



IMPACT REPORT — 2021

Dr Akira Miyawaki

The Miyawaki method used to create SUGi Pocket Forests is based on the pioneering work of Japanese botanist and ecologist Professor Dr. Akira Miyawaki.

His 40 years of research has developed into the 'Miyawaki method' — an approach that prioritizes the natural development of forests using native species. Miyawaki forests can grow into mature, self-sustaining ecosystems in a short span of time. They act as an oasis for biodiversity, heal the environment in many direct ways and reconnect the local community to nature and the potential for natural healing.

Dr. Miyawaki educated people on planting in over 1,700 areas around the world, including over 1,400 sites in Japan. This has so far lead to the creation of over 3000 primary forests and the planting of over 40 million native trees worldwide.



The Miyawaki Method

The Miyawaki Method of afforestation allows for the rapid creation of urban pockets of forest.

Quick to establish and virtually maintenance free, the 100% natural and organic methods create a haven for urban biodiversity.

Proven in Japan and around the world, the Miyawaki method has a high success rate for tree survival, even in testing environments.



01: Soil Survey

02: Species Survey

03: Soil Engineering



04: Dense Plantation & Maintain Forest

05: Self-Sustaining Forest
(After two years)

06: Climax Forest Equivalent
to a 100-year-old Forest
(After Ten Years Plantation)

