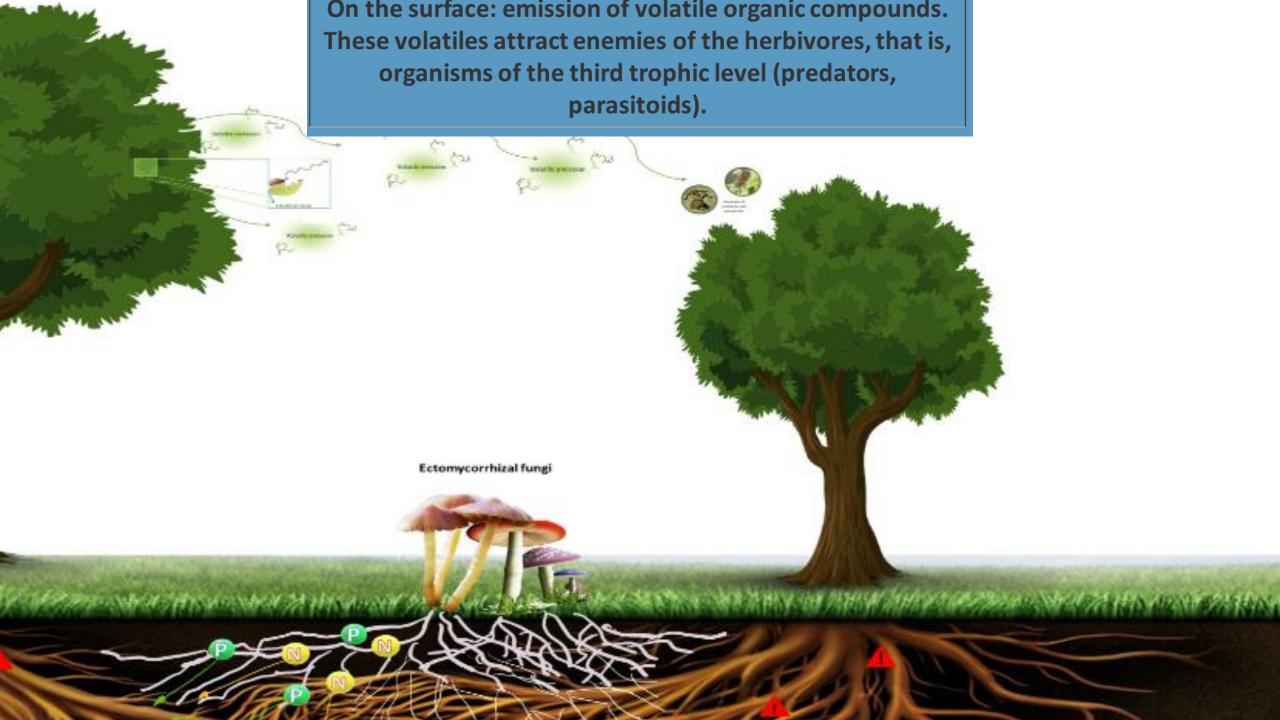
Plant communication. How it works

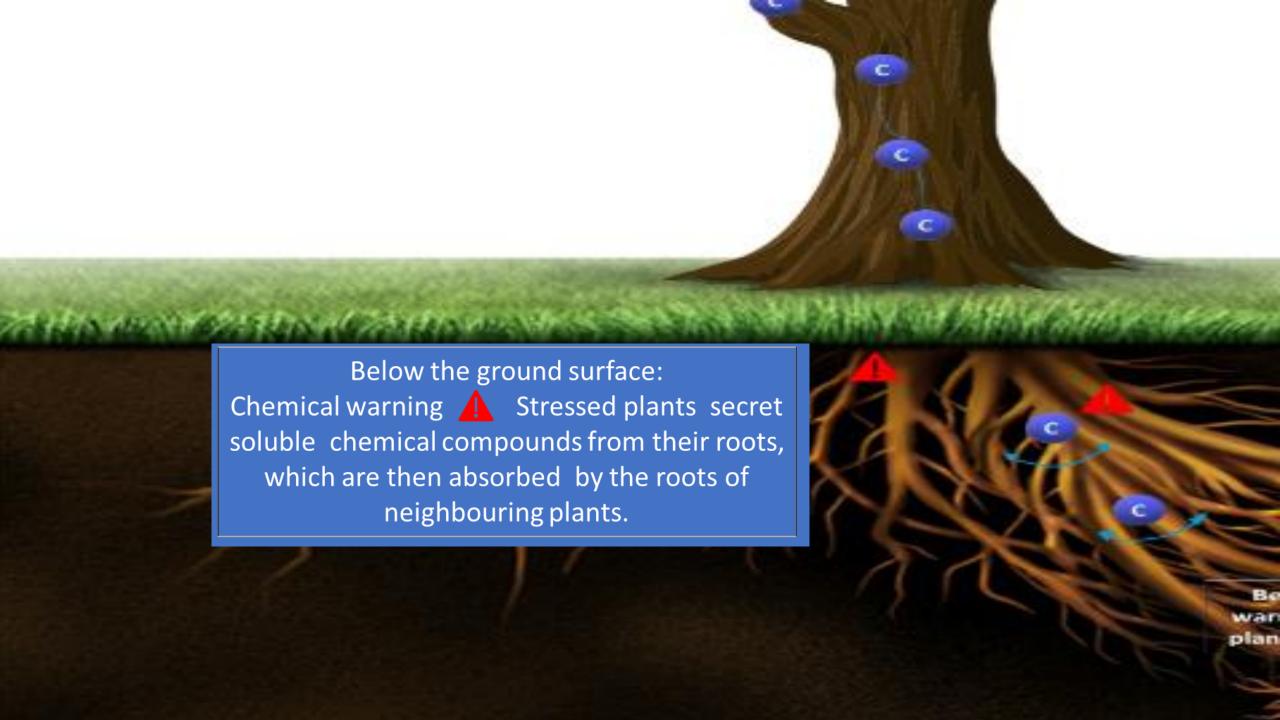


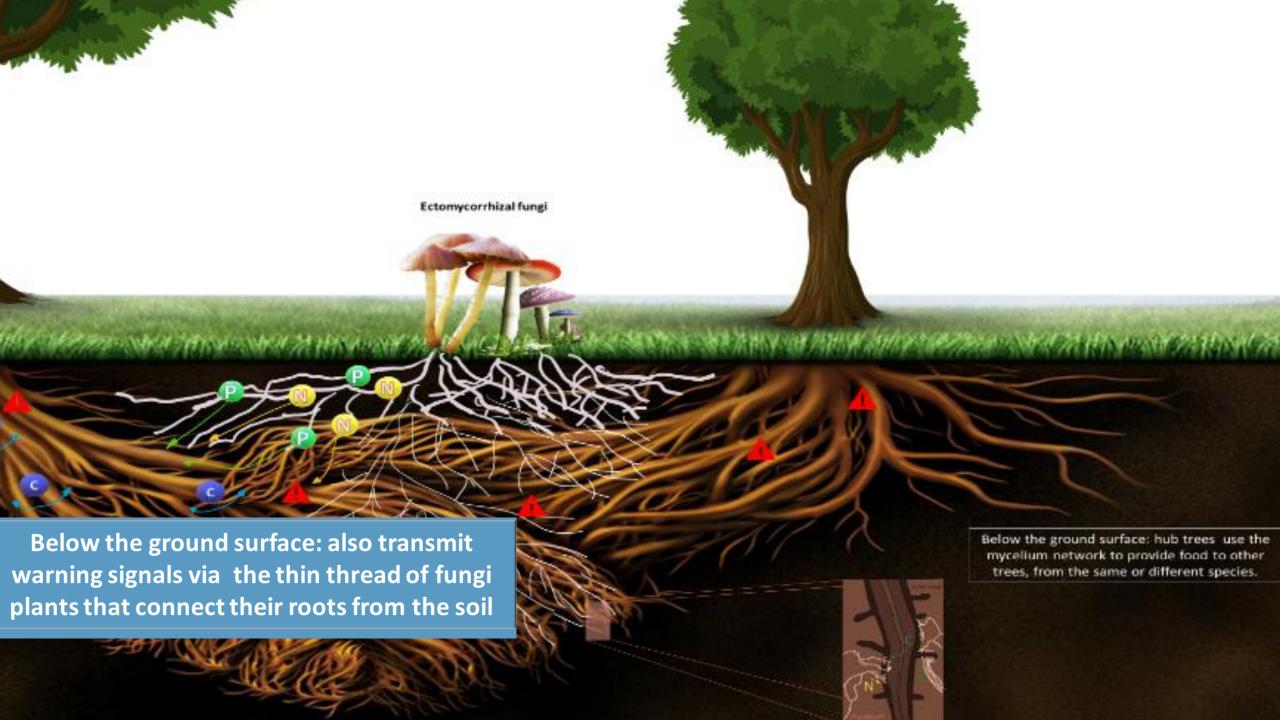


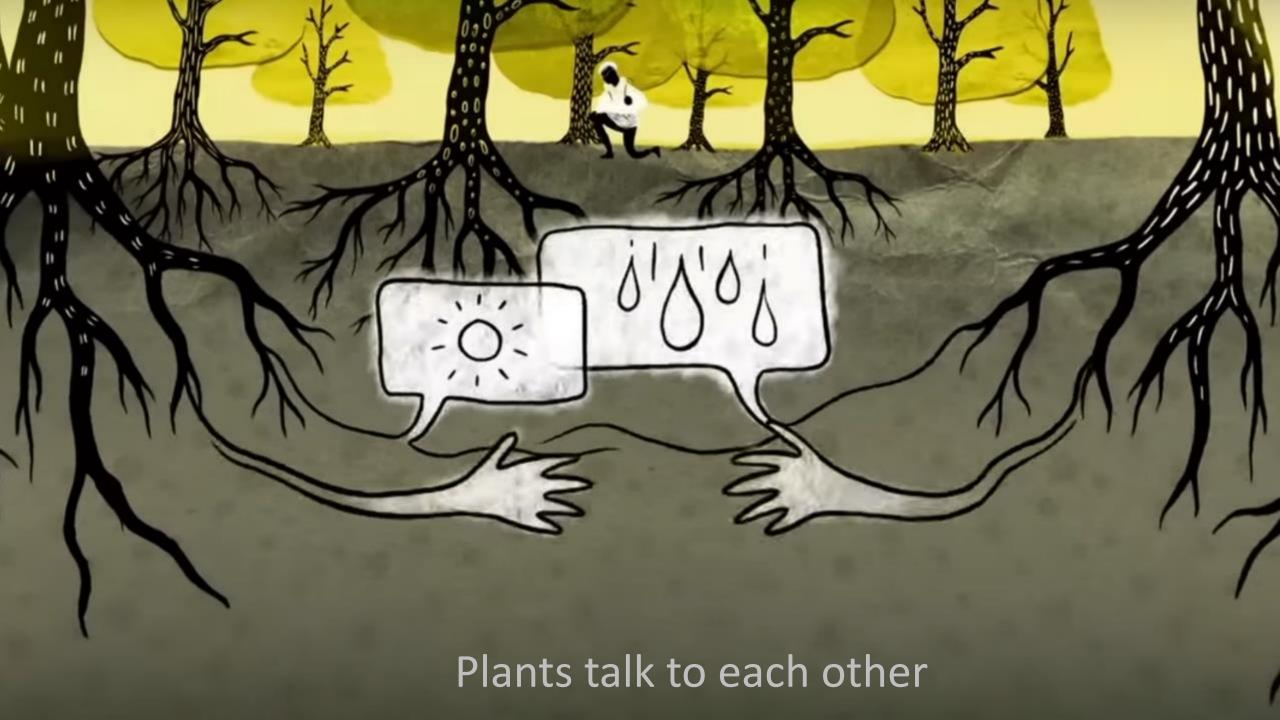


Plant communication. How it works On the surface: emission of volatile organic compounds. CO2-These volatiles attract enemies of the herbivores, that is, organisms of the third trophic level (predators, parasitoids). Photosynthesis Ectomycorrhizal fungi Below the ground-surface: Chemical warning Stressed plants secret soluble chemical compounds from their roots, which are then absorbed by the roots of neighbouring plants Below the ground surface: hub trees use the Below the ground surface: also transmit warning signals via the thin thread-of fungl mycelium network to provide food to other trees, from the same or different species. Erasmus+

