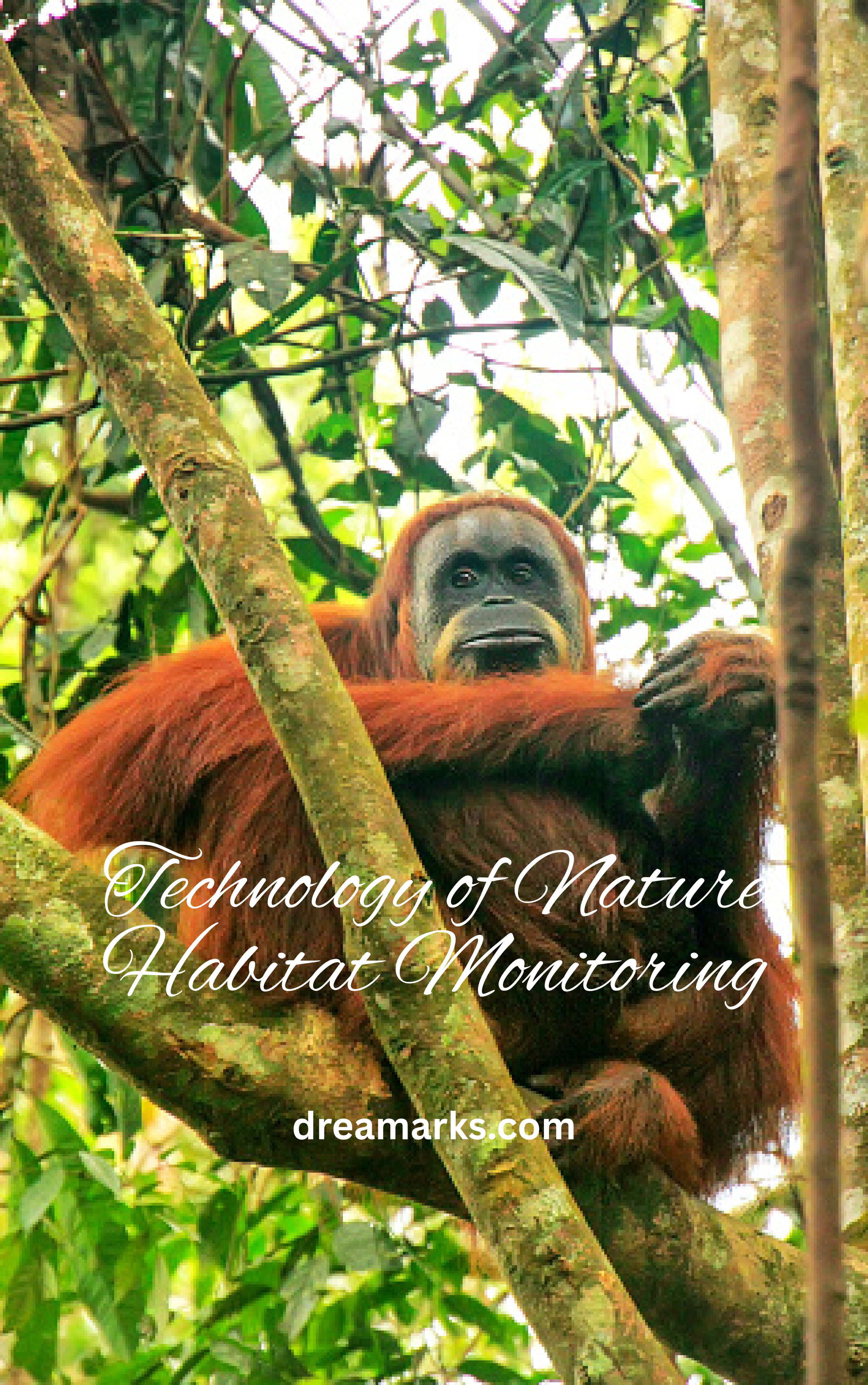




Technology of Nature Habitat Monitoring

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The Multi Resources for Disaster Relief Tools

Nature Habitat Monitoring Technology.

This include the monitoring of habitat on the side of life threat conditions severity that usually shown by the animals and the vegetation conditions before any disaster happens.

Flood, Landslide, and Drought should be prevented before it occurs.

Nature Habitat Monitoring Technology

This Technology encompasses a range of tools and methods used to assess and manage the health of ecosystems.

These technologies include:

- Satellite Imagery: Captures high-resolution images of landscapes, creating accurate habitat maps and pre-screening areas before on-site assessments.

Nature Habitat Monitoring Technology

- Aerial Imagery:
- Offers higher quality images than drones and satellites, with resolutions ranging from 5cm to 15cm, providing detailed insights into habitats.

Nature Habitat Monitoring Technology

- Environmental DNA (eDNA).
Analyzes tiny traces of genetic material from organisms, allowing for fast and efficient species identification without the need for extensive field surveys.

Nature Habitat Monitoring Technology

- Bioacoustics:

Utilizes acoustic sensors to record wildlife sounds, providing insights into animal activity and population density.

Nature Habitat Monitoring Technology

These technologies work in conjunction to provide a comprehensive view of ecosystems, ensuring conservation and policy decisions are based on accurate, high-confidence data. They are essential for filling in gaps in biodiversity monitoring and supporting nature recovery and large-scale conservation planning