LOCATION:
Nippon Steel, Japan

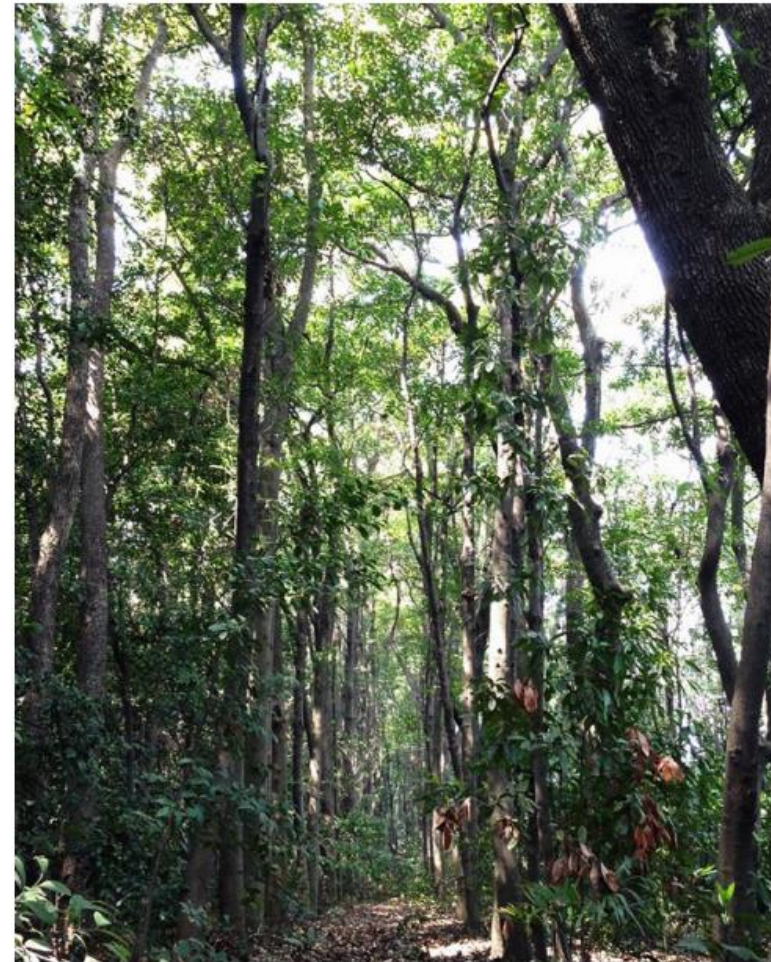
SIZE:
250,000 Sq m

FOREST AGE:
50 years — Planted 1970

NUMBER OF TREES:
800,000



Photography by Midarization Project



Inside 50 year Miyawaki Forest

LOCATION:
Yokohama National University, Japan

FOREST AGE:
40 years



Photography by Midorization Project

LOCATION:
Akishima, Japan

FOREST AGE:
31 Years

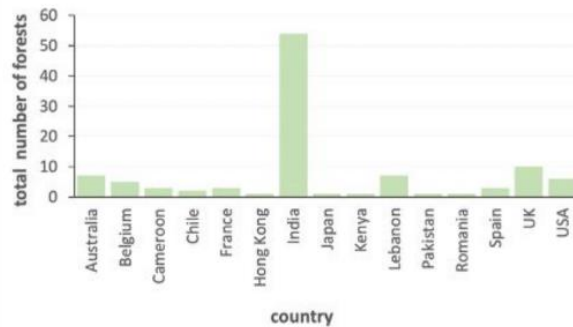


Our Impact — *Until Jan 2022*



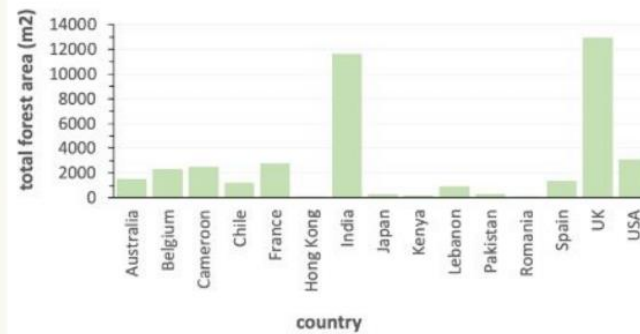
SUGi Pocket Forests facts

104 forests planted globally



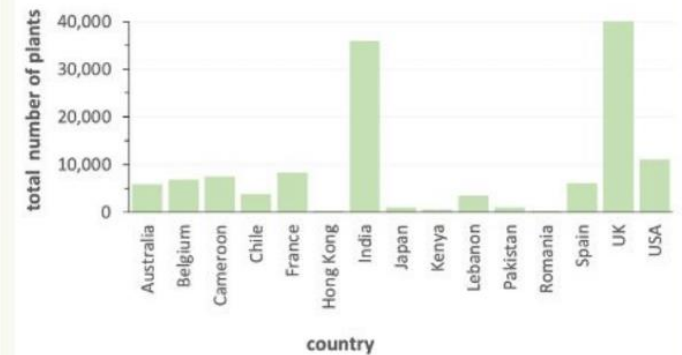
India leading the pack
with the school forests

41,219 m² of forest planted
(4.1 ha / 10.15 acres)



