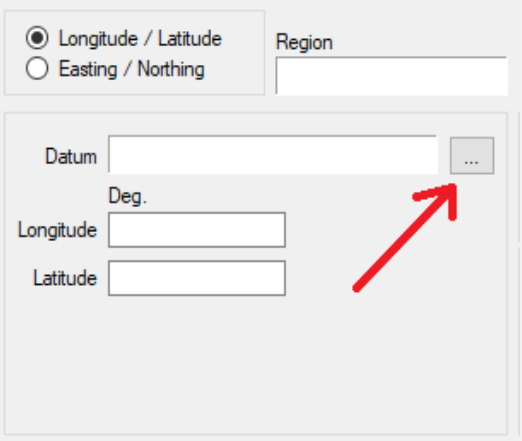
Single point Coordinate Conversion

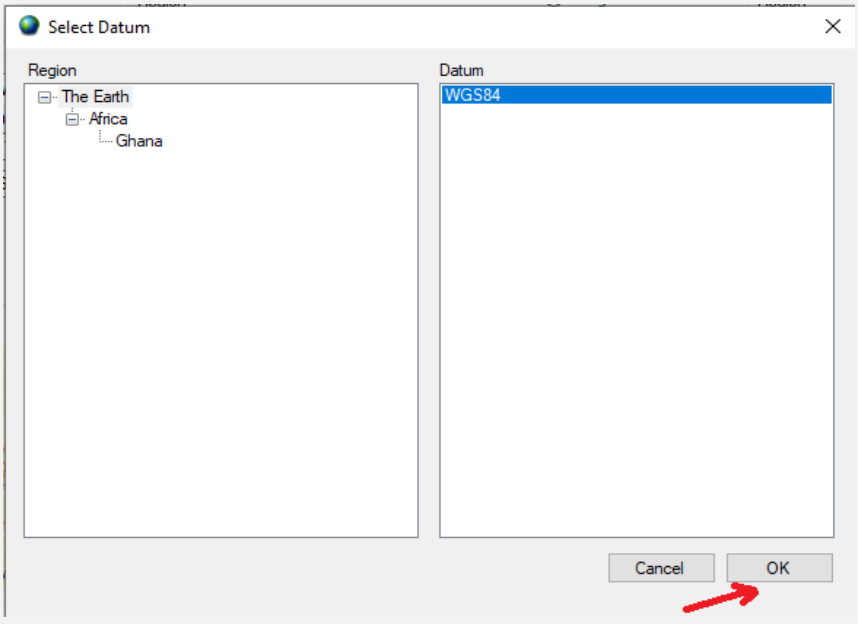
This can be achieved by manually typing in the coordinates of the point in either sides of the sections with respect to the coordinate type and reference system **or**, by Identifying the location of the point on the interface map and clicking on that position to acquire the coordinates

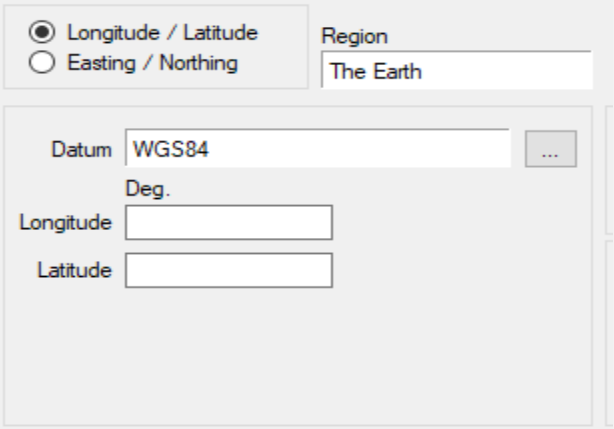
Example; To convert geographic coordinate (Longitude/Latitude) of a point picked with a GPS in WGS84 to projected coordinates (Easting/Northing) in UTM system.