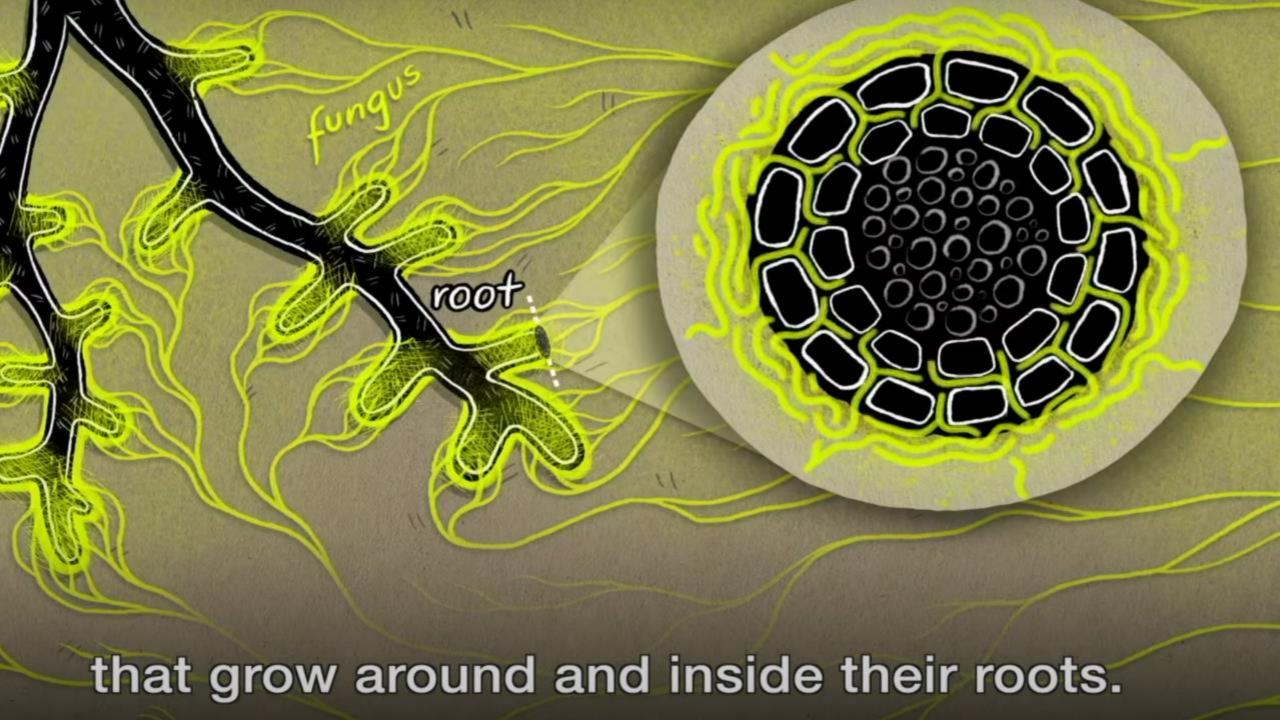


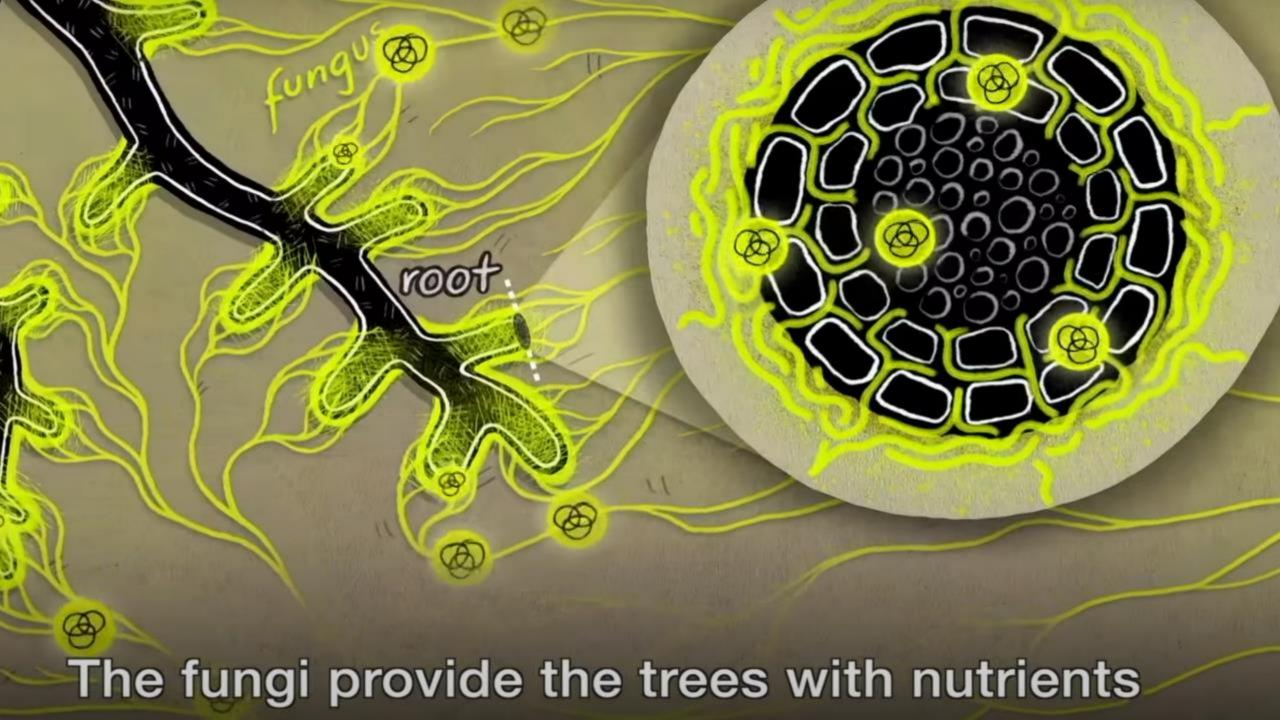




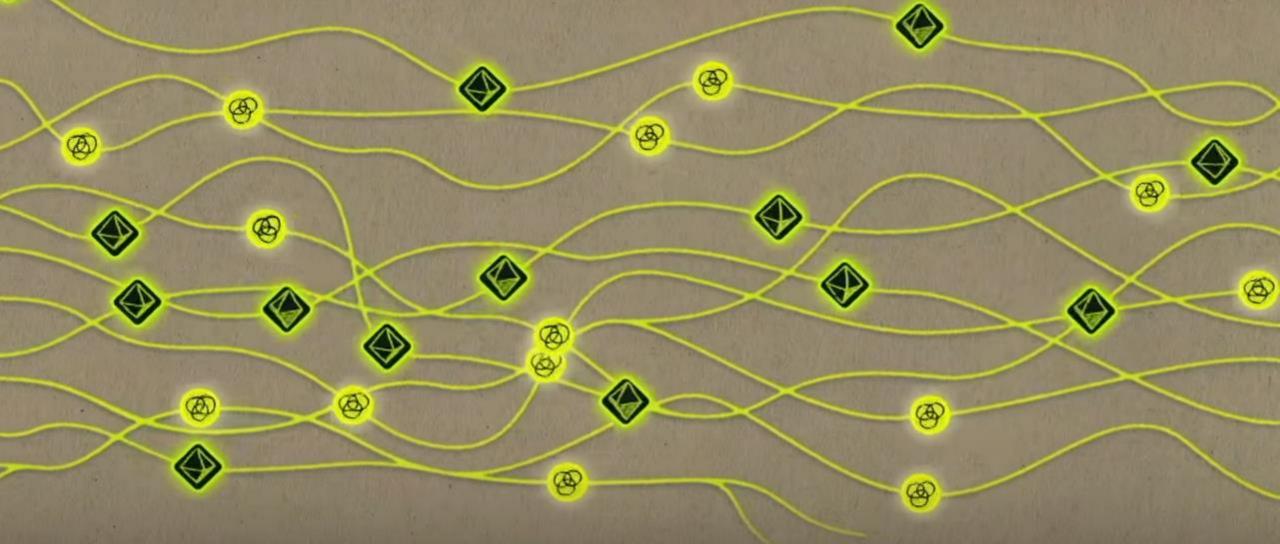