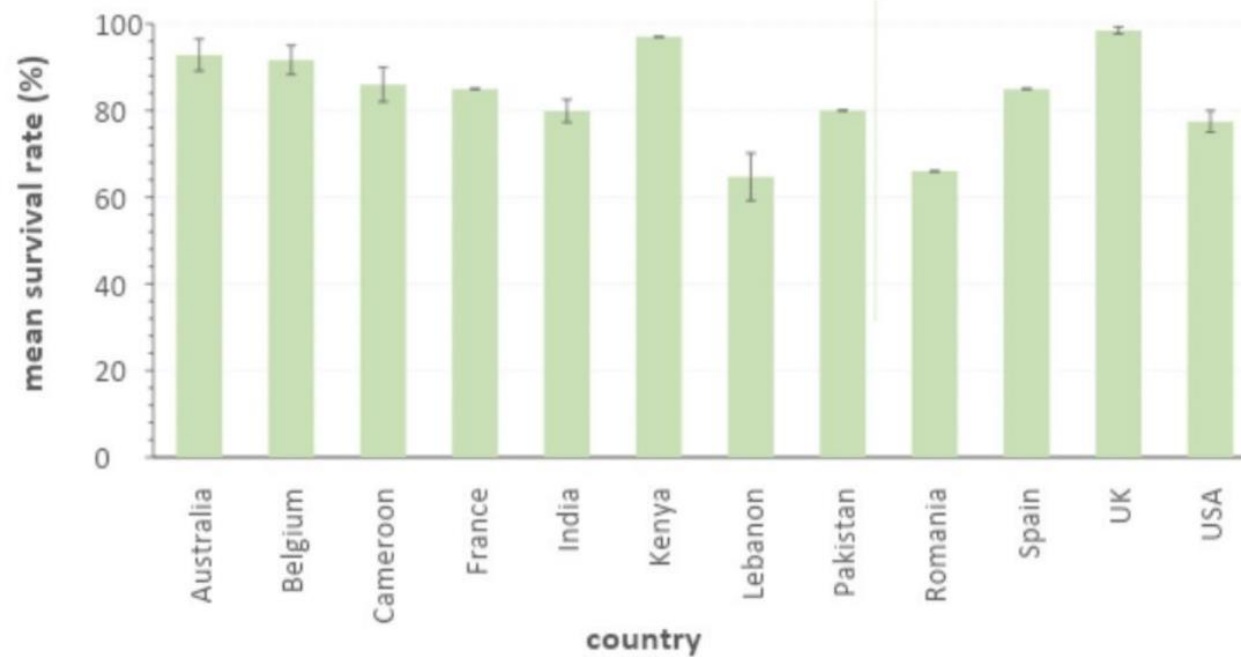
UK: 12,960 m²
India: 11,610 m²

132,882 plants in the ground!



UK: 40,290 plants
India: 35,000 plants
USA: 11,140 plants

Survival rate: overall **83%** ($1.86 \pm \text{SE}$)

