

Cold Environment



Svalbard, Norway

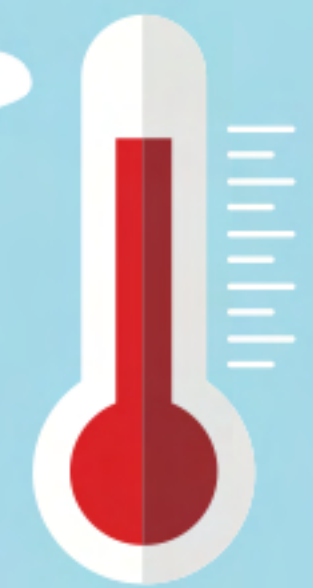
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Svalbard is a Norwegian archipelago located in the Arctic Ocean between Norway and the North Pole. They are the most northerly permanently inhabited island in the world.

60% of the land area is true polar environment, made up of bare rock and glaciers. The remainder is tundra, overlying thick permafrost.



Longyearbyen



7°C



-30°C

development opportunities

mineral extraction



300 jobs in coal mining

most coal exported to Russia

energy

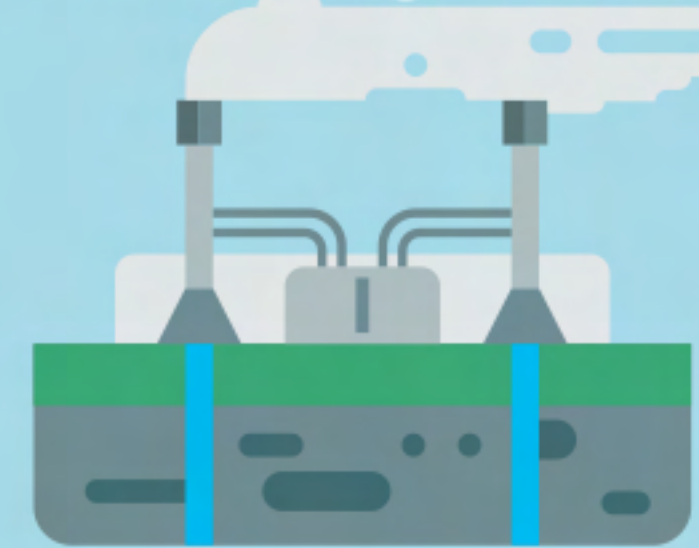


oil & gas extensive reserves

coal power station



coming soon



fishing

breeding & nursery grounds



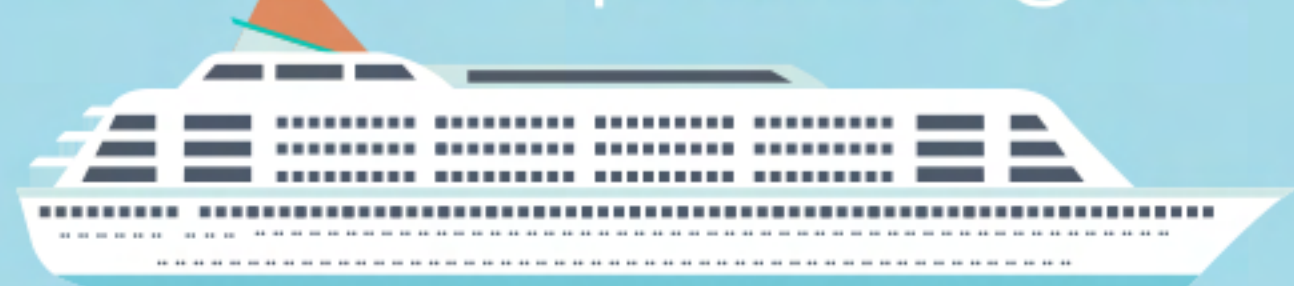
150 species



nutrient-rich cold water

tourism

30K cruise passengers



70K tourists per year Longyearbyen

development challenges

extreme temperature



-30°C

very cold



sea freezes

roads dangerous



buildings and infrastructure

permafrost services above ground



roads constructed on gravel beds

↓ heat transfer



inaccessibility

only 50km



locals