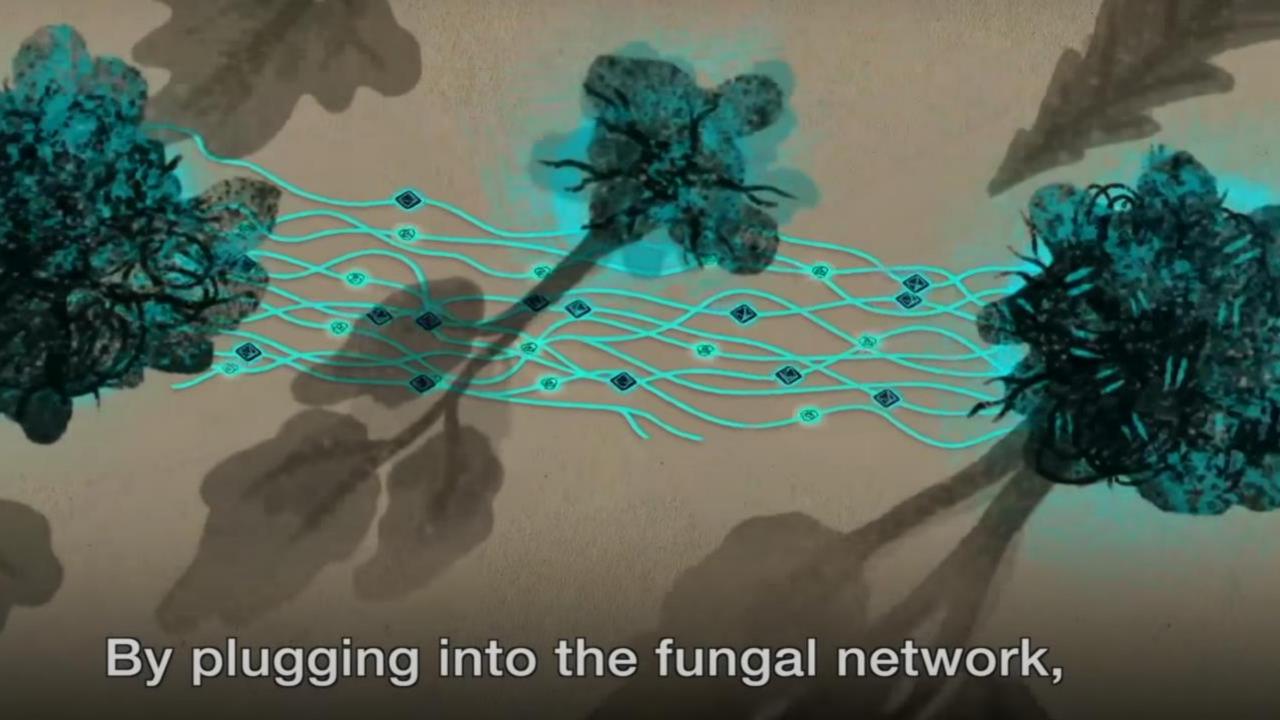


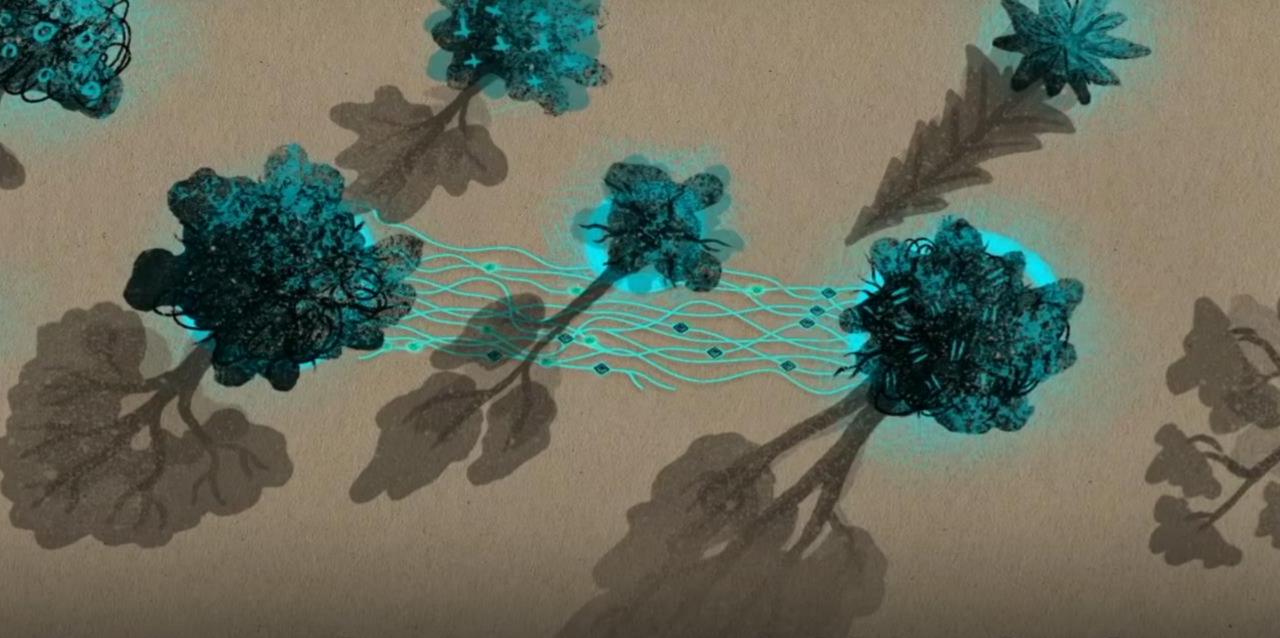






But scientists have found this connection runs far deeper than first thought.





trees can share resources with each other.