Longitude = -1.6686146^0 and Latitude = 6.0400802^0

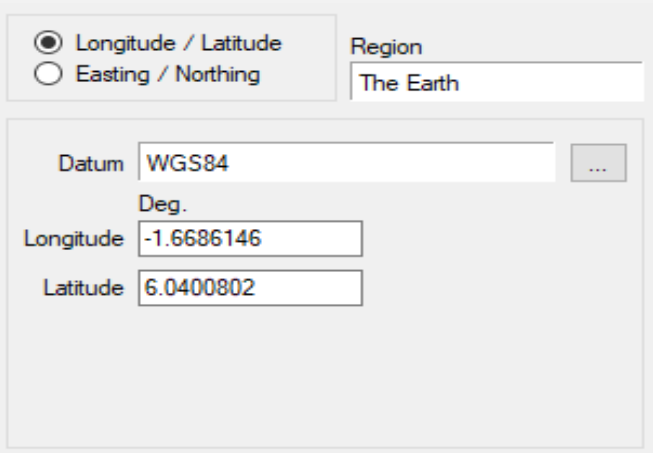
1. Select coordinate system of point



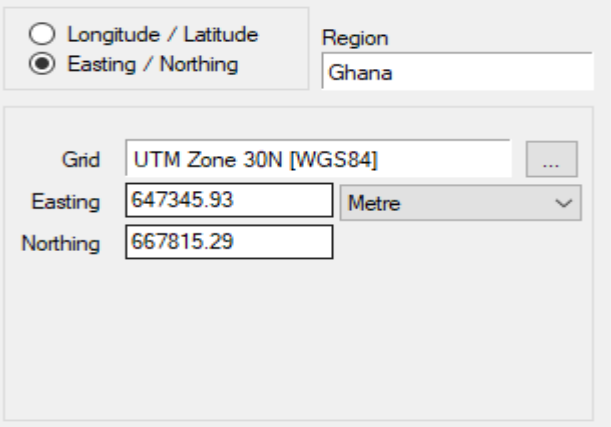




2. Enter Coordinates of point



3. Repeat step 1 for other section based on coordinate system to convert to.
4. Click respective convert button based on which section to convert from. For this example, input coordinates were inserted on the left side, thus **to-right** ▸ convert button is clicked.
5. Results



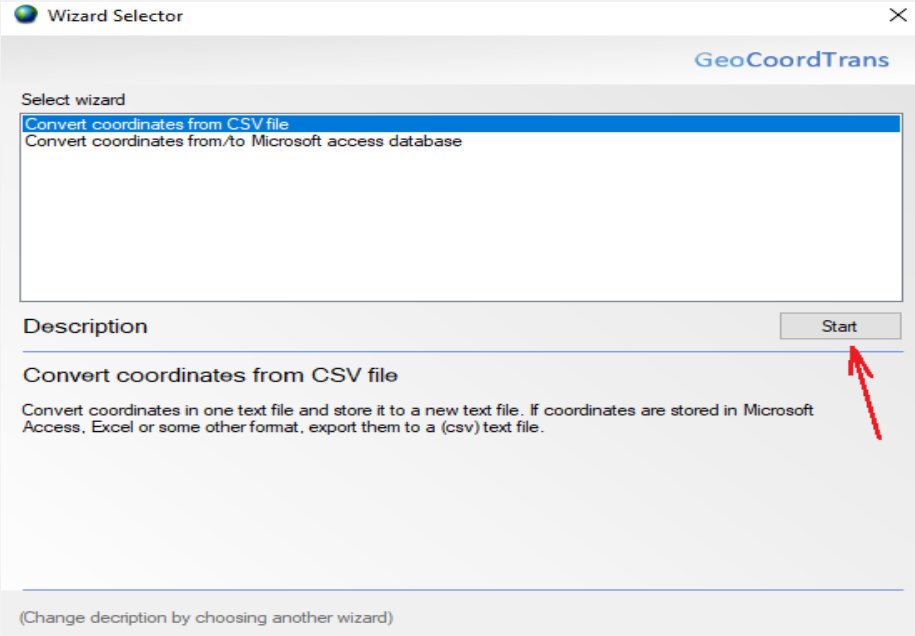
Coordinates can also be acquired by identifying point on map clicking on the point to automatically generate coordinates of the point and then clicking on respective convert button to convert coordinate.

Multiple points Coordinates Conversion

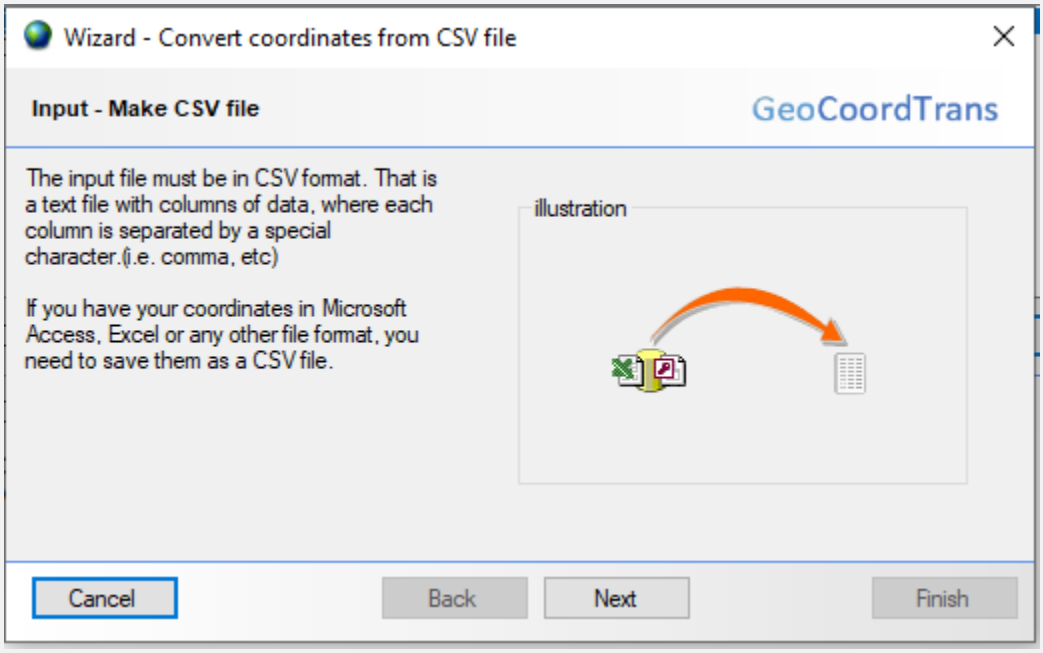
GeoCoordTrans can convert coordinates of points stored in a Text file (i.e. csv, txt) and Microsoft access file. For example;

