



## Permafrost Peatlands

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 [sanskritias.com/pt-cards/permafrost-peatlands-8](https://sanskritias.com/pt-cards/permafrost-peatlands-8)



- **Permafrost peatland is a type of wetland beneath permafrost.** It is known that permafrost is a area that has been **frozen at 0°C or below** for at least two continuous years.
- Due to extremely low temperature, **anaerobic decomposition prevent** here. It is vitally important to prevent and mitigate the effects of climate change, to preserve biodiversity, to reduce the risk of floods and to ensure safe drinking water.
- Peatlands are the **largest natural terrestrial carbon store**, covering only 3% of the global land surface, but storing twice as much carbon as all the world's forests.
- Generally it is found in polar regions, specially Greenland, Alaska, Russia, Canada, Siberia and some mountainous regions.
- According to scientists, **permafrost peatlands located in Europe and Western Siberia may melt by 2040** due to increase in global temperature.