



Presented by  
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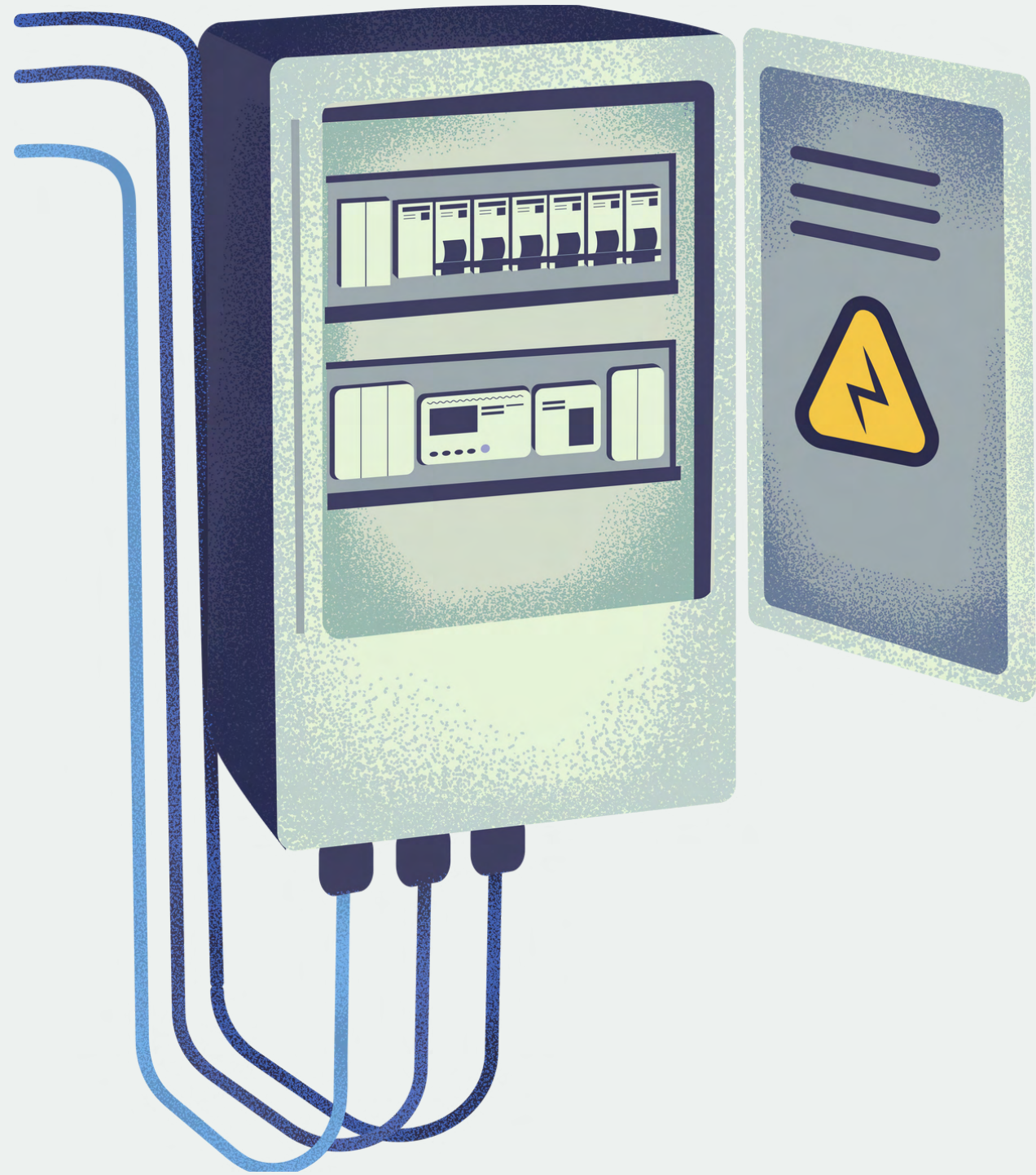
# Energy Democracy

