

# Nature-based solutions in Stockholm

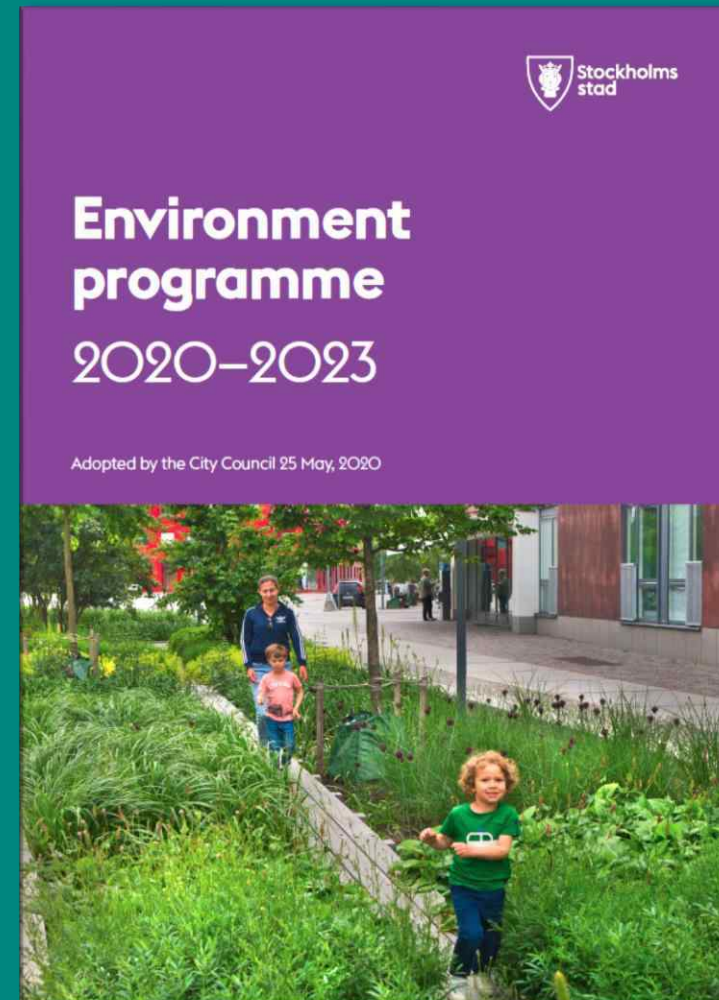


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# 5. A Stockholm with biodiversity in well-functioning and cohesive ecosystems

- *Maintained functions and connections* for biodiversity in the city's blue and green infrastructure
- Increased implementation of *reinforcement measures*, ecological compensation and conservation
- Increased proportion of food and goods that promote biodiversity in *City purchasing*
- Improved *water quality* in the City's lakes, waterways and coastal waters



# Stockholm Biodiversity Action plan, 2020

- Better conditions for long-term protection and development of the city's biological diversity
- Adopted by the City Council on November 30th, 2020
- Strengthens the long-standing work with nature conservation and biodiversity





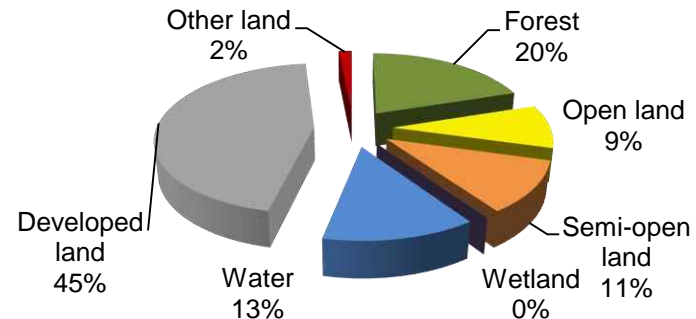
# "Stockholm – the Green Capital"



**Stockholm is part of a regional green structure composed by "green wedges"**



## Distribution of land and water 2009



*The city's total area is 22 000 hectares. Ref: Database of biotopes in Stockholm. 2009.*

# Pay attention to biodiversity in the city's processes

- City planning and development
- Investments in green spaces
- Management of nature
- Measures for water quality
- Monitoring of biodiversity
- Supervision of protected areas
- The city's purchase of food and other products



