



# Green South

Environmental Plan for Development of the Tekuma Region

Ministry of Environmental Protection

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המשרד להגנת הסביבה



الوزارة لحماية البيئة  
Israel Ministry of Environmental Protection

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06.03.2024  
For Wexner Climate Summit

# Environmental plan for Development of the Tekuma Region

**Hazard-free  
environment**



**Zero landfilling  
of waste**



**Environmental  
planning**



**Rehabilitation  
of open spaces**



Asbestos roof hit by missiles  
near Magen



## Rehabilitation of severe hazards

Remediation of asbestos, hazardous substances and contaminated soil.

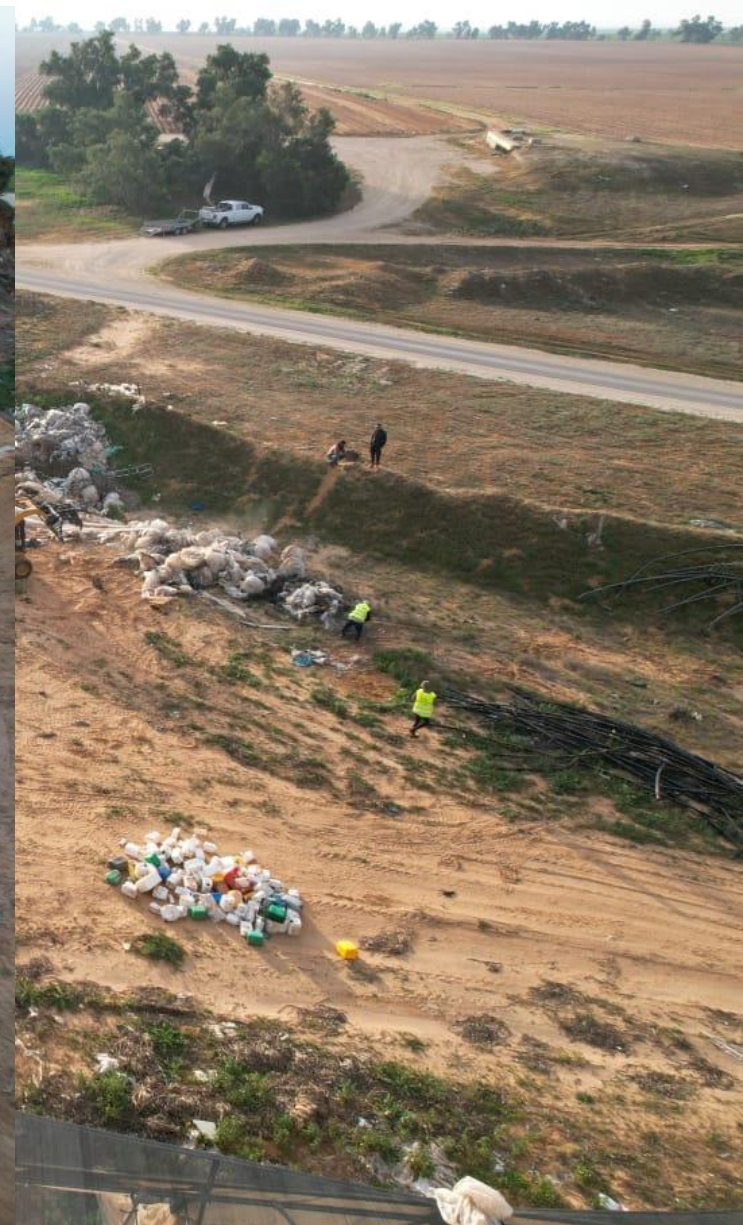
Replacement of asbestos roofs with solar roofs.



