

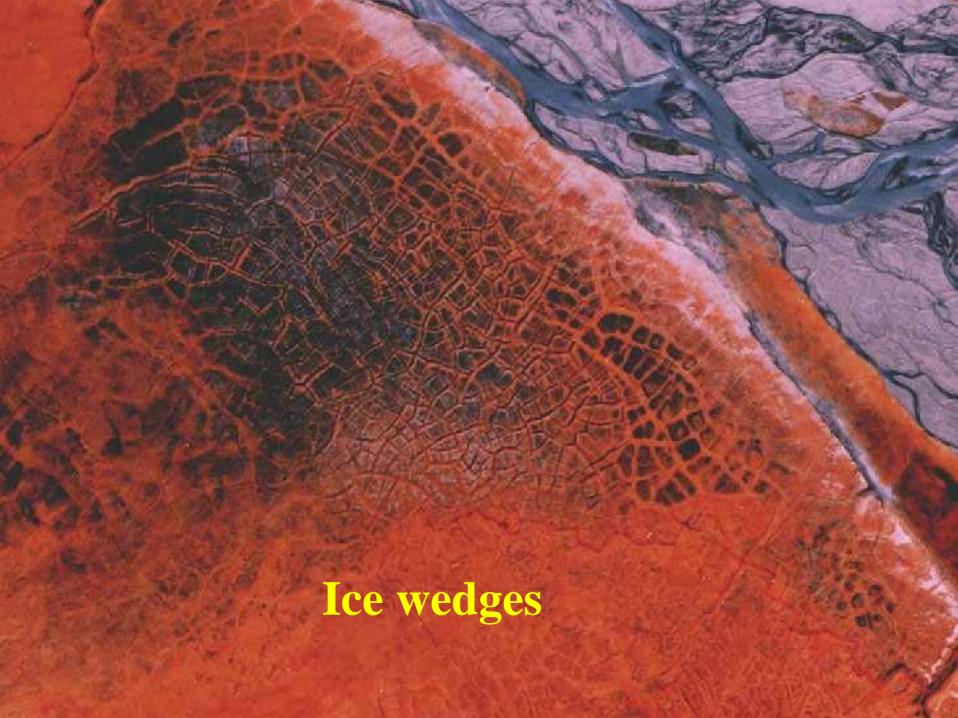
Permafrost landforms 1

1: Ice wedges

2: Pingos

3: Palsas

3: Large sorted phenomena



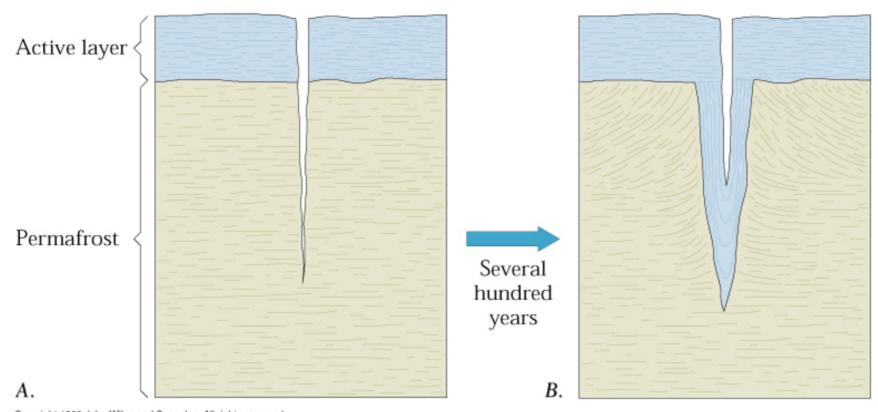