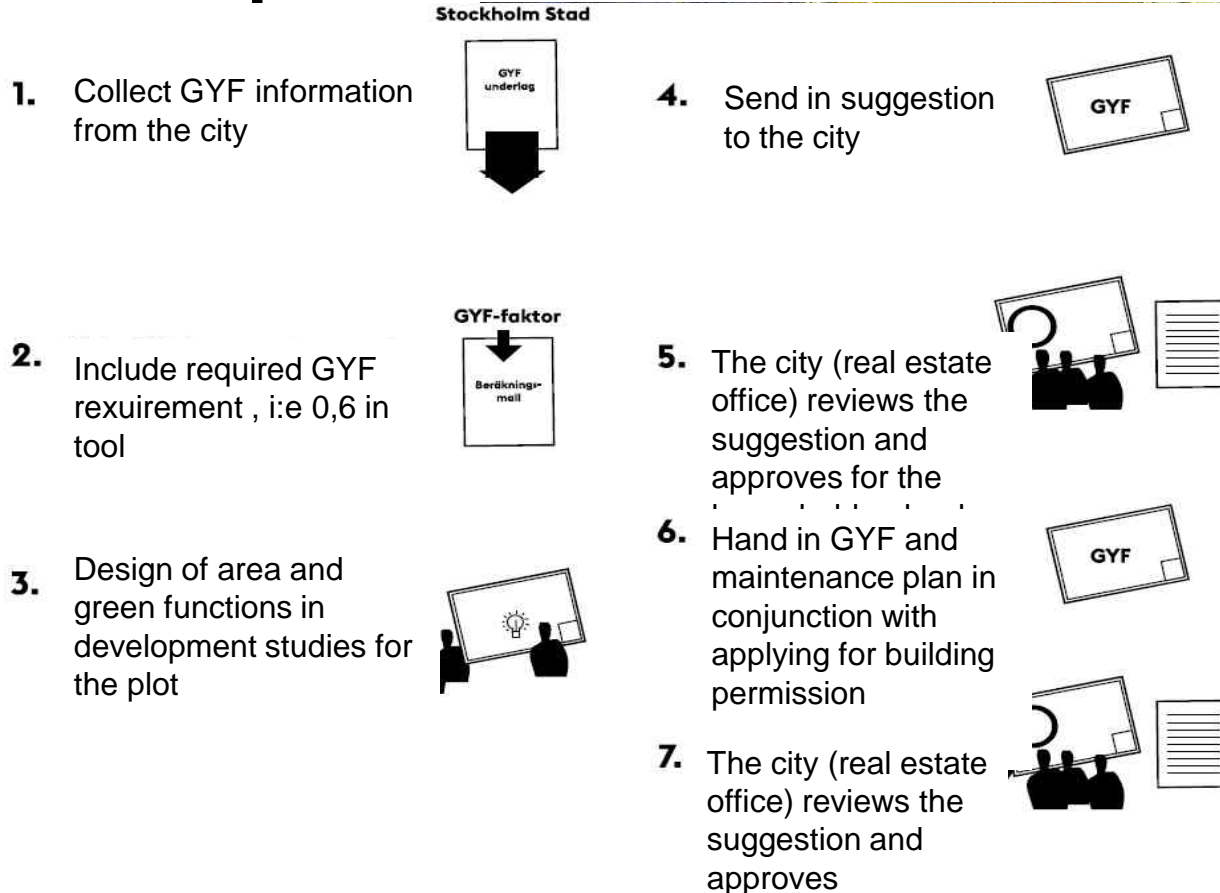


# Example 1: Eco-connectivity in land-use planning



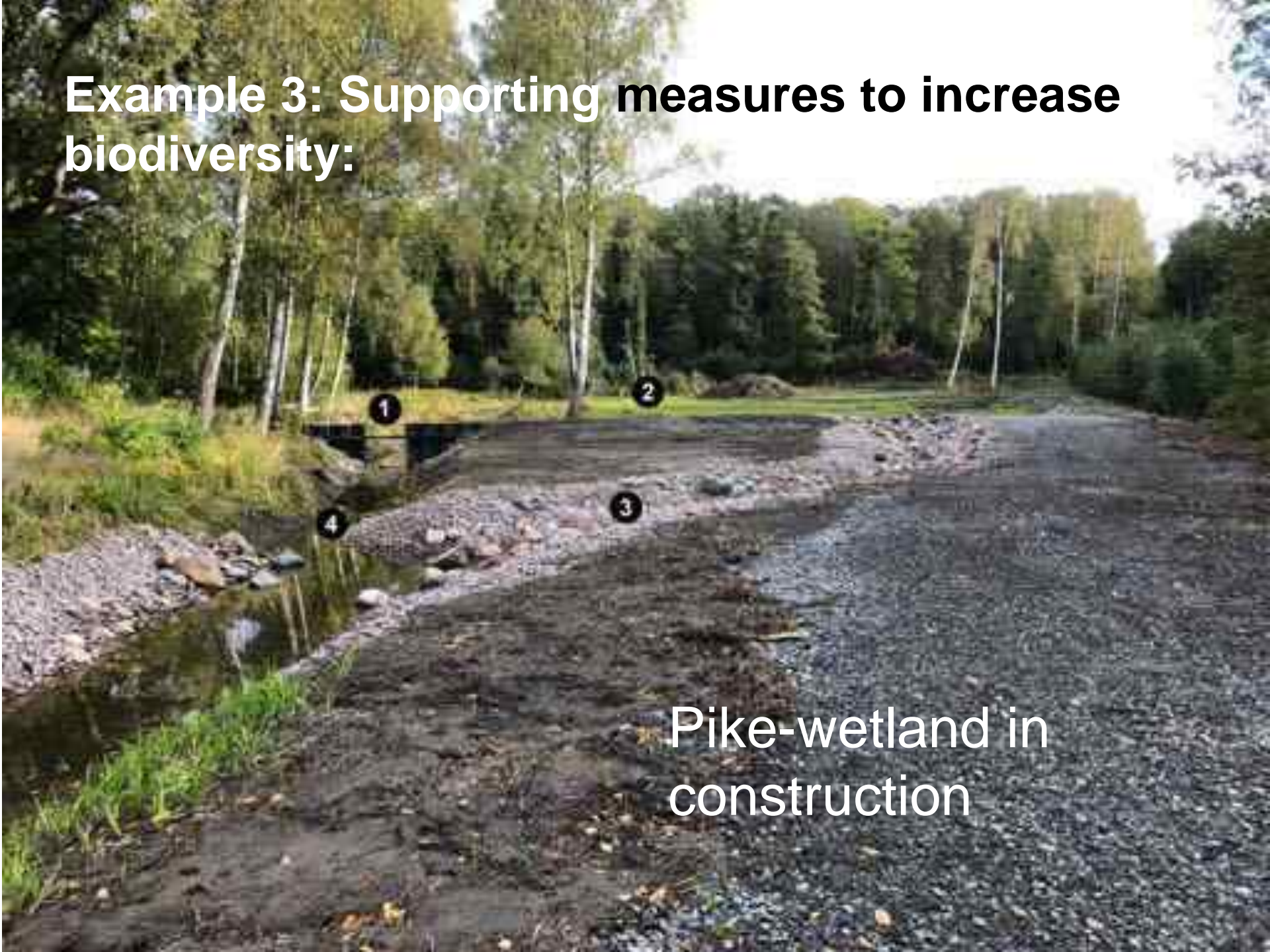


# Example 2: Green-area factor required for development of land





# Example 3: Supporting measures to increase biodiversity:



Pike-wetland in  
construction



# Example 4: Maintaining habitats

***Before***



***After***



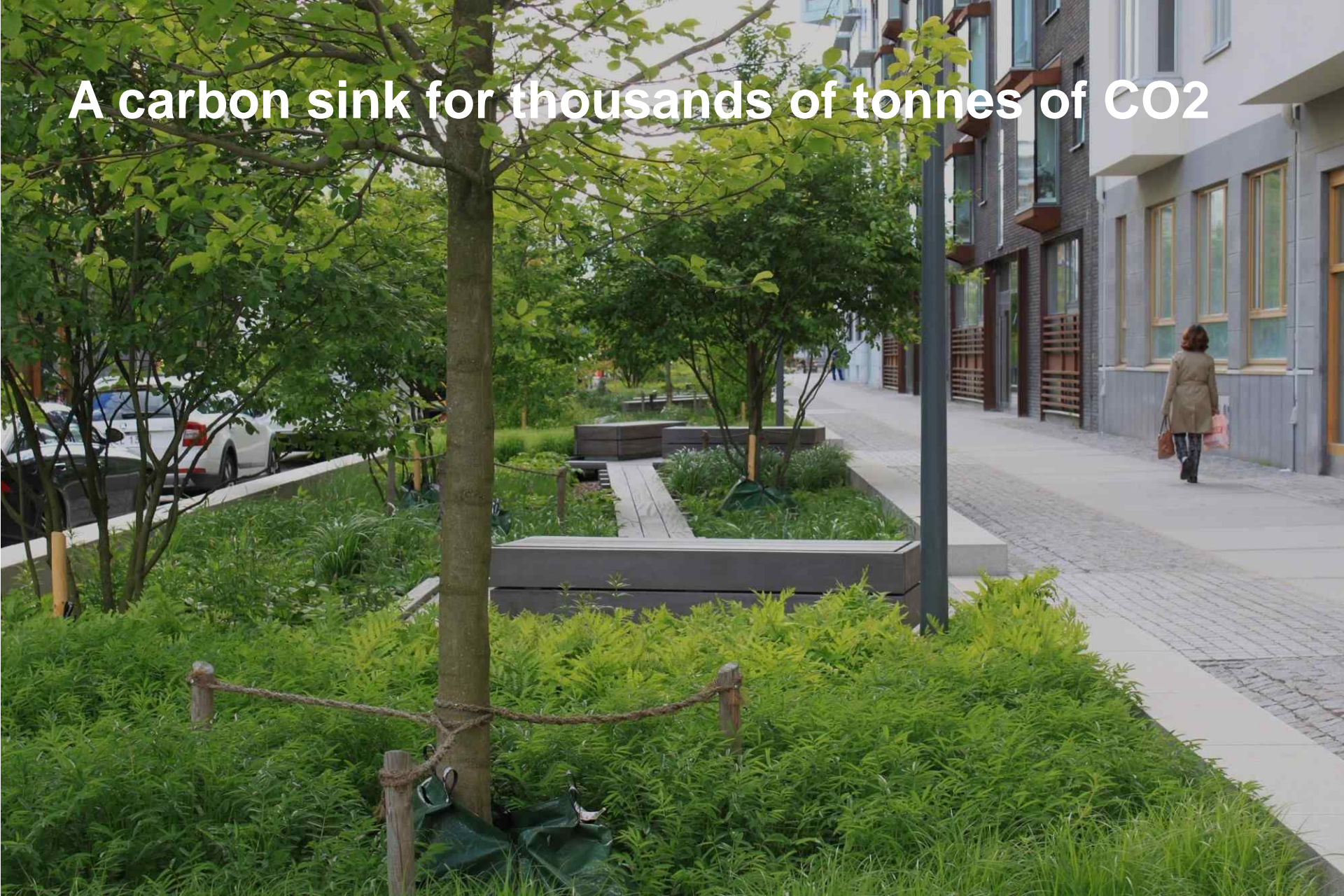


