#### **WHAT IS IT?**

A forest ecosystem is a natural woodland unit consisting of

**ALL PLANTS, ANIMALS AND MICROORGANISMS** IN THAT AREA, FUNCTIONING TOGETHER WITH ALL OF THE NON-LIVING, PHYSICAL FACTORS OF THE ENVIRONMENT

FORESTS COVER 31% LAND AREA



# 1.6 bn livelihoods

We depend on forests for our survival - from the air we breathe to the wood we use. HEALTHY FORESTS SUPPORT THE LIVELIHOODS OF 1.6 BILLION PEOPLE GLOBALLY

1 billion of whom are among the world's poorest.

There are three types of forests:

**TEMPERATE** 

TROPICAL

BOREAL

More than half of the world's forests are found in only five countries -



#### **WHY IS IT IMPORTANT?**

**NATURAL DEFENCE AGAINST CLIMATE CHANGE** Forests are major contributors to the Earth's ability to maintain its climate



**PREVENT TOPSOIL EROSION** by reducing the force of

rainfall on the surface of soil

and by absorbing water



PRODUCTS THAT MODERN **SOCIETY DEPENDS ON** 

such as wood, paper, gum, bamboo and a number of medicinal plants all originate from forest ecosystems



by collecting and storing

water and recharging

underground aquifers

**GREATER RANGE OF BIODIVERSITY** 

THAN ANY OTHER ECOSYSTEM ON EARTH A single massive tree in the Amazon rainforest can be home for thousands of species

**HOW IS IT DEGRADED?** 

## **DEFORESTATION & DEGRADATION**

are the biggest threats to forests worldwide

**DRIVERS OF DEFORESTATION** 

Conversion to agriculture, urban infrastructure expansion & mining, among others







Deforestation occurs when forests are converted to non-forest uses, such as agriculture and road

construction.

Degradation occurs when forest ecosystems lose their capacity to provide important goods and services to people and nature.





Overharvesting of forest products such as timber logging, fuel wood & charcoal, uncontrolled fires, overgrazing

**DRIVERS OF DEGRADATION** 





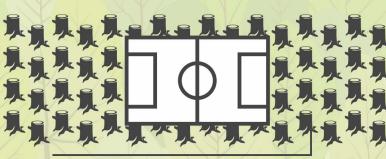


## **HOW BAD IS THE SITUATION?**



About

of the world's forests are at high risk for deforestation or degradation by 2030



hectares of forests are lost every year. That's one football pitch every three seconds

## WHAT CAN BE DONE TO RESTORE THEM?

Forest Landscape Restoration (FLR) can help countries reverse the effects of deforestation and degradation and regain the ecological, social, climatic and economic benefits of forests. FLR is a composite of multiple activities.









## **PLANTING TREES**

An important part of forest restoration, efforts need to be taken to plant healthy seedlings of native tree species

## **IMPROVING SOILS**

Adding organic matter to the soil can radically change a forest and support restored forest health

MANAGING LAND SUSTAINABLY **Promoting agroforestry** - a farming

cultivation and conservation of trees

among crops or pastureland for more

technique that incorporates the

## **PROTECTING WILDLIFE CORRIDORS**

Cresting corridors can allow animals to travel among forest fragments, significantly improving their chances of surviving, reproducing, and flourishing

**WHAT CAN MY ORGANIZATION DO?** 



**SCALE AWARENESS** programs, plantation

**CONDUCT LARGE** 

drives etc.



**MITIGATE** impacts of its activities

across the value chain on forest ecosystems



#### **PARTNER** with non-profits working on forest

restoration





LEARN ABOUT FORESTS both local and global.

Plant native trees,

the more the better



Buy forest friendly (certified) products, such as RFA, FSC, RSPO etc.

/blog/forests/earth-day-2021-why-we-need-to-pledge-to-save-our-forests-76613 | https://treefoundation.org/10-things-you-can-do-to-save-forests/ | https://www.iucn.org/resources/issues-briefs/deforestation-



Sources: UNEP https://www.decadeonrestoration.org/types-ecosystem-restoration.org/types-ecosystem-restoration.org/types-ecosystem-andbiodiversity-1342815 | https://www.worldwildlife.org/stories/what-is-forest-degradation-and-why-is-it-bad-for-people-and-wildlife | https://www.worldwildlife.org/stories/what-is-forest-restoration-and-how-do-we-do-it-well | https://www.downtoearth.org.in