Military waste near Nirim

# Hazard-free Environment

## Removal of agricultural waste hazards



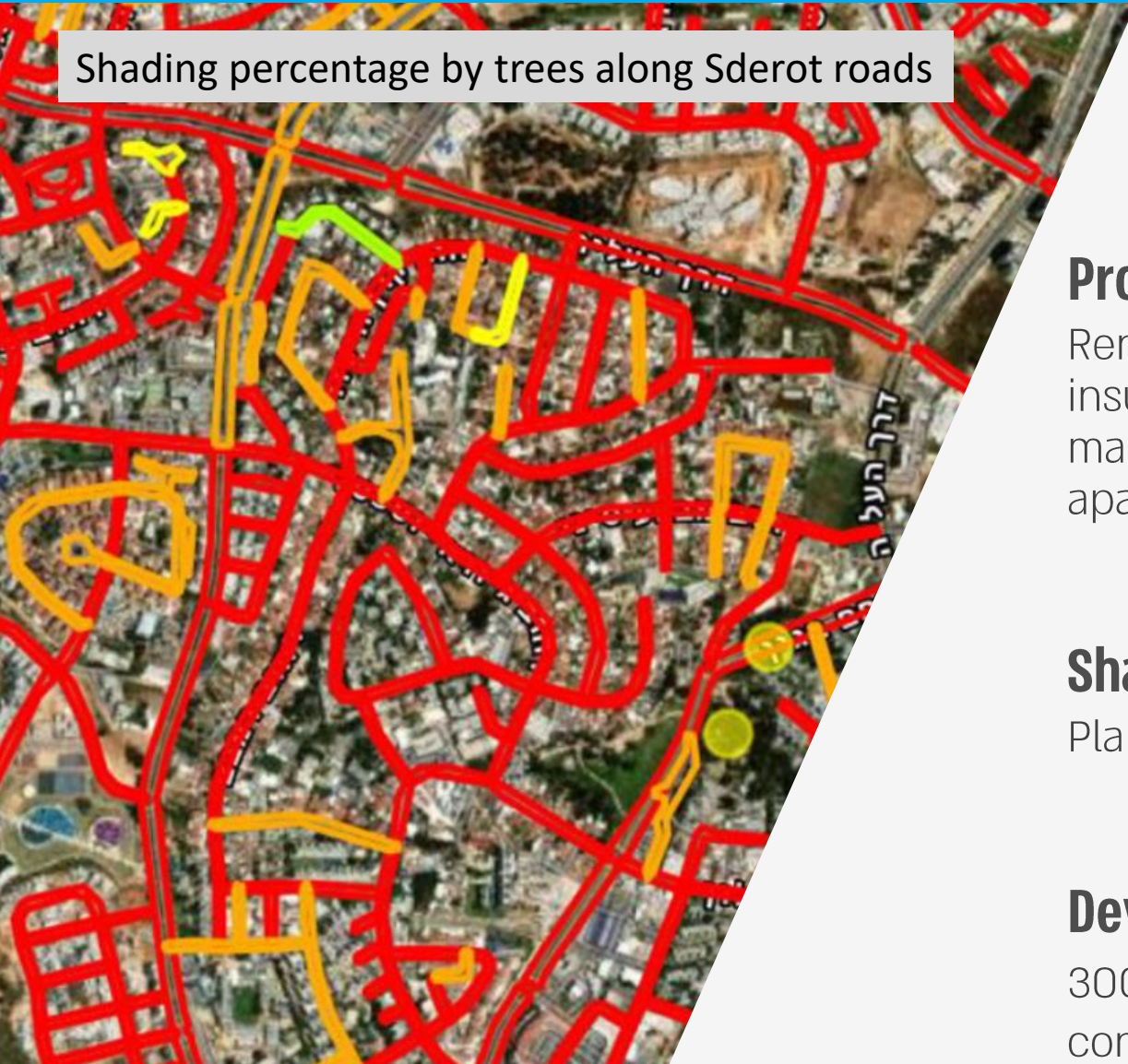


**Establishment of end facilities for the treatment of agricultural waste**

**Separation and treatment of agriculture waste**



Shading percentage by trees along Sderot roads



## Project renewal

Renovation and maintenance of courtyards, solar roofs, roof insulation, lighting arrangement, replacement of malfunctioning solar panels, community activities in 120 apartment block entrances.

## Shading

Planting of mature trees in the city's main streets.

## Development of an urban nature site

300 dunam park, stream paths, sustainability center, connection to Nahal Shikma Park.



