Gyaros Terraforming Plan (10-Year Timeline)

Terraforming Gyaros Island: A 10-Year Plan to Go Green

Year 1: Survey & Soil Preparation

- Environmental assessments: soil, climate, flora, fauna.
- Water source analysis: rainfall, groundwater, evaporation.
- Soil remediation with compost, biochar, microbes.
- Install fog nets and dew collectors.

Year 2: Water Infrastructure & Pilot Planting

- Build swales, terraces, and check dams.
- Construct cisterns and ponds.
- Launch native plant nursery.
- Install solar-powered drip irrigation.

Year 3: Pioneer Tree Planting

- Introduce acacia, mesquite, tamarisk.
- Coastal windbreaks with tamarisk and cypress.
- Expand mulching for water retention.

Year 4: Ground Cover & Pollinator Support

- Sow clover, vetch, native grasses.
- Establish pollinator gardens.
- Create habitats for bees, birds, and insects.

Year 5: Forest Expansion

- Food and habitat forests: fig, almond, pomegranate.

- Passive rewilding zones.

- Promote fungi and forest floor diversity.

Year 6: Sustainable Agroecology

- Rotational grazing with sheep/goats.

- Agroforestry: intercropped trees and herbs.

- Composting and beekeeping programs.

Year 7: Wetland Microhabitats

- Construct wetlands using greywater.

- Add aquatic plants and amphibians.

- Drip-fed garden beds for vegetables.

Year 8: Eco-Village & Research Base

- Low-impact, solar-powered housing.

- Education and permaculture programs.

- Eco-tourism and volunteer projects.

Year 9: Monitoring & Rebalancing

- Soil, water, and biodiversity checks.

- Adjust planting strategies.

- Expand regeneration zones.

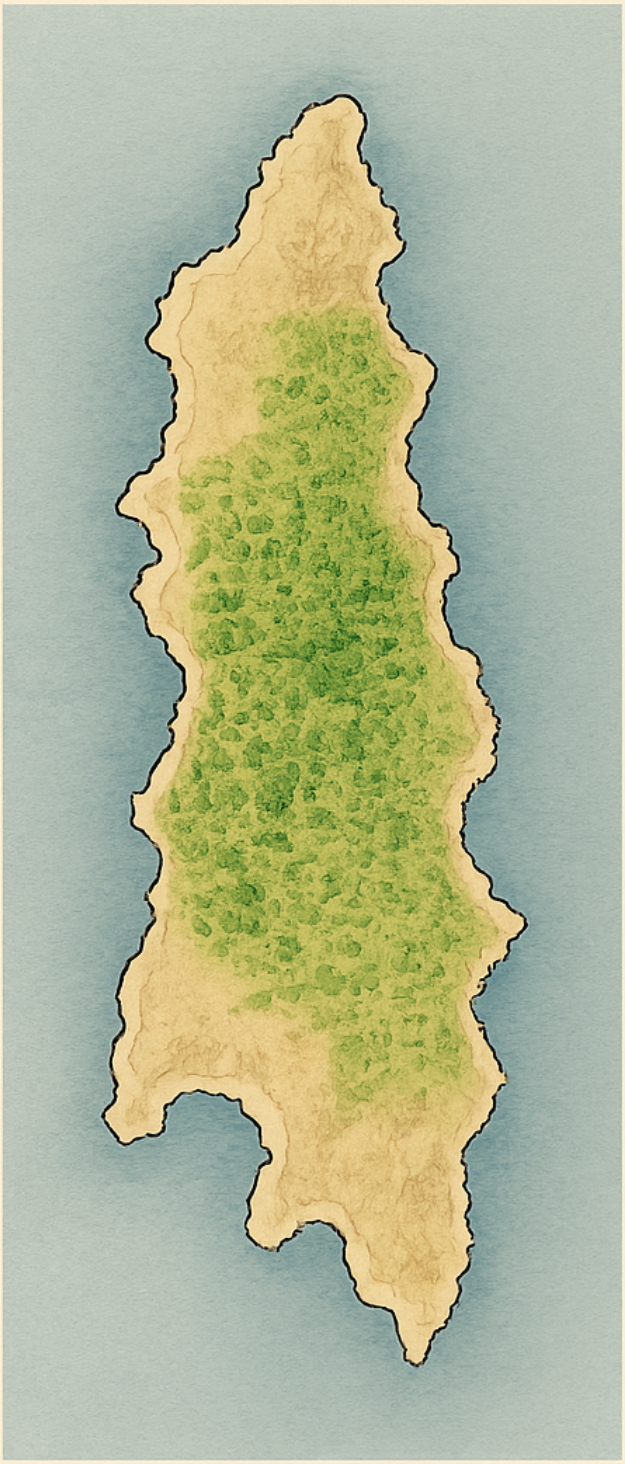
Year 10: Fully Green Gyaros

- Maintain food forests and wildlife zones.

- Support native species diversity.

- Apply for protected status.

TERRAFORMING GYAROS ISLAND:
A 10-YEAR PLAN TO GO GREEN



Year 1: Water Infrastructure & Pilot Planting

1. Build swales, terraces, and check dams to retain rainwater.
2. Construct-cisterns ana d small ponds for water storage.
3. Launch a native plant nursery with hardy species.
4. Install solar powered drip irrigation.

Year 3: Pioneer Tree Planting

1. Introduce pioneer trees(acacla, mesquite, tamarisk).
2. Plant coastal windbreaks using tamarisk and cypress.
3. Expand mulching to retain moisture and suppress erosion.

Year 4: Ground Cover & Pollinator Support

1. Sow cover crops (clover, vetch) and native grasses.
2. Establish pollinatior gardens (lavender, thyme, rosemary)
3. Create habitats for bees,birds, and beneficial insects.

Year 5: Forest Expansion

1. Begin planting food and habitat forests (fig, almond, pomegranate):
2. Designate rewiiding zones for passive ecosystem recovery.
3. Spread fungi and-decomposing matter to build healthy soll.

Year 7: Wetland Microahibtats

1. Build small constructed welands fed by greywater.
2. Add native aquatc plants and ambibians.
3. Develop-drip fed garden beds for diverse vegetables.

Year 8: Eco-Village & Research Base

1. Build low-impact housing with solar/wind power.
2. Launch environmental education and permaculture programs.
3. Trial eco-tourism and volunteer programs.

Year 10: Fully Green Gyaros