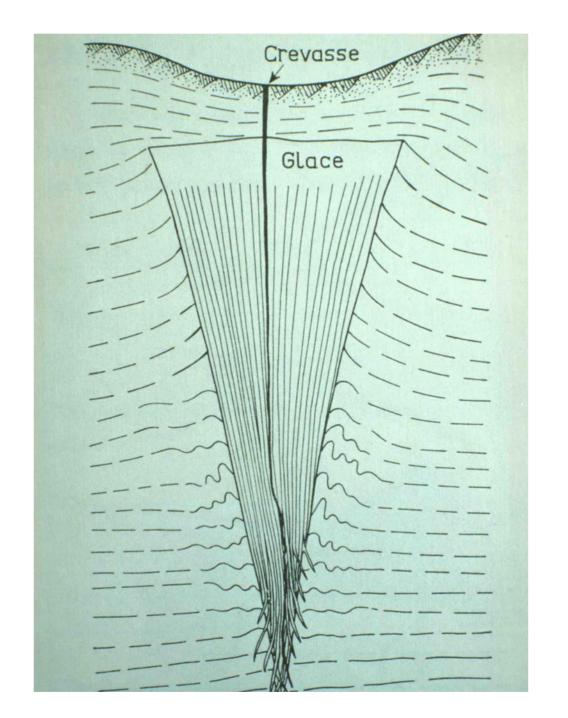








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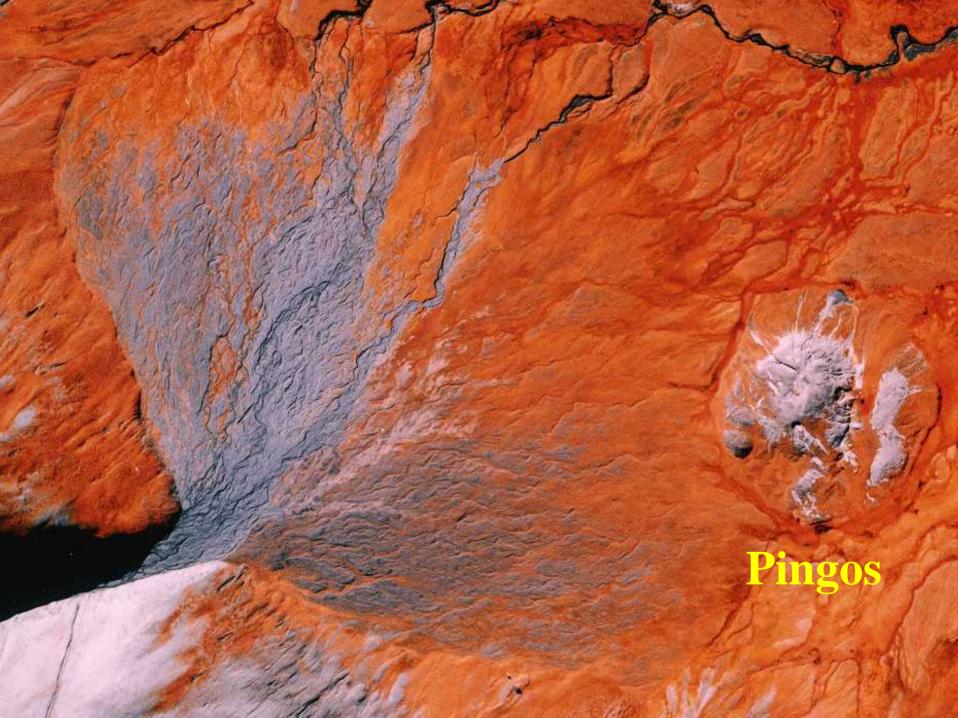
























