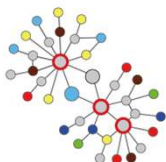


Sunlit Seedlings

Company Profile

Design sustainable global ecosystems

with biodiversity science



**SUSTAINABLE
DEVELOPMENT
GOALS**



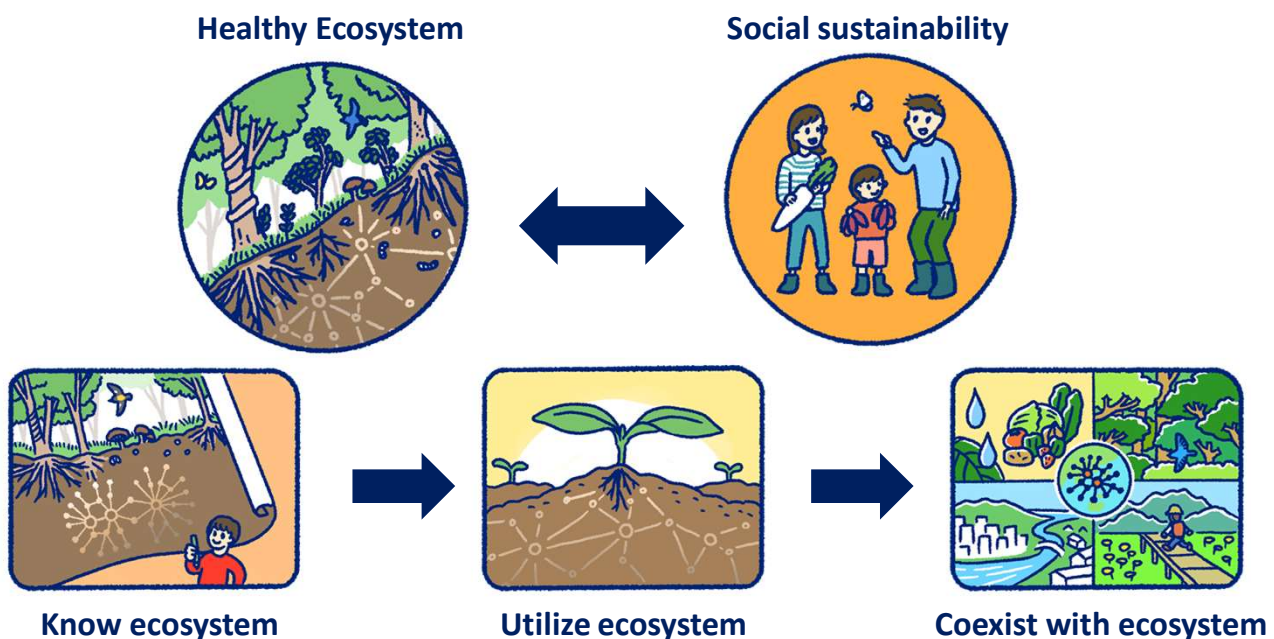
Sunlit Seedlings supports the Sustainable Development Goals (SDGs)

Company Profile

Sunlit Seedlings Ltd. is a Japanese startup company founded in 2020. It was founded on the basis of founder Hirokazu Toju's research results at Kyoto University's Center for Ecological Research. Through research and development that integrates multiple scientific fields, we will provide new technological seeds for recycling-oriented agriculture, forestry, fisheries, and the restoration of natural ecosystems. We will pave the way to a sustainable future society.

Our Vision

We will design the Earth's future with biodiversity science. We will provide ways to create social and economic profit from rich biodiversity and healthy ecosystems, and thus create a future in which nature and human society are in complementary relationship.



Our Challenge

Create and use ecological blueprints.