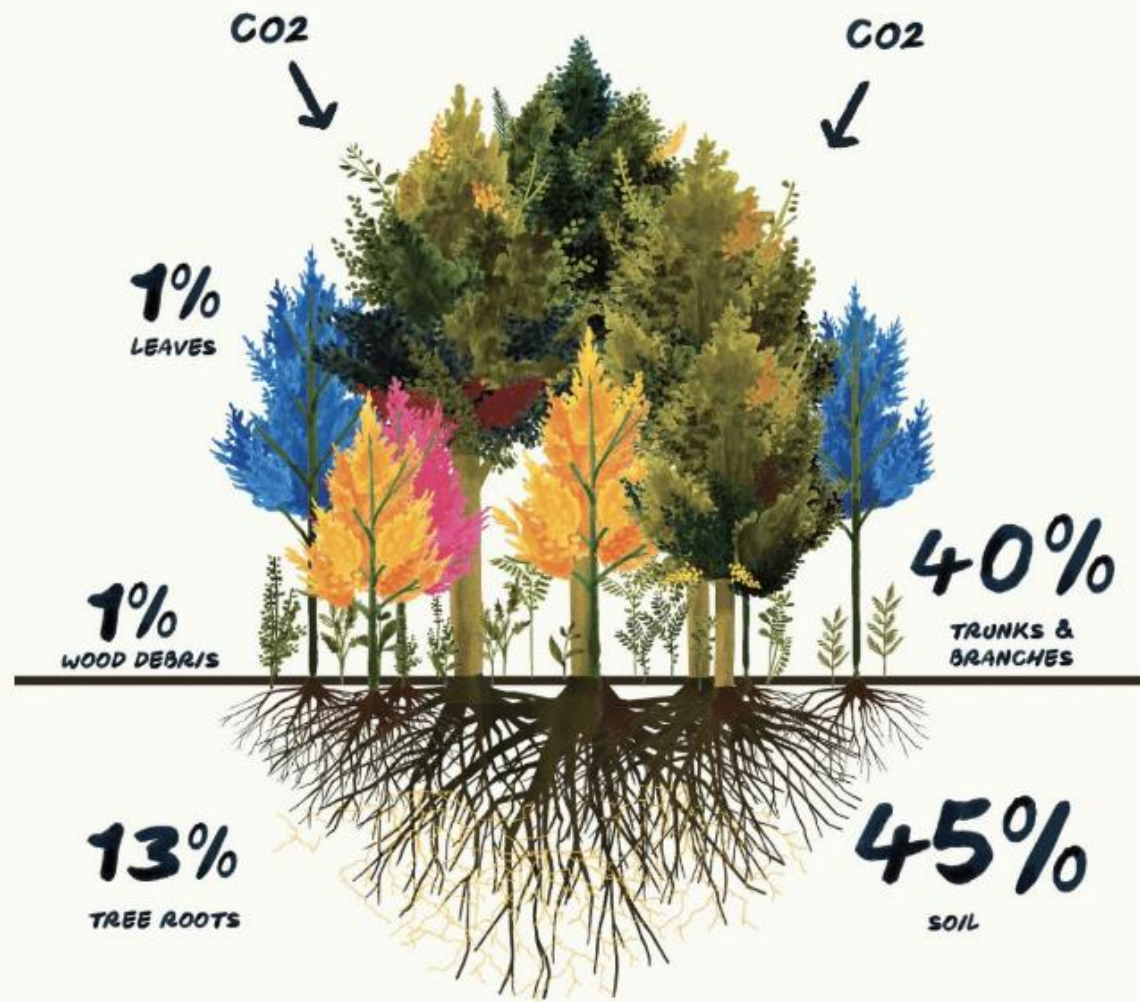


- Survival range: 33% to 99.5%

N = 47 forests

SUGi forest survival rate (%) compared with traditional reforestation

| Forest type | Survival (%) | Reference |
|--|---|--|
| SUGi Miyawaki forests, global | 83% (range 33% to 99.5%) | SUGi Impact report |
| Agroforestry, Rwanda | 30 to 65% | Murezi et al. 2013 |
| Riparian vegetation reforestation, USA | 56.4% | Keeton, 2008 |
| Dry tropical forest restoration, Ecuador | 70% after 3 years 55% after 10 years | Horstman et al. 2018 |
| Tropical dry forest restoration, Mexico | 2-60% | Álvarez-Aquino and Williams-Linera, 2012 |
| Tree plantation, China | 30% | Wang et al. 2007 |







Paul Joly Forest, 24,400 Sq m, 7,200 Trees



“People love these forests on many levels. Planting trees brings the community together. People love learning about the functioning of forest ecosystems. They are proud to participate and to be part of the solution. They realize how beautiful these forests quickly become and how a positive impact it has on their well-being. Miyawaki forests inspire, they bring hope, they make the neighborhood much better and they positively transform our relation to nature. Miyawaki forests are making a real difference !”

Nicolas de Brabandère

— SUGi Forest Maker,
Founder, Urban Forests Belgium

“With the right attention we can nurture a barren space to become a model of natural diversity and abundance. The way we treat the life around us is a reflection of ourselves. For the long term well-being of our planet and ensuring healthy communities we need to care for life in the soil, and enliven the return of nature’s bounty.”

Ethan Bryson

— SUGi Forest Maker,
Founder Natural Urban Forests

“To truly understand and learn about the brilliance and magic of Nature we need to slow down, look, touch, smell and feel the earth beneath us. SUGi is a conduit for exactly this. With every planting, SUGi works as Nature does by unlocking resilience, wisdom, community and a deeper connection back to the rhythm of an interconnected system. It’s no surprise then, that the SUGi model has mastered the perfect recipe for sustaining and nourishing the inner and outer Nature we all so desperately crave and need“

David de Rothschild

— SUGi Partner & Rewilding Architect
Adventurer, Ecologist & Environmentalist

“Forests hold magic. The word conjures up something majestic, imperial, wise, gentle, and healing; but perhaps also the intangible and out of reach. SUGi bridges this gap by bringing the magic of forests to the urban environment. Whether at school or along the road, SUGi ensures that you are part of the forest and the forest is part of you.”

James Godfrey-Faussett

— SUGi Lead Forest Maker

“Your projects truly make an impact. The SUGi team’s work is vitally important to our planet and we look forward to continuing our collaboration.”

George Kern

— CEO Breitling

“We planted a forest
so that the world could
be a better place”

Student

— Oakwood Primary School in Glasgow

“The soil dreams of
being a forest”

Magdalena Valdés

— SUGi Forest Maker
Founder, Bosko Chile



www.sugi-project.com