Those trees that are sick or dying



may dump their resources into the network



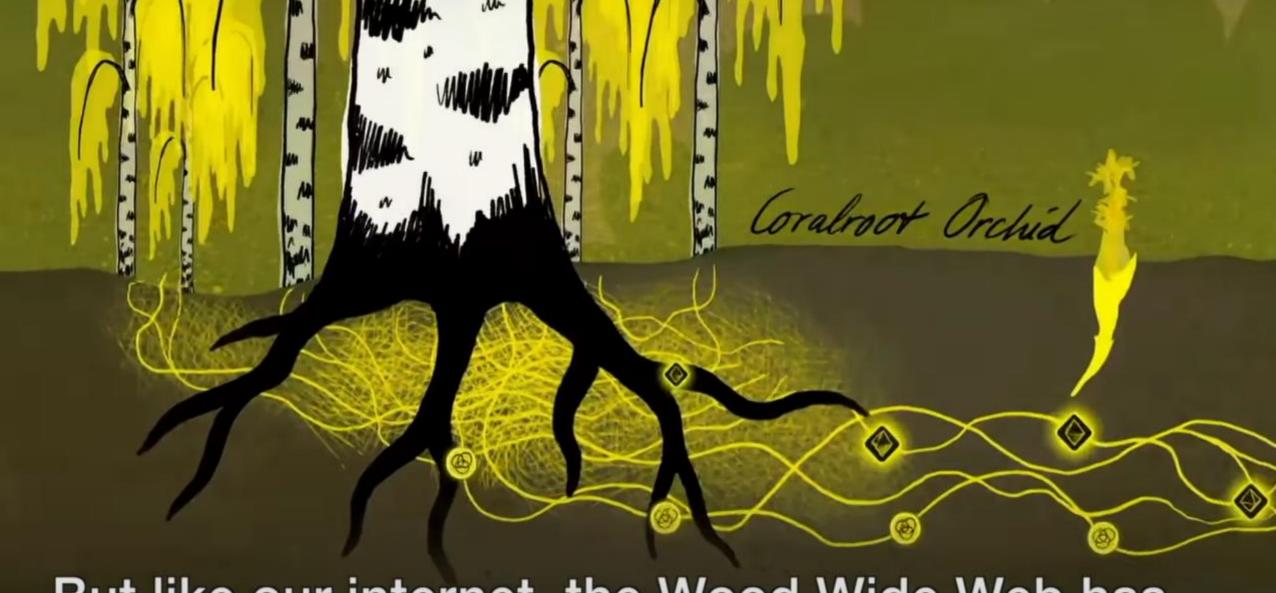
which might then be used by healthier neighbours.







which can warn their neighbours to raise their defences.



But like our internet, the Wood Wide Web has its dark side too.



resources from nearby trees





through the network to sabotage their rivals.



