

WHERE IN THE ARCTIC?

This page gives SELECTED EXAMPLES of projected future changes, where they are expected to affect specific regions.

1 The greatest shortening of snow cover is projected over **Alaska** and **northern Scandinavia** where snow-cover duration is expected to be 30–40% less than it is today by 2050.

2 The greatest increases in maximum snow accumulation over the next 50 years are projected over **Siberia** (increase by 15–30%).

3 In Russia, ground temperature increases of 0.6 to 1 °C are projected to occur by 2020.

4 Regional models of **lakes between 40° and 75° N** indicate that in 2040–2079, lakes will be ice-covered for between 15 and 50 fewer days during the year.



5 Projected temperature changes along the length of the four largest Arctic rivers – the **Mackenzie in Canada** and the **Yenisey, Lena and Ob in Russia** – suggest that the length of time they remain frozen will progressively decrease between now and 2100.

6 Mountain glaciers in **northeastern Siberia** are projected to lose 78% of their area by 2070.

7 The greatest increases in rain and snowfall are projected over northeast **Greenland** followed by coastal **Siberia** and the **Canadian Arctic Archipelago**.