Ecosystem Regeneration

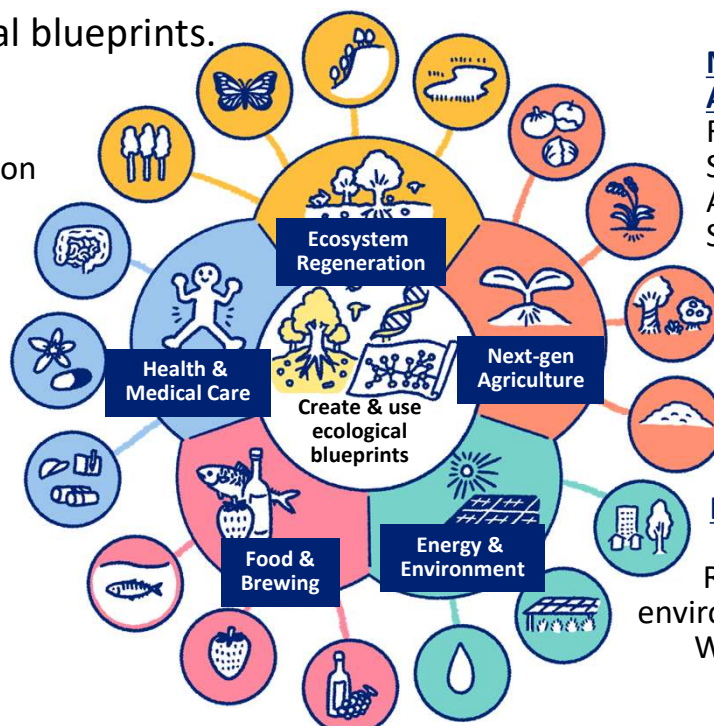
Abandoned forest restoration
Biodiversity strategies
Greening of wasteland
Wetland restoration

Health & Medical Care

Intestinal bacteria
Drug discovery
Field study

Food & Brewing

Aquaculture
Crops
Fermented food



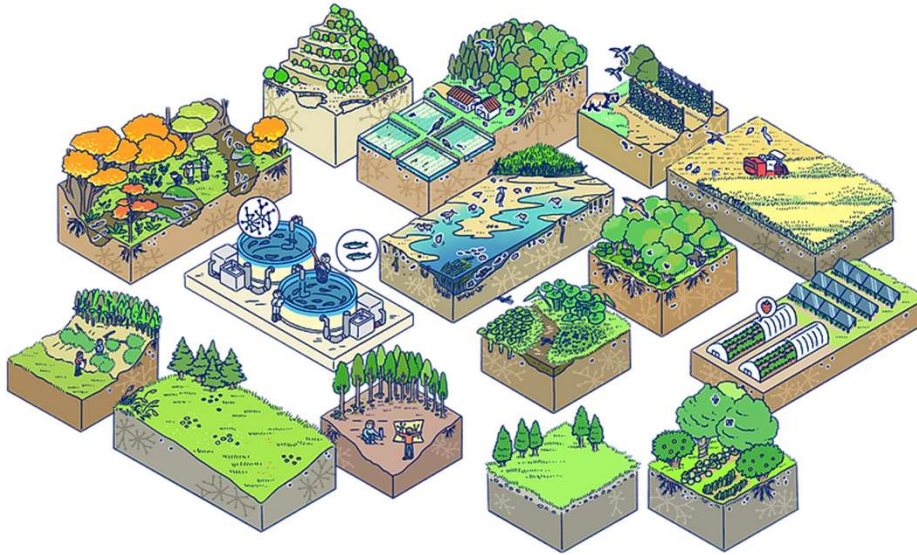
Next Generation Agriculture

Food diversity
Sustainable agriculture
Agroforestry
Soil improvement

Energy & Environment

Green infrastructure
Renewable energy with environmental conservation
Water purification using activated sludge

Design the Earth's future with biodiversity science.