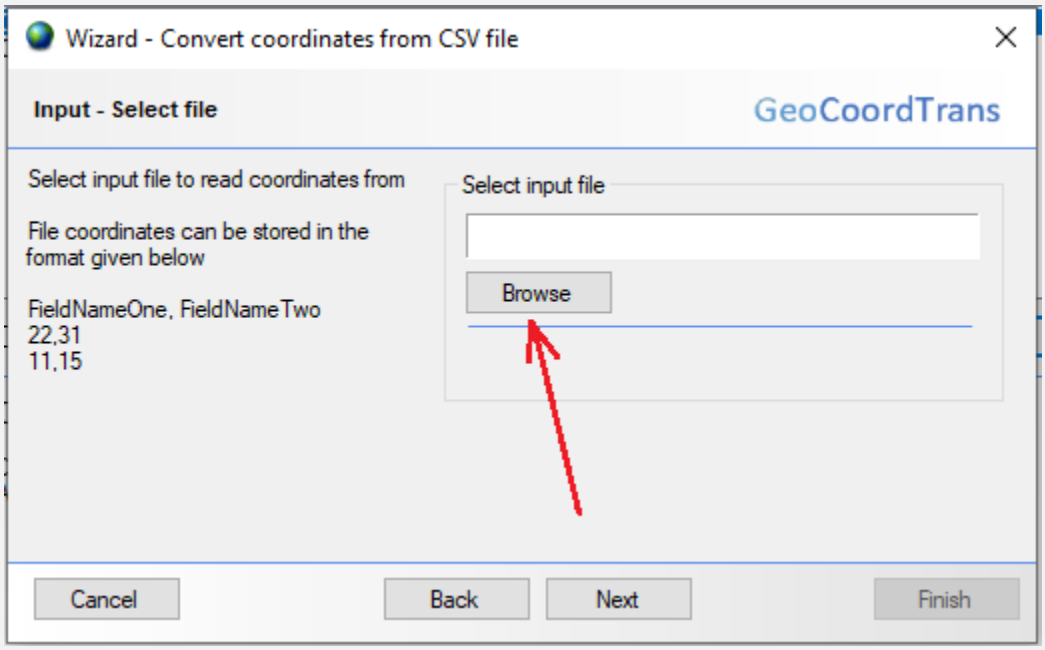
To convert coordinates stored in a CSV file

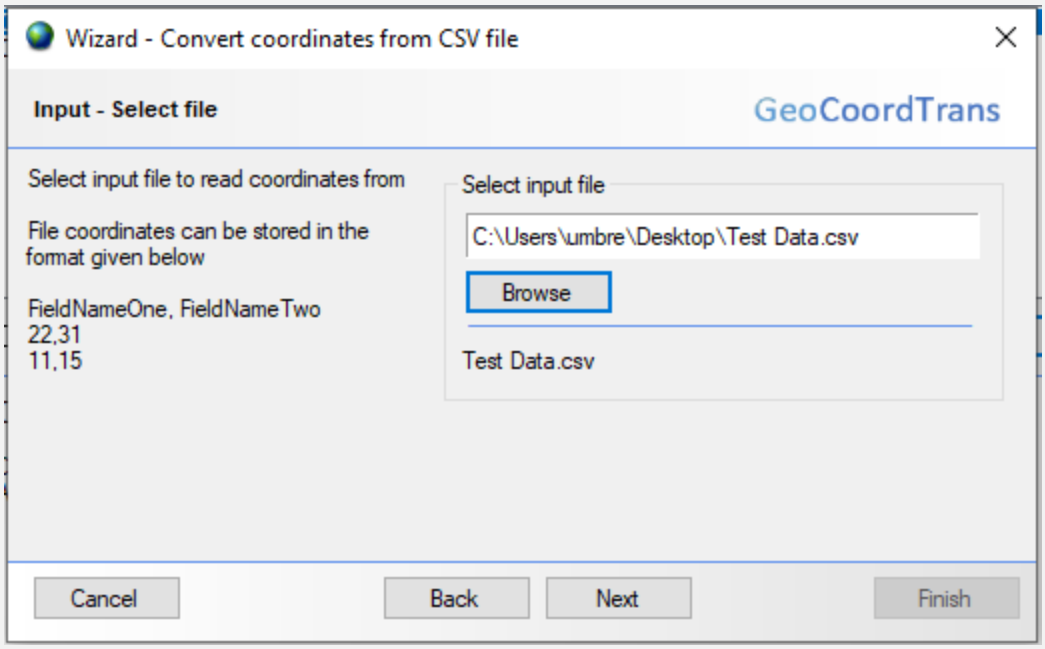
1. Load Wizards form by clicking on **From File** button or **Tools -> Wizards**. Select wizard to use and click **Start**.

