

## Snow Events in Ireland during 2010

2010 brought significant snowfalls to Ireland in both the first and last months of the year.

The **winter of 2009–2010 in Europe** was unusually cold. Globally there were atypical snowfalls in several parts of the Northern Hemisphere. In January 2010, Ireland experienced exceptionally weather and heavy snowfalls. A persistent weather pattern brought cold moist air from the north with systems undergoing cyclogenesis from North American storms moving across the Atlantic Ocean to the west, and many parts of Europe had heavy snowfall and record low temperatures [Source: [http://en.wikipedia.org/wiki/Winter\\_of\\_2009%E2%80%932010\\_in\\_Europe](http://en.wikipedia.org/wiki/Winter_of_2009%E2%80%932010_in_Europe) ].

Tasks to be undertaken:

- Examine the historical record of snow in Ireland
- Put the Jan. 2010 and Dec. 2010 events in the context of climatology
- Compare and contrast the two cold periods.
- Investigate the synoptic patterns associated with the snowfall events
- Produce a detailed description of the actual events
- Discuss the effect on activities in Ireland (transport, economy, water supply, health, etc.)
- Investigate the possible links of this and similar events with the wider-scale circulation in the Northern Hemisphere (Rossby-wave patterns, NAO, etc.)
- Summarize findings in a report.