Biodiversity crisis



1990~2022

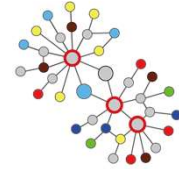
Present

~2030

Solution

Risk evaluation

Perception

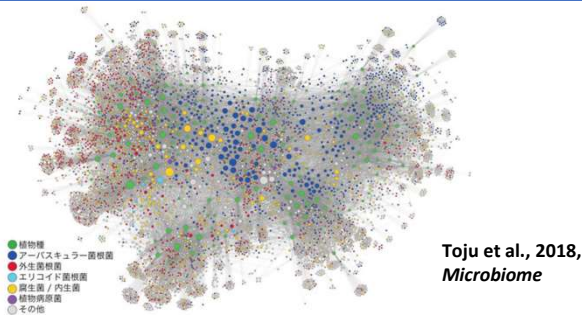


COP15 (2022)

Social recognition of biodiversity crisis

Core technology: Visualize ecosystems on the basis of large-scale DNA data.

Plant symbiotic microorganisms

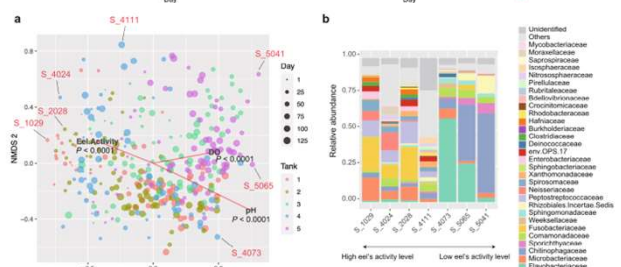
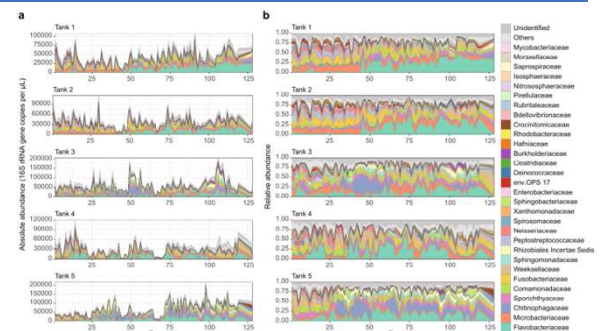


Visualizing a complex ecosystem with a "network of relationships"

Discovering microorganisms that underlie key ecosystem functions, as the "core microbiome"

"Future prediction" of diversity, structure, function, and dynamics

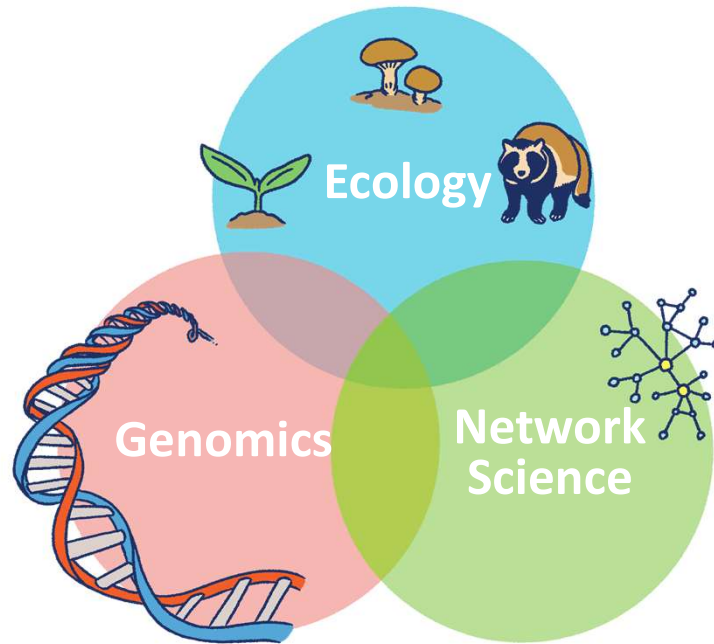
Aquatic biomes



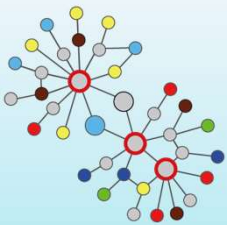
Yajima et al., 2023 *Microbiome*

Core technology: Integrating multiple scientific disciplines

Ecology, Genomics and Network science



Contact Us



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