# Protection of Open Spaces and Ecological Rehabilitation



Shokeda forest  
2015

**Ecological rehabilitation in open spaces**

**Connecting local communities to nature to build resilience**

**Nature based attractions for visitors**



Shokeda forest  
2024



# Renewable Energy

## Tkuma region

~ 1% of Israel population

Area: 660 km<sup>2</sup>

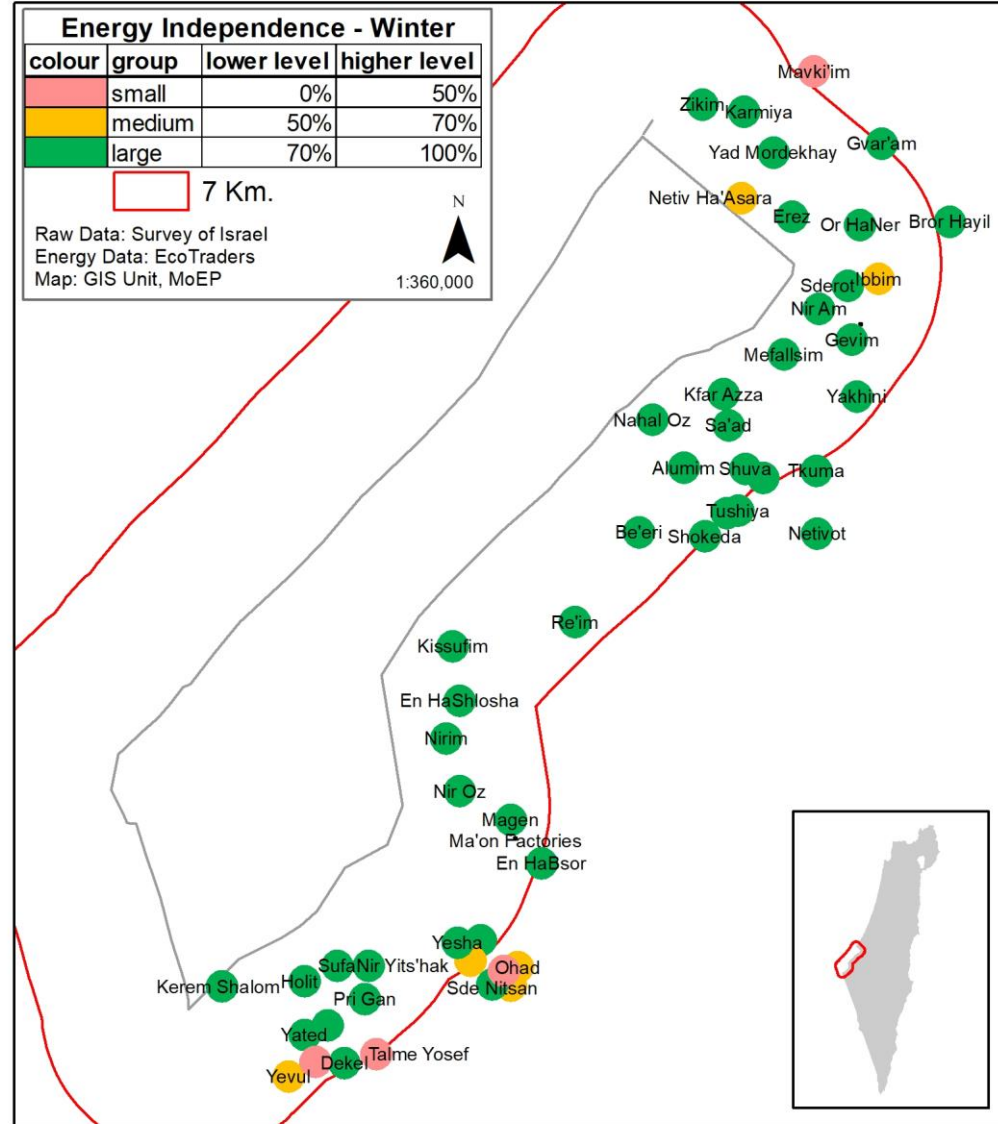
Agriculture Area: ~300km<sup>2</sup>

Annual electricity consumption: 485 GWh  
 (Equivalent to 280 MW)

Installed power: 860 MW (3 times more than  
 consumption)

National plan for renewable energy: **5 GW**  
 (requires 18% of agriculture area)