Feasibility of a Renewable Energy Project

Trevessu, Italy

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101 houses x  
5 kW each =  
505 kW at least

10 meters

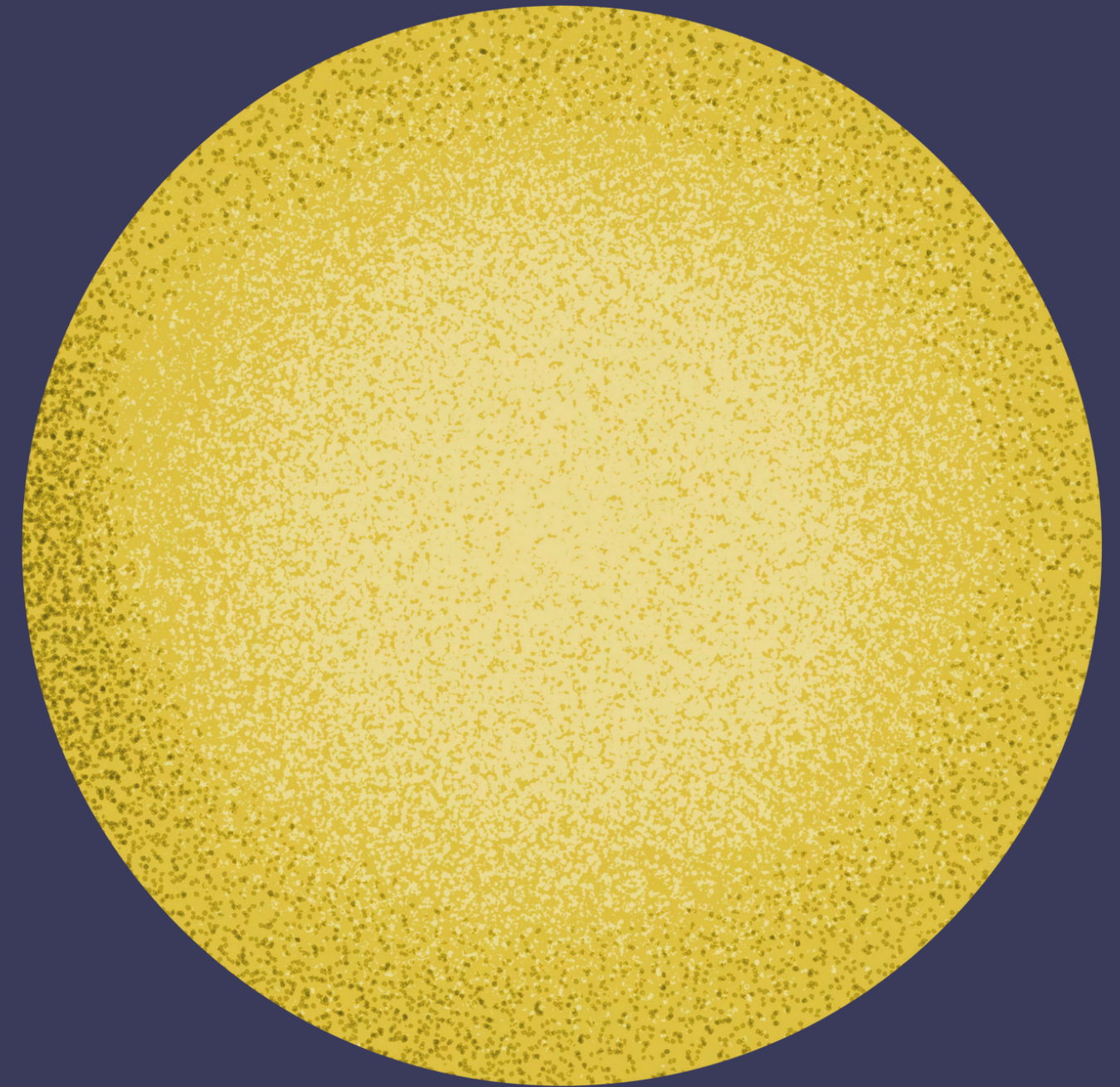