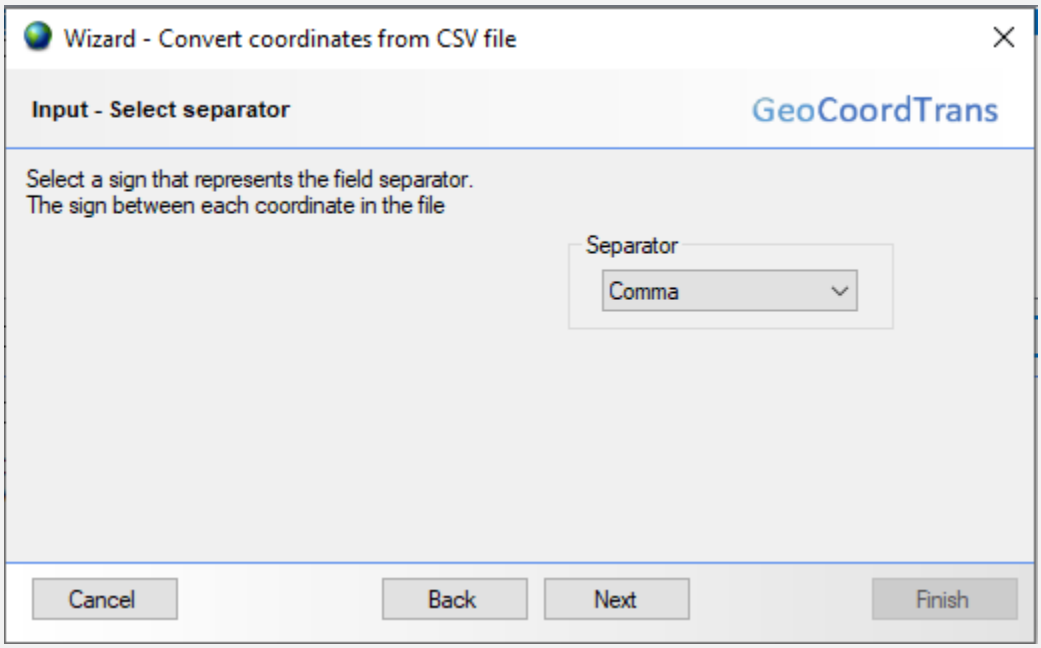


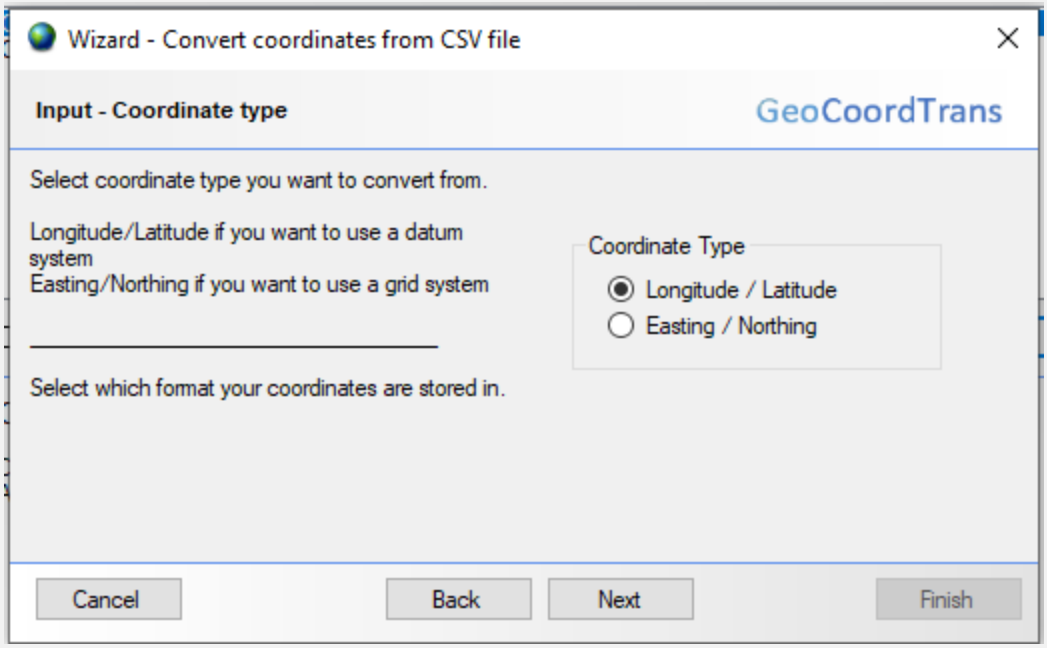
2. Follow the wizard instructions to complete the conversion process

