

Coordinate Reference System

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Snehalatha Kaliappan

Prajwal.M

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Learning Objectives



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- ▶ Add layers to projections in QGIS



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- ▶ Add layers to projections in **QGIS**
- ▶ View metadata information for layers



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System Requirements



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- ▶ **Ubuntu Linux OS version 16.04**



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- ▶ **QGIS version 2.18**



Pre-requisites



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- ▶ **Basic knowledge about GIS**



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- ▶ **Please view the previous tutorial in this series**



Pre-requisites

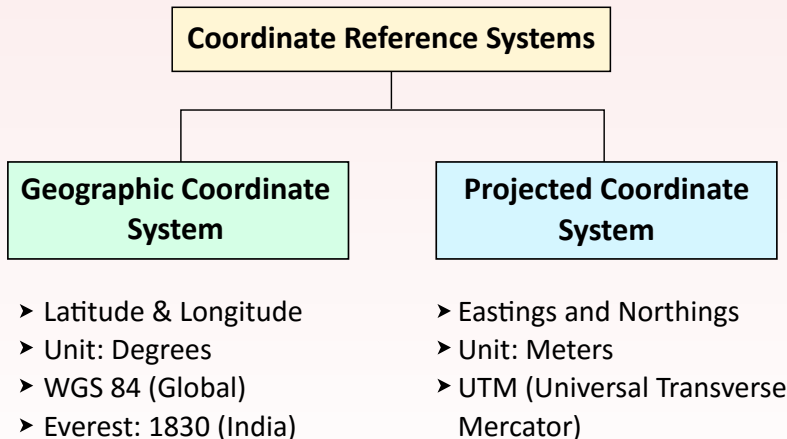
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- ▶ **<https://spoken-tutorial.org/>**



Coordinate Reference Systems



Coordinate Reference Systems



World Map File



World Map File

- ▶ Please view the pre-requisite video of this tutorial
- ▶ World map file can be downloaded from the Code files link

<https://www.naturalearthdata.com/downloads/10m-cultural-vectors/>



Data Layers



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- ▶ **Geographical data is stored in layers in a GIS workspace**



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- ▶ Each layer has data stored in its attribute table



Data Layers

- ▶ Geographical data is stored in layers in a GIS workspace
- ▶ Each layer has data stored in its attribute table
- ▶ Many layers can represent data of the same geographical location



Summary



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- ▶ Add layers to projections in **QGIS**
- ▶ View metadata information for layers
- ▶ Save selected features from a layer to a new layer
- ▶ Re-project and overlay data layers of different projections together



Assignment

- ▶ Project the United States with **North_America_Lambert_Conformal_Conic** and observe the difference
- ▶ Re-project the entire world map layer into **World_Mercator** projection system



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
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Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to contact@spoken-tutorial.org



Forum for specific questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit
<http://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