**Storm-water runoff reduced by 70 %**



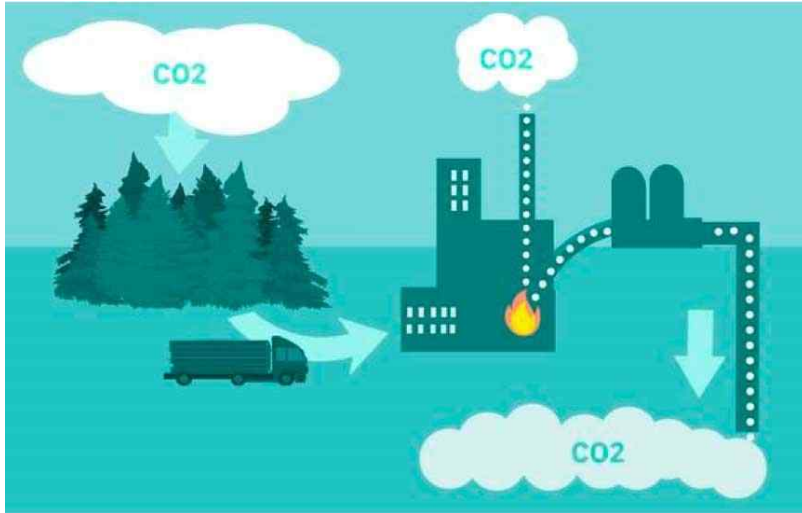


**A carbon sink for thousands of tonnes of CO<sub>2</sub>**



# Other nature-based solutions:

BECCS= BioEnergy Carbon  
Capture and Storage



BIOCHAR= BIOCHARcoal





