## Stereographic projections



## (Source: http://mathworld.wolfram.com/StereographicProjection.html)

In this drawing the North and South Poles are denoted by $\boldsymbol{N}$ and $\boldsymbol{S}$ respectively, the point $\boldsymbol{O}$ is the center of the sphere, and the image of the point $\boldsymbol{P}$ under stereographic projection is denoted by $\boldsymbol{P}^{\boldsymbol{\prime}}$.

Here is a stereographic projection map of the earth centered at the North Pole.

(Source: http://www.dreamstime.com/royalty-free-stock-photos-map-of-northern-hemisphere-polar-stereographic-image7741108)