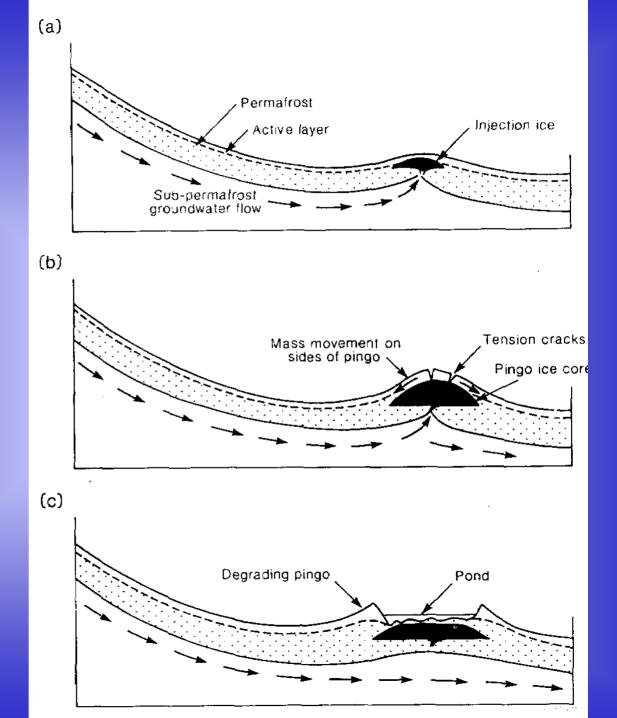






Open system pingos

This pingo type is usually found in high relief permafrost areas



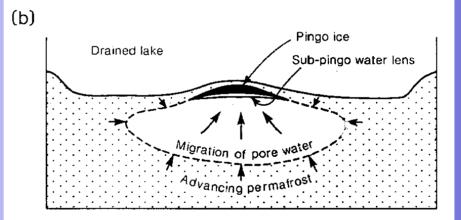
Closed system pingos

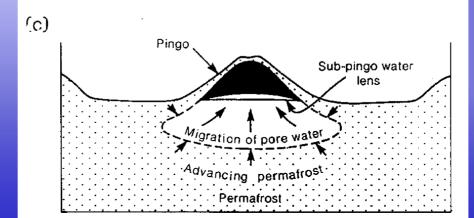
Lake

Unfrozen
(Talik)

