

KKL- JNF: Innovating Sustainable Solutions



Innovating
Sustainable
Solutions



Established over 120 years ago, KKL-JNF was one of the world's first pioneers in the field of environment and sustainable development.

Today, with a staff of over 1,000 professionals in Israel, KKL-JNF is active in more than 55 countries throughout the world and works in close collaboration with a wide range of government agencies and NGOs. Mandated by the government, KKL-JNF acts as Israel's National Forest Service and Land Development Authority. In this capacity, it manages over 300,000 acres of planted forests, woodlands and open space resources while spearheading and implementing numerous national land development initiatives.

Areas of Research, Expertise & Collaboration:



Sustainable Forest Management

- Planted the largest forested area in the Mediterranean Middle East (240 million trees to date)
- Developed advanced SFM practices for semi-arid and arid regions, based on extensive experience and ongoing research
- Established a multi-layered forestry approach to encourage biodiversity and promoting ecosystem services
- Manages 300,000 acres of forests and protected areas
- 3 tree nurseries producing 1 million saplings annually
- Specializes in ecosystem / degraded land rehabilitation



Bolstering the National Water Economy

- Developed and implements cutting-edge biological water purification technologies
- Built over 230 reservoirs that supply 40% of Israel's agricultural irrigation water from treated wastewater facilities
- Integrated, watershed-based river restoration projects
- Developed and manages wetlands and winter ponds
- Dry land watershed management



Climate Change Solutions

- Currently building infrastructure for 5 research centers and laboratories
- Establishing International Climate Crisis Center
- Responsible for dryland afforestation: 16,000 hectares
- Participates in research studies on environment, forestry, ecology, aquatic environments, river restoration, sustainable agriculture, ornithology, and renewable energy



Sustainable Agriculture and Food Security

- Supports 8 Agricultural R&D stations, which develop groundbreaking technologies for local farming
- Promotes soil conservation, water use efficiency and reduced pesticide use
- Promotes international desert agriculture initiatives in developing countries
- Supports research on food security: 100 annual projects (groves, water, aquaculture, fish farming, animal husbandry, vegetables, and plant conservation).



Eco-tourism and Recreation

- Built and manages over 1,000 recreation sites
- Created thousands of forest, parks, walking trails, bicycle trails, wheelchair accessible paths and picnic grounds
- Operates dozens of innovative visitor centers
- Operates KKL-JNF Wings program: a network of birding sites
- Operates the Hula Lake Veterinary Clinic & Wildlife Acclimation Center