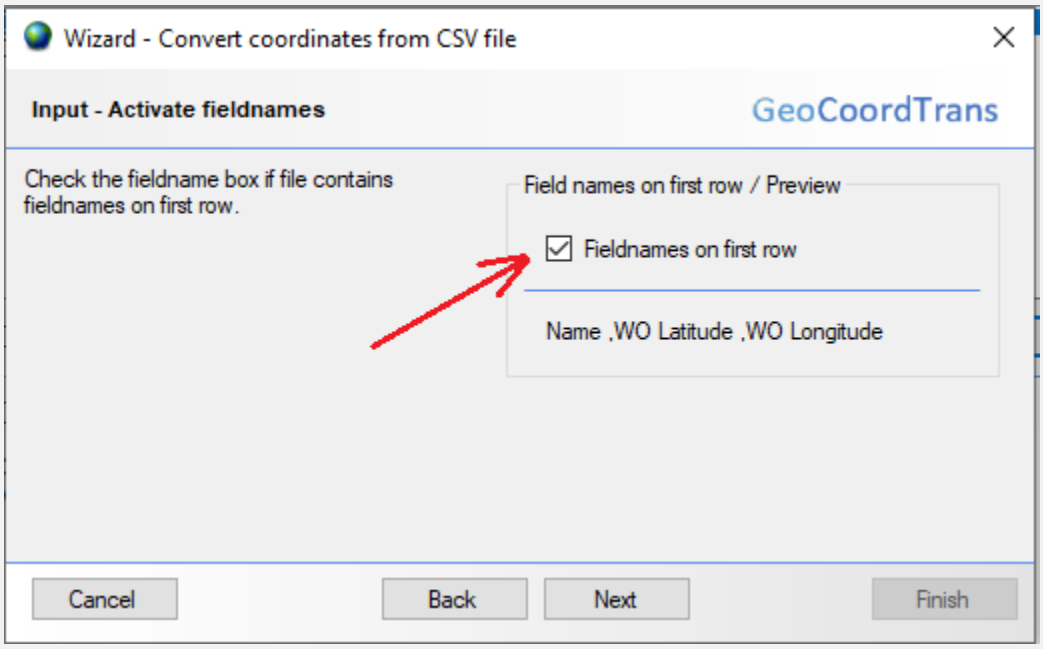


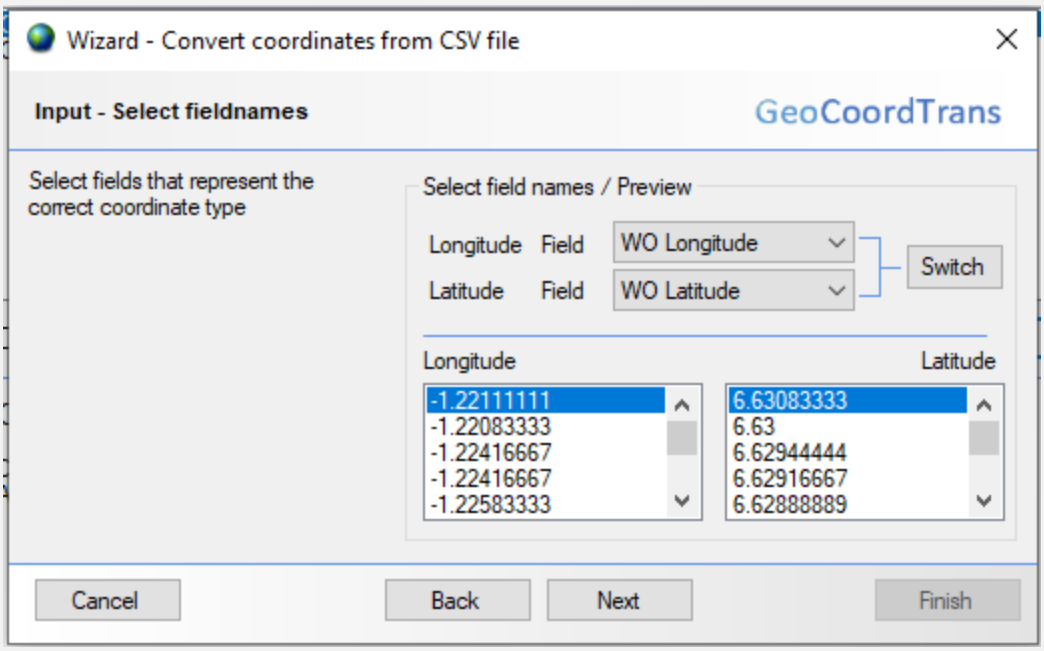


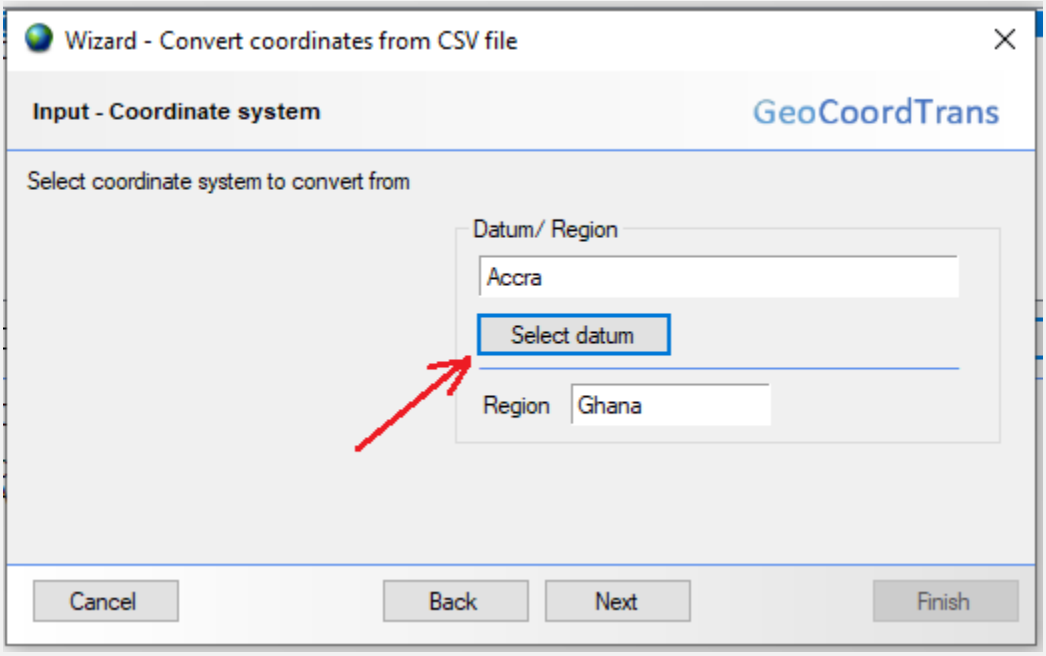