Permafrost

This pingo type is usually found in low relief permafrost areas

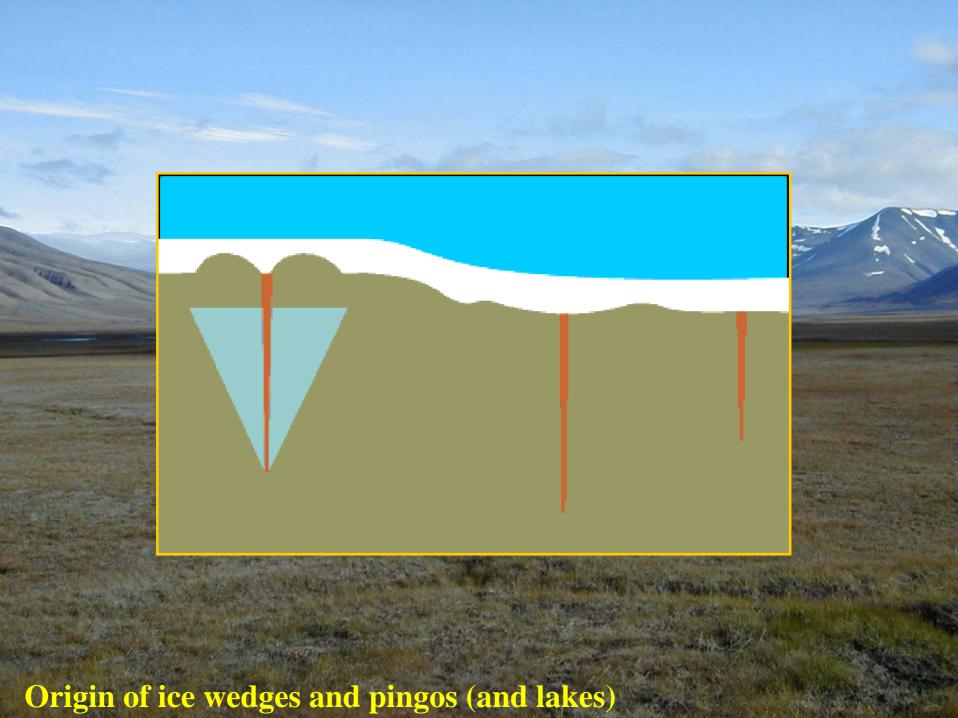


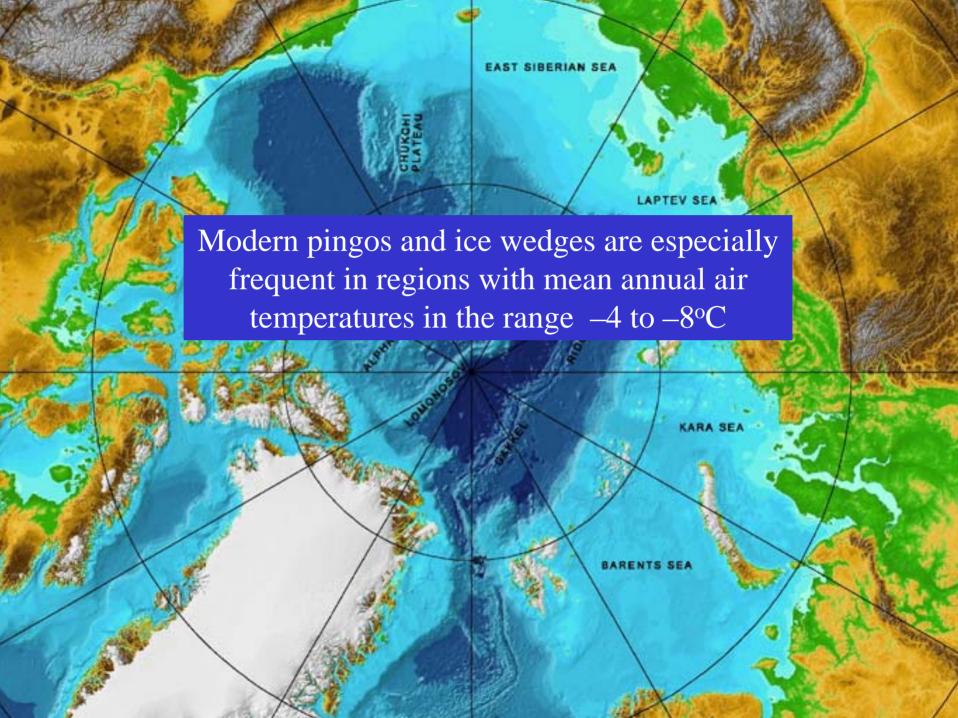


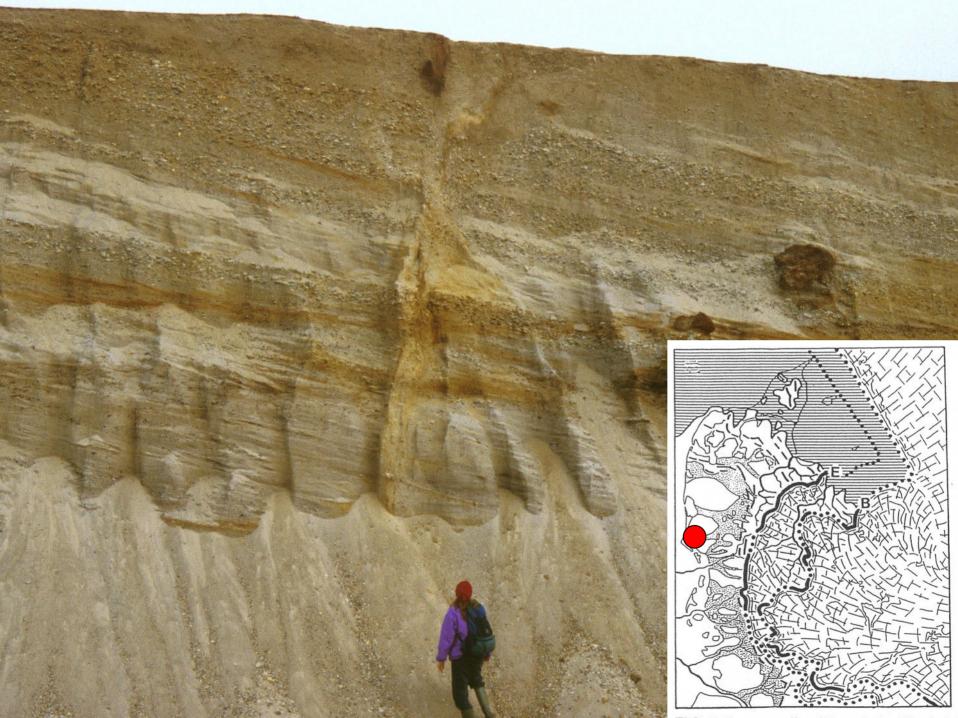




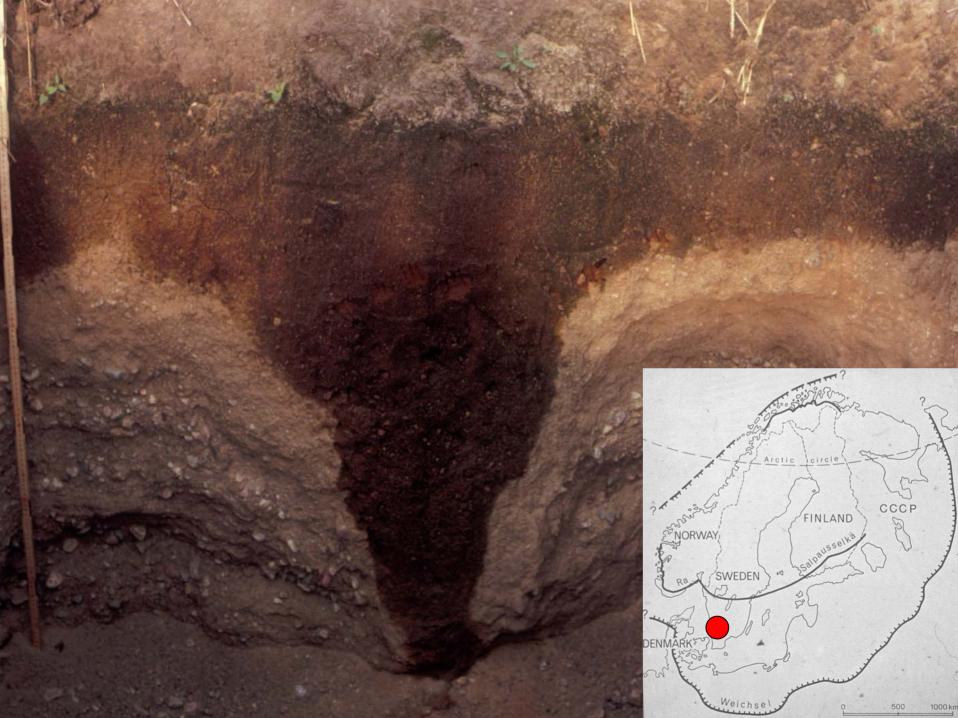












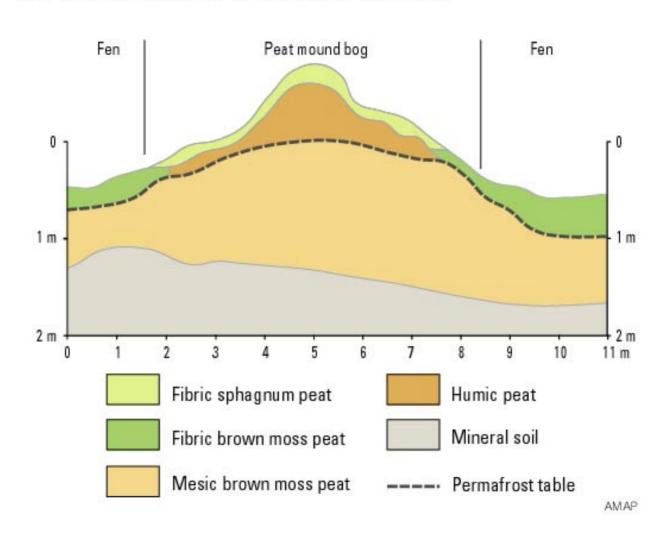






Arctic Monitoring and Assessment Programme

AMAP Assessment Report: Arctic Pollution Issues, Figure 2-14











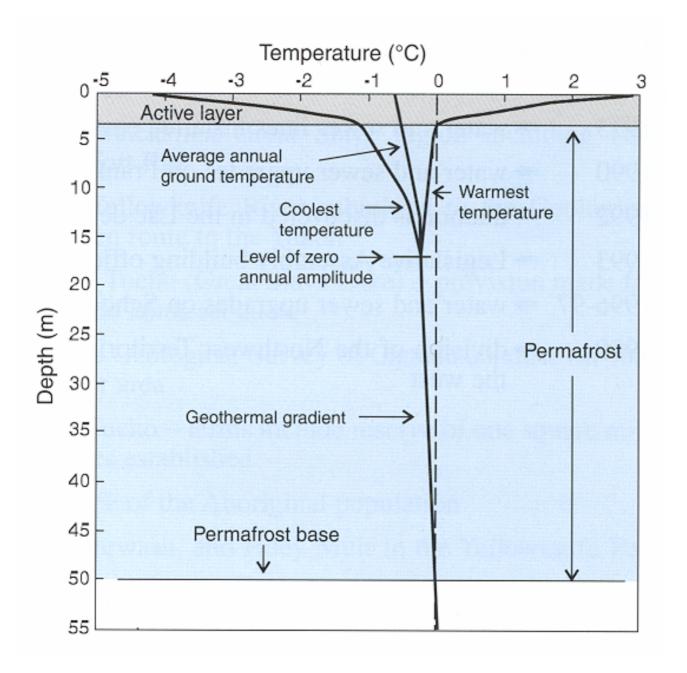
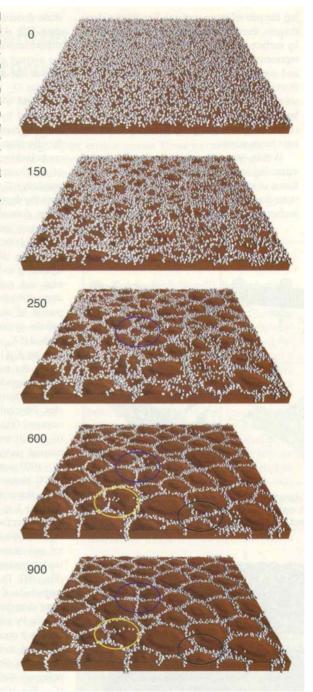