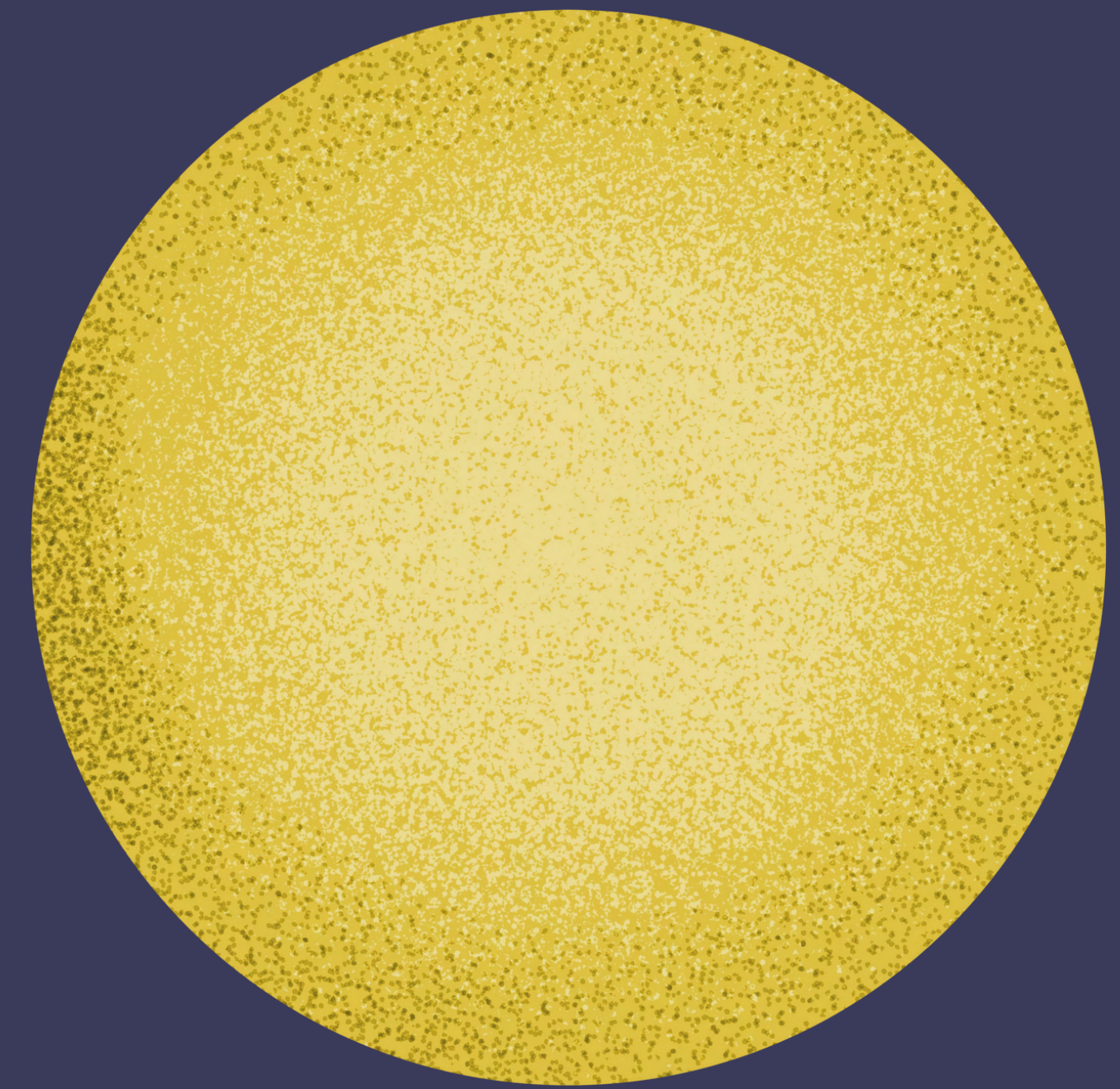
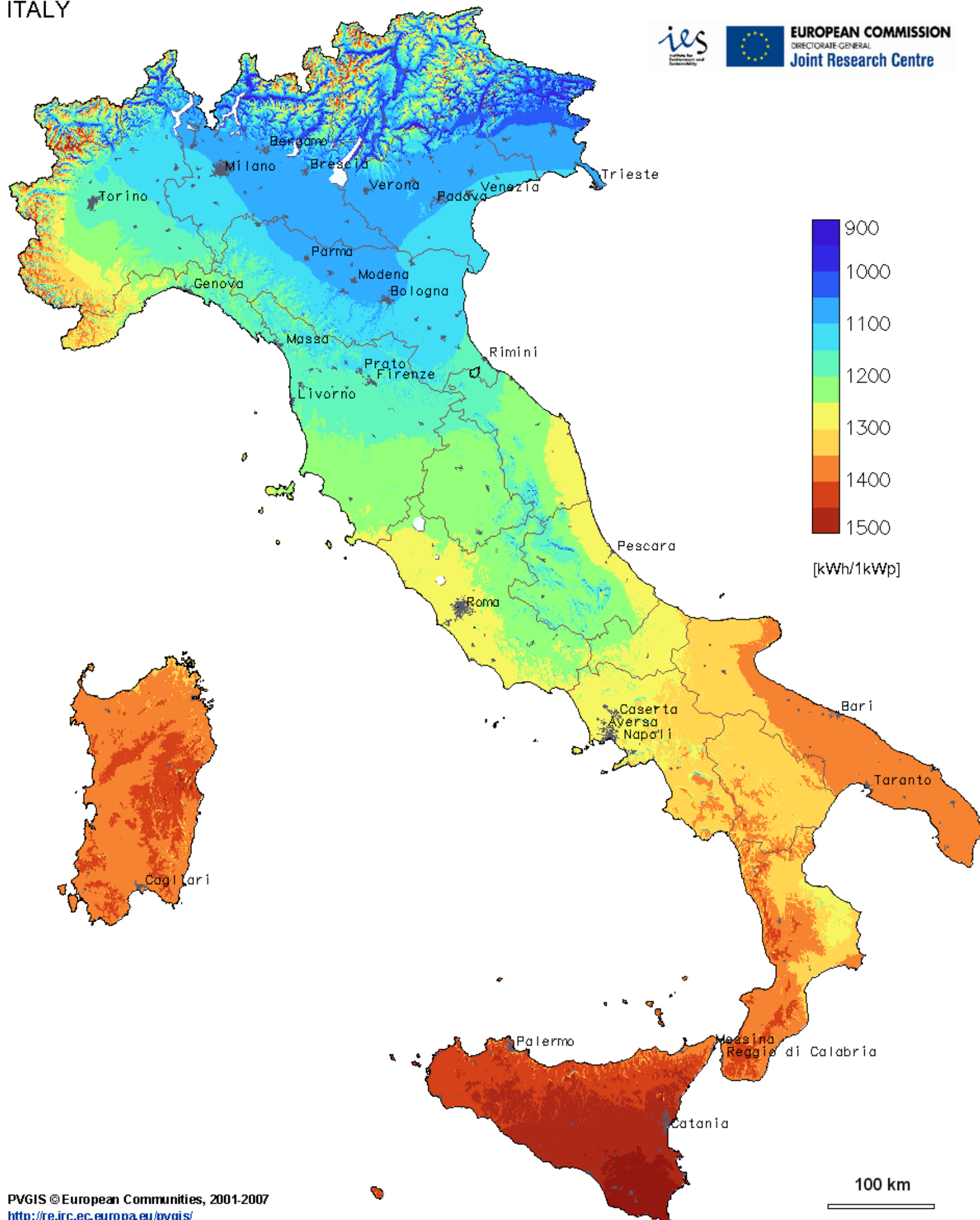
8 meters