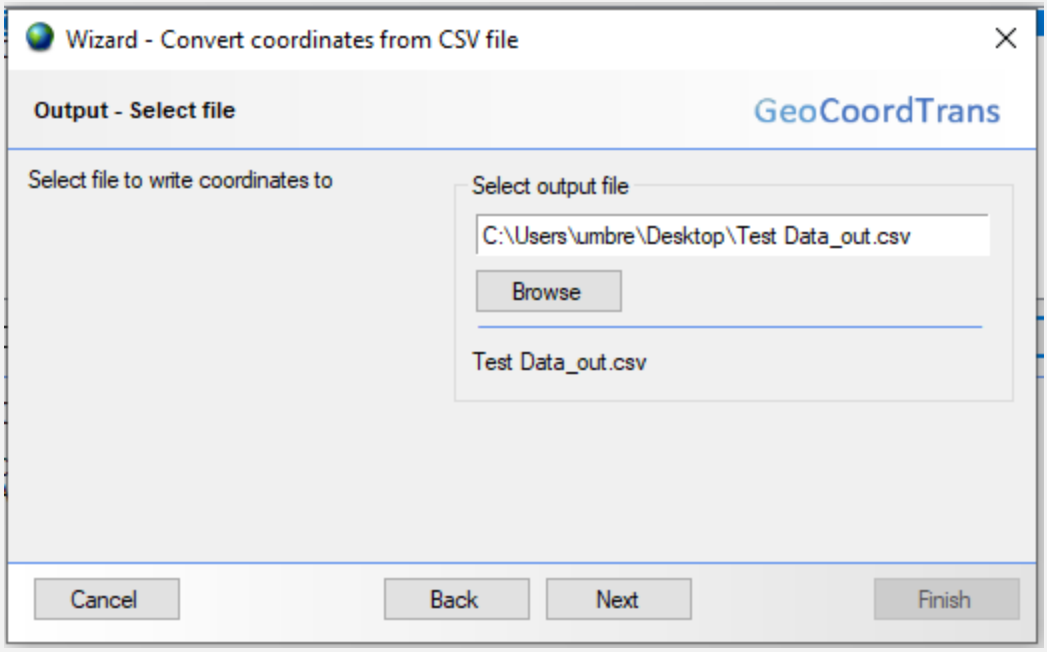


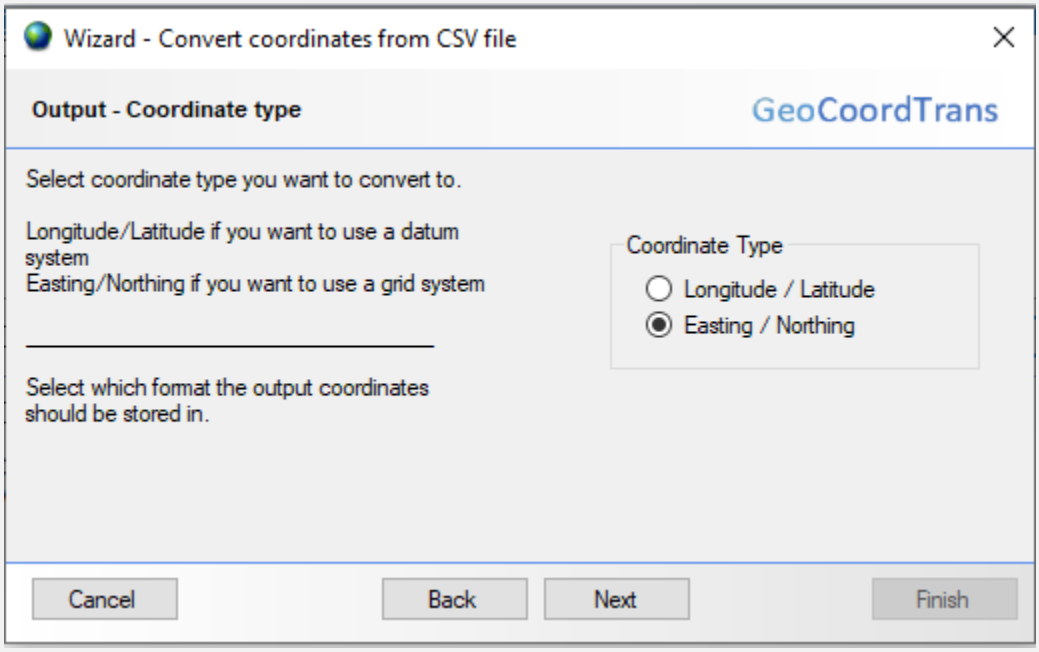


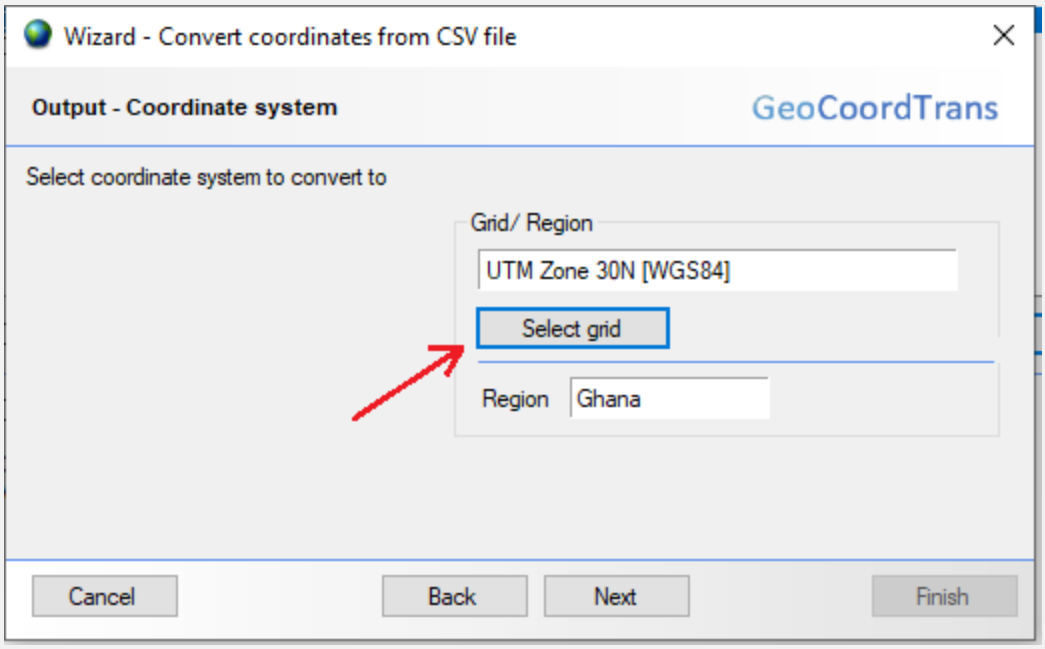


