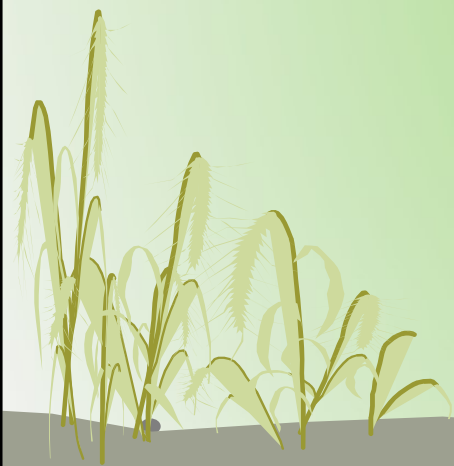




# Trees

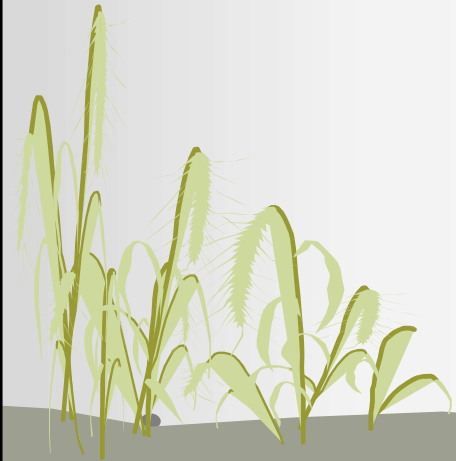
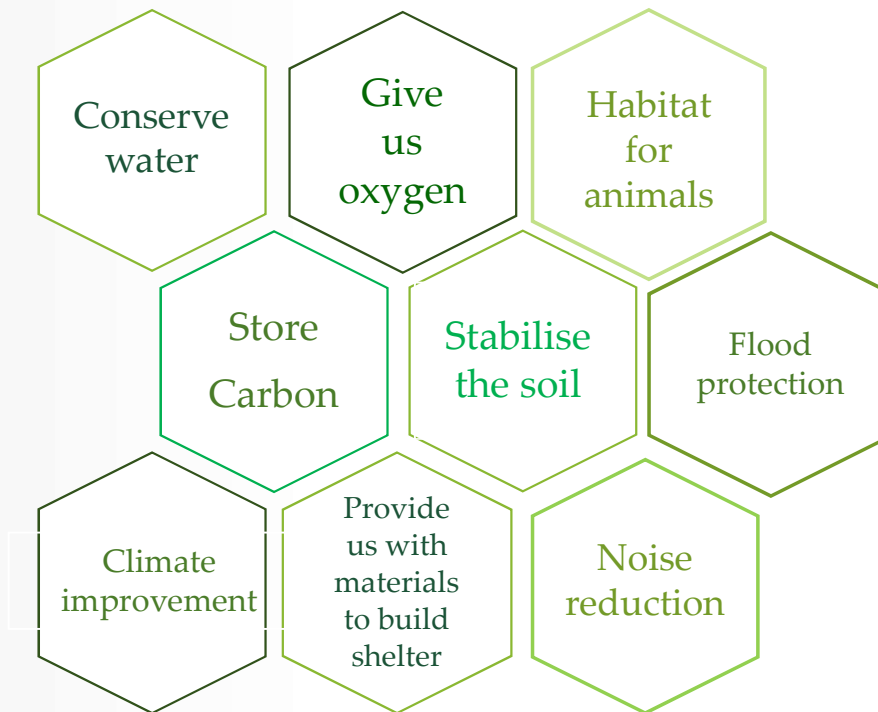
Valentina Vašková, CZ team



# Why are the trees so important?

- Life on Earth wouldn't be possible without trees

## WHAT DO TREES DO?



# Can humans survive without trees?

- No, because the air would be unsuitable for breathing
- Trees absorb carbon dioxide from the atmosphere and release oxygen using the process of photosynthesis
- Without trees, formerly forested areas would become drier and more prone to extreme droughts. When rain did come, flooding would be disastrous.



