



PLANTING AIR



Inspired by the role that mosses, lichen and ferns play in detecting polluted air and that played by trees in purifying air.

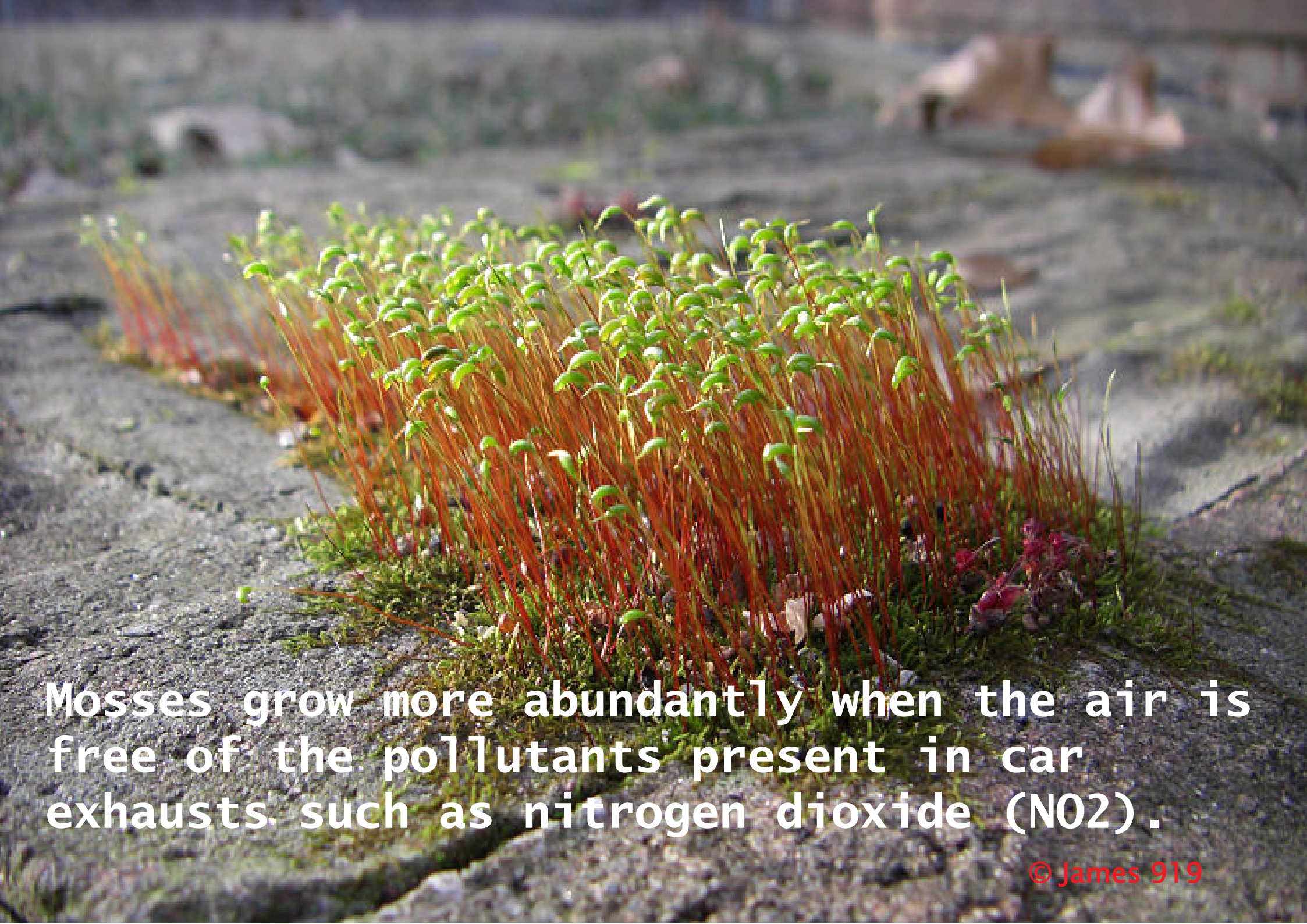
Some lichens only grow on tree bark when the air is free of sulphur dioxide (SO_2).

A photograph of a Hart's Tongue Fern (Platyneuronium dilatatum) growing on a dark, wet rock surface. The fern has several large, bright green, lanceolate leaves with prominent veins and wavy margins. The rock is covered in patches of moss and lichen, and the overall scene is dappled with sunlight and shadow.

Lorem ipsum

Hart's Tongue Fern grows best where the air does not contain microscopic particle matter (PM) produced by diesel engines.

© Rosser 1954



Mosses grow more abundantly when the air is free of the pollutants present in car exhausts such as nitrogen dioxide (NO₂).

Lorem ipsum

PLANTING AIR

A River of Flowers project inspired by the role that MOSSES, LICHEN AND FERNS play as bio-indicators of unhealthy air and that played by TREES in purifying it.

Moss Distraction

River of Flowers aims to display moss emojis typography signs created by moss artists such as Anna Garforth.

We will also locate places where lichen and ferns are growing around the city. We will photograph these over a period of 3-6 months.

River of Trees

Only a tree can both clean and cool air so they play a vital role in cities.

Our natural bio-indicator data can help to inform us where a 'river of trees' could be planted along a street to lower levels of pollution.

It can also inform us if pollution levels are being reduced by trees.



Grow by
Anna Garforth

Moss Hexagons by
Artisan Moss



To Tree or Not to Tree

The selection of trees for specific urban areas is very important.

Not all trees can cope with the urban landscape, and some are especially vulnerable to pollution.

Broad leaved trees with dense canopies should be always be underplanted with pollution-removing plants to avoid trapping unhealthy air under their foliage.

Pollinator Trees

Trees that thrive in urban spaces include Rowan and Crab Apple, which provide pollinators with forage and shelter.



Crab Apple Blossom
by Christian Bauer

Rowan Blossom by
H Zell



www.riverofflowers.org

ACKNOWLEDGEMENTS

Images

Wild Crab Apple Tree (*Malus sylvestris*) © John Mouncey

Tree Lungwort Lichen (*Lobaria pulmonaria*) © Bernd Haynold

Harts Tongue Fern (*Asplenium scolopendrium*) © Rosser1954

Winter Moss (*Polytrichum commune*) © James 919

Grow © Anna Garforth

Moss Hexagons © Artisan Moss

Wild Crab Apple Blossom © Christian Bauer

Rowan Blossom © H Zell

All images except those attributed to River of Flowers are thanks to **Wikipedia** and their authors.

Production

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