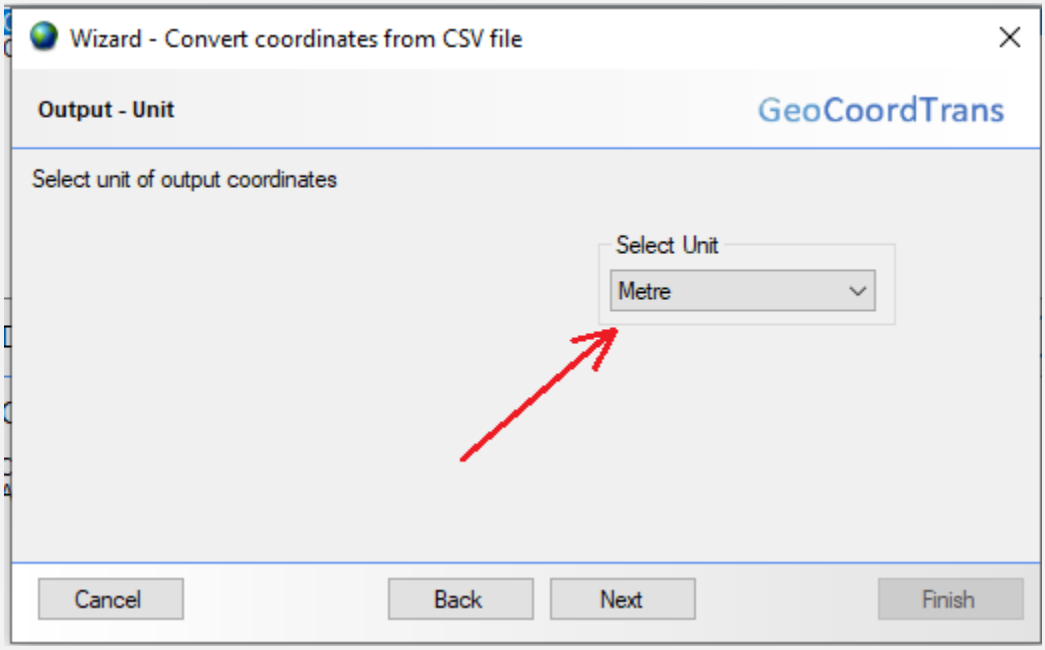


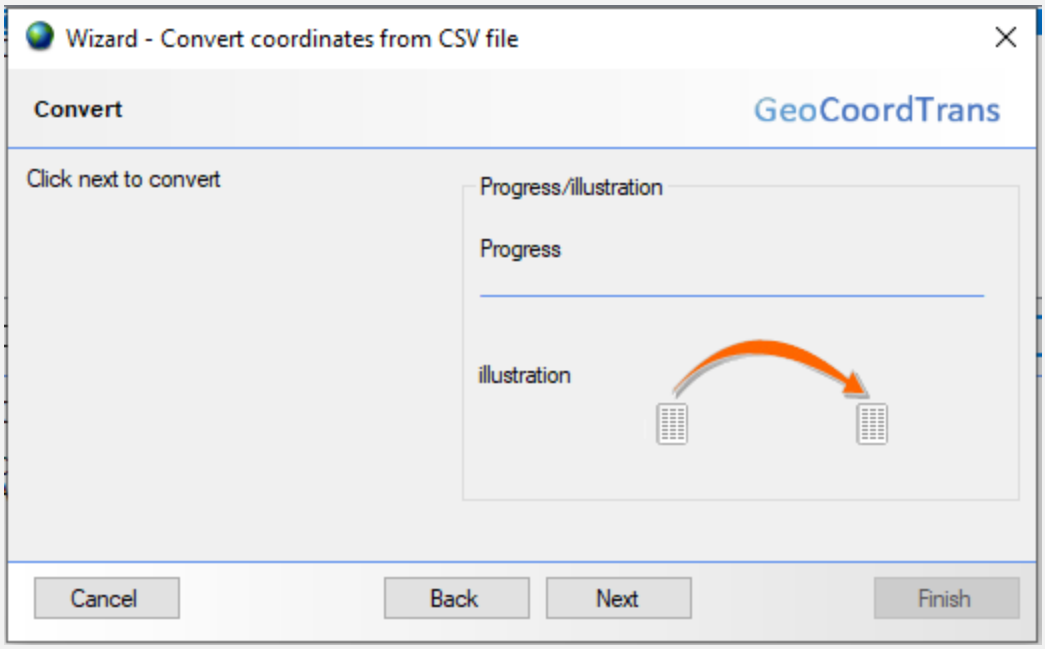