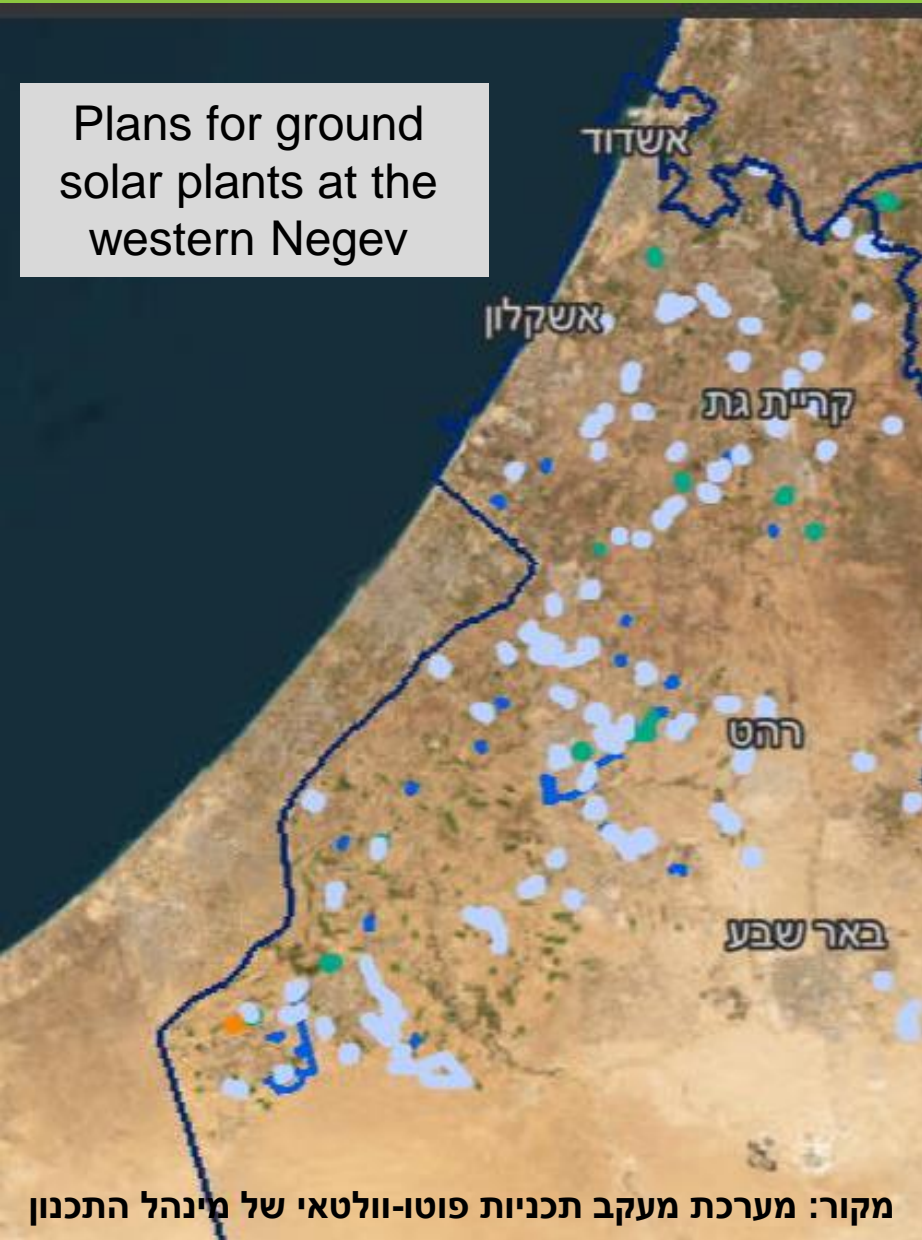
## Energy independence based on dual-usage