Fig. 4. Development of sorted polygons from a random initial configuration. Blue ovals indicate a small polygon evolving to an intersection. Black ovals indicate a transition from a four-way to a three-way intersection through the shrinking of a neighboring soil domain. Yellow ovals indicate an unstable perturbation on a stone domain extending across a soil domain. Numbers indicate the iteration pictured. Simulation size = $10 \times 10 \, \text{m}$, $10,000 \, \text{stones}$, cell width = $0.1 \, \text{m}$, $D_{\text{ls}} = 0.5 \, \text{m}$, $K_{\text{ls}} = 0.005 \, \text{m}^2/\text{cycle}$, $D_{\text{sq}} = 0.2 \, \text{m}$, $K_{\text{sq}}dw = 0.002 \, \text{m}^3/\text{cycle}$, $C_{\text{sq}} = 1.0 \, H_{\text{max}} = 10 \, \text{stones}$.





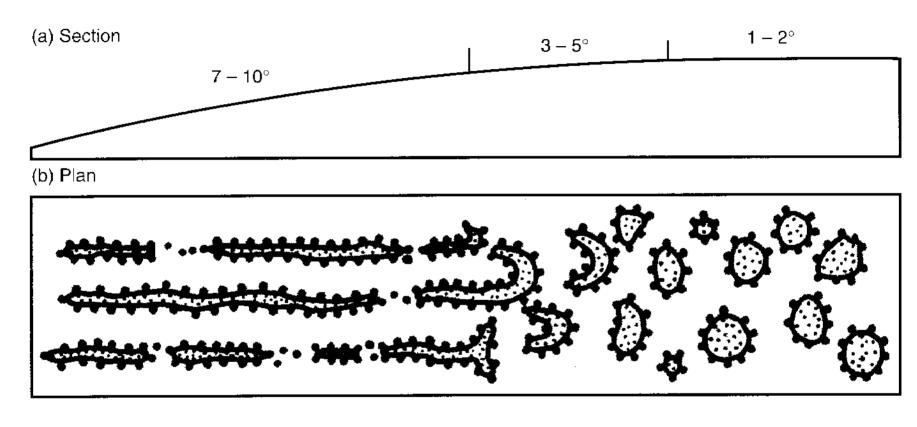












Fines Coarse pebbles

Figure 8.11 Diagram illustrating the change from circles to stripes as slope angle increases, according to J. Büdel (1960).