1 house  
3 people

4.200 kWh/year  
11,50 kWh/day

The sun:  
inexhaustible &  
clean energy  
source





Sardinia  
1.400 kWh/1kWp

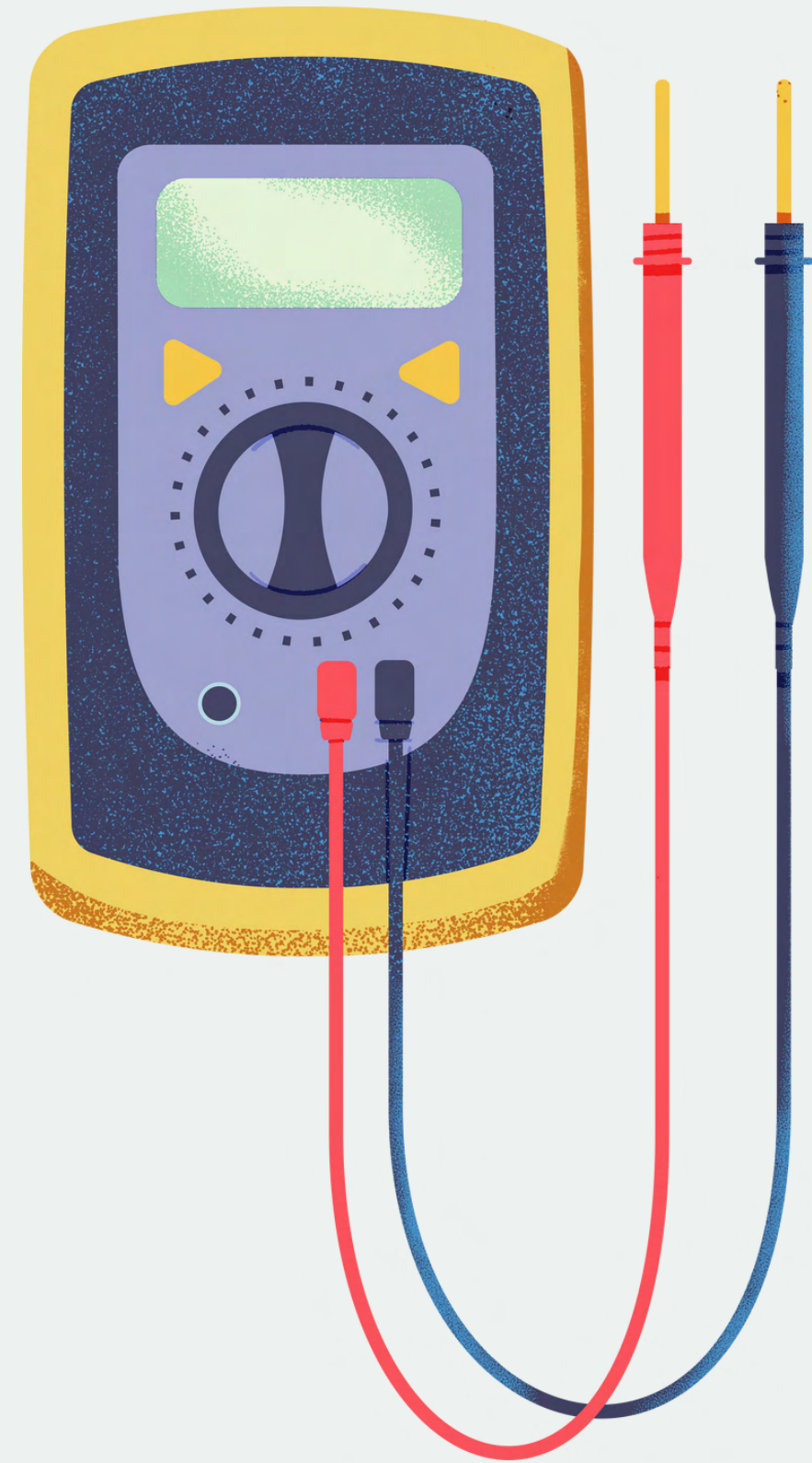
# Type of power plant

On grid photovoltaic panels  
30