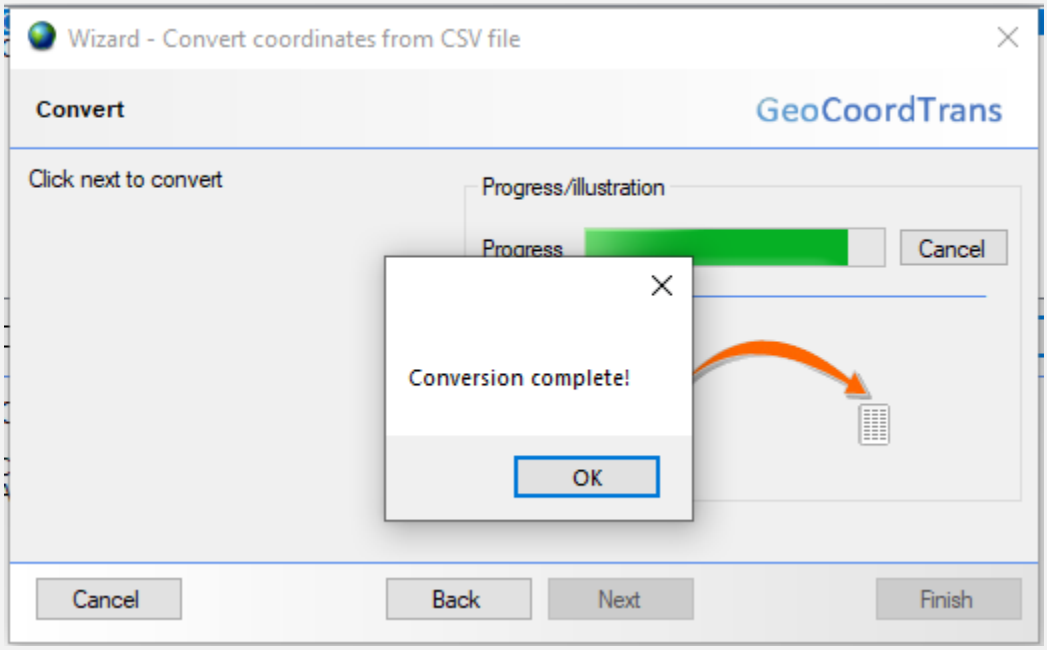












3. Check **Open file** checkbox to open file or click on **Finish** to close wizard