scientists are still debating

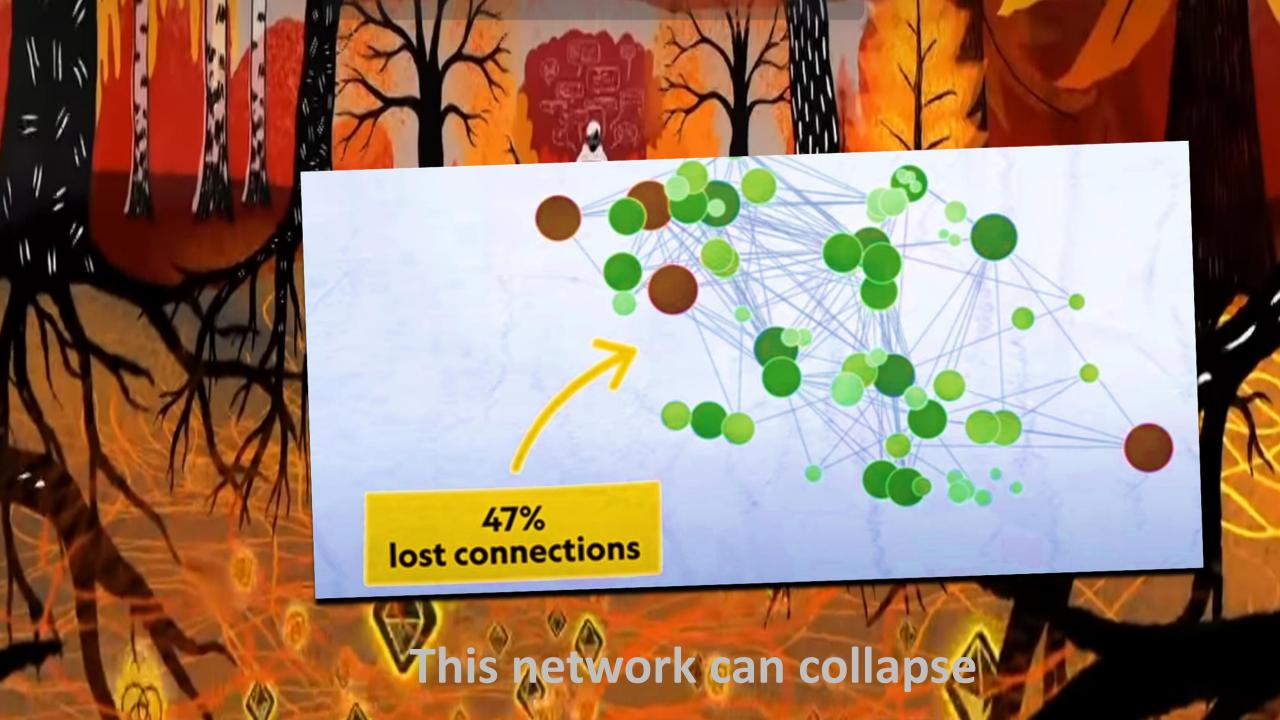


why plants seem to behave in such an altruistic way.











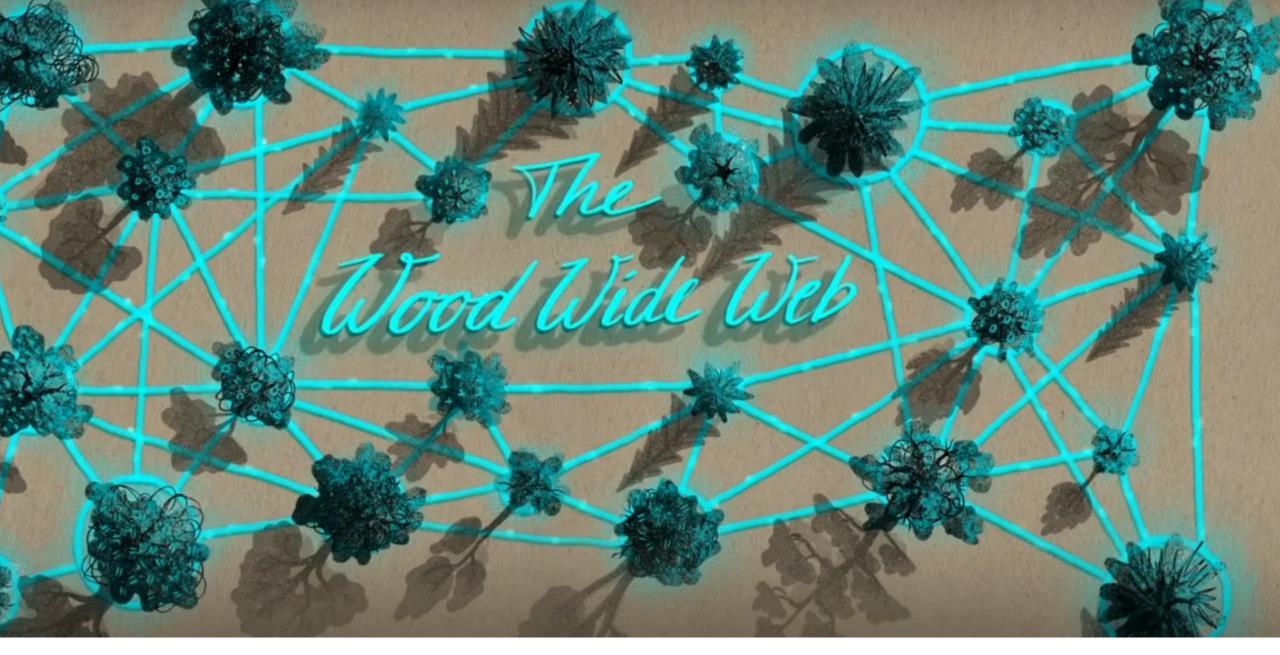






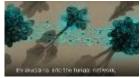


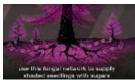




The Wood Wide Web!!











HANK