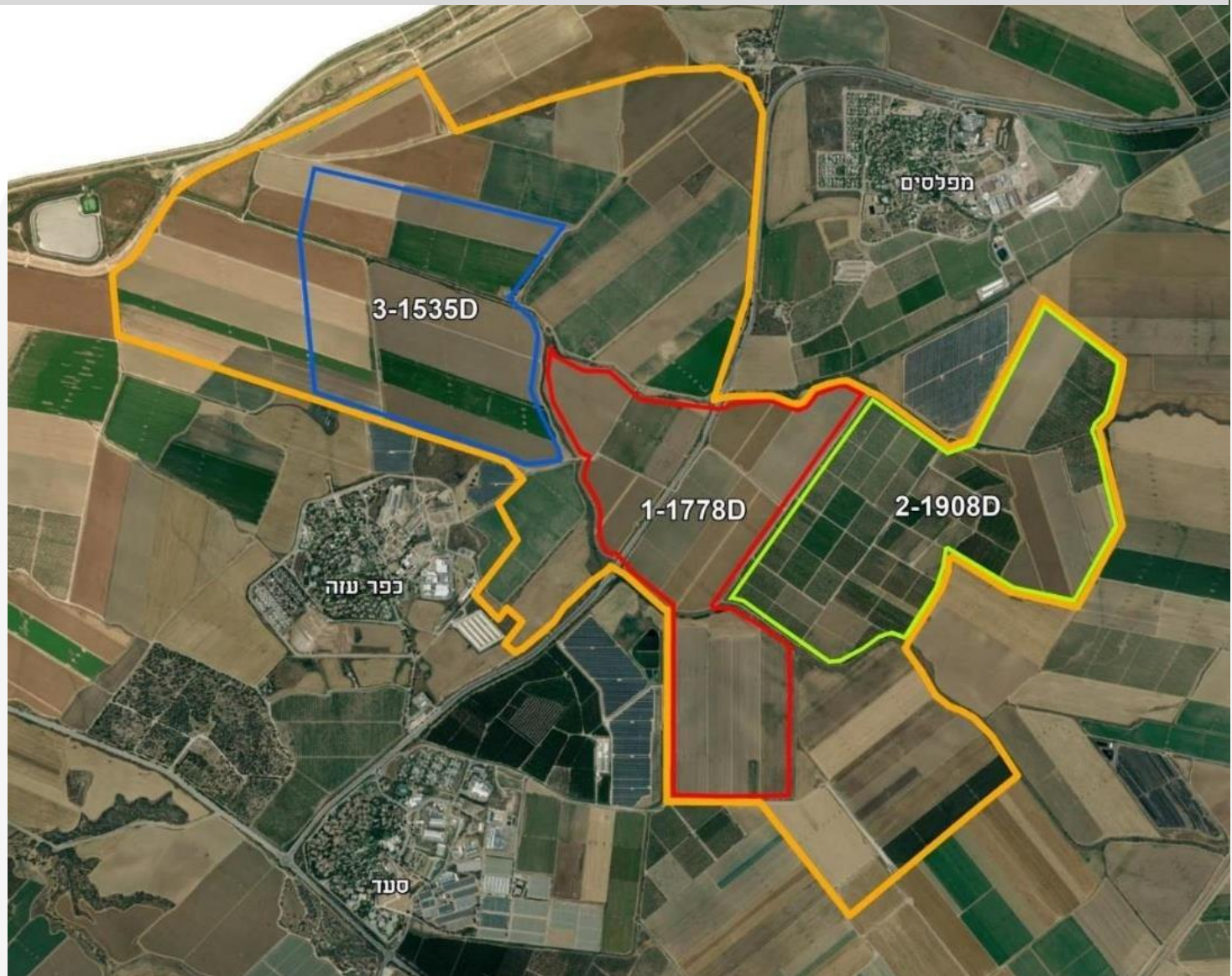


# Renewable Energy | Open Areas and Agriculture

Plans for ground solar plants at the western Negev



Sizes of ground based solar plants



מקור: מערכת מעקב תכניות פוטו-וולטאי של מינהל התכנון



**מקרא חלקי**

**שימושי מבנים ומכלולים**

- מסחר, לא מסווג, תעשייה, תחבורה
- מגורים
- חינוך, ממשלתי, תרבות, דת, רפואה, תיירות
- גנים ציבוריים
- רפת/לול
- מאגרי מים
- ספורט, בריכות שחיה
- בתי קברות
- חניונים
- לא במודל

**Nir Itzchak**  
**Rooftop potential: 8,000 kW**  
**Extra Roofing potential: 2,000 kW**  
**Current production: 17%**

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**THANK YOU**