# Trees and microclimate

### Explanatory video transcript

*(0:07)* Let's see how trees affect the climate of an area.

*(0:10)* Our planet's atmosphere traps sunrays to keep us warm, like a greenhouse.

*(0:16)* But too many sunrays mean it's too hot.

*(0:19)* That's what carbon dioxide does.

*(0:22)* Have you noticed in your area that where there are trees, the climate is better?

*(0:27)* Trees block sunrays and give a shadow, like an umbrella.

*(0:31)* They also reduce temperature through evapotranspiration.

*(0:35)* That is when water is absorbed by the roots, travels to the leaves, converts to vapor and cools the area.

*(0:41)* They increase air flow through their leaves, too.

*(0:44)* So trees help us feel cooler.

*(0:47)* Let's protect them!