# 1. General Sherman (sequoia)

- Largest living tree (measured by volume)  
-> estimated trunk volume of 1,487 m<sup>3</sup>
- Circa 2,300 to 2,700 years old
- named after the American Civil War general William Sherman
- Located in Sequoia National Park, California





## 2. Methuselah (bristlecone pine)

- Oldest living tree  
-> at least 4,852 years old
- Inyo National Forest in California
- Its exact location is kept secret to protect it from destructive behavior



# 3. The Newton's tree (apple tree)

- It is said that **Isaac Newton** was sitting under this tree when he was bonked on the head by a falling piece of fruit, a 17th-century “aha moment” that prompted him to suddenly come up with his law of gravity
- The tree is still alive (400 years old)
- Located in Woolsthorpe Manor, UK



## 4. Tree of 40 Fruit

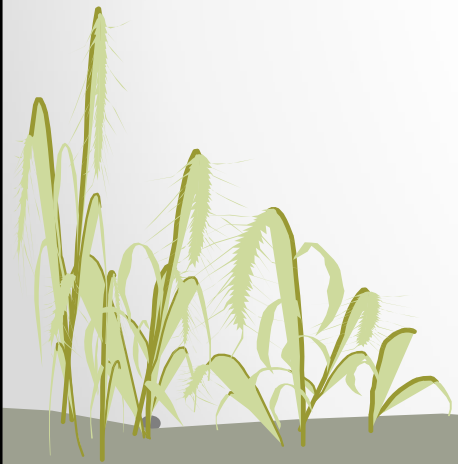
- A single tree that grows forty different types of fruit -for example peaches, plums, apricots, nectarines, cherries, almonds...)
- Created through the process of grafting  
**Grafting** = technique that joins two plants into one
- By the artist Sam Van Aken





# 5. Dragon blood tree

- So called due to the red fluid that the trees produce
- Grows in Yemen





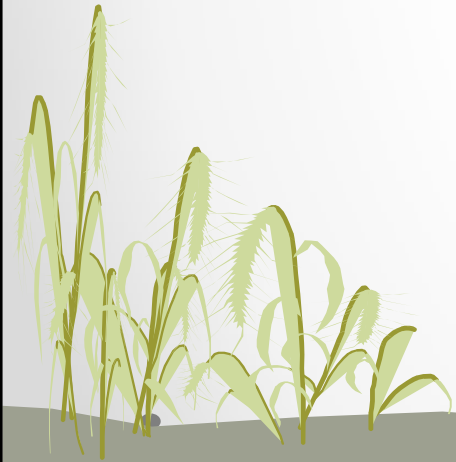
## 6. Traveller's tree

- It has been given this name because the stems hold rainwater, which could be used as an emergency drinking supply for needy travelers
- Originally from Madagascar



# 7. Rainbow eucalyptus

- The colors arise from the random timing with which the bark peels off - **eucalyptus** trees shed thin layers of bark throughout their lifetimes
- Native to the Philippines and Indonesia

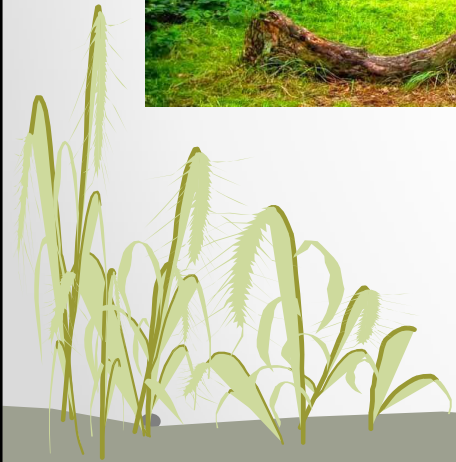




## 8. The crooked forest



- West Pomerania, Poland
- circa 400 pine trees
- Planted in the 1939
- Still a huge mystery why do they grow like that





## 9. Dead Vlei trees

- Dead Vlei, Namibia
- 900 years ago the climate dried up and dunes cut off Dead Vlei from a river
- It became too dry in Dead Vlei for the trees to even decompose



# 10. The upside down forest

- Lake Kaindy, Kazakhstan
- An earthquake in 1911 created a natural dam that slowly started to fill with rainwater over the years
- The trees that were damaged during the earthquake submerged in the water once the dam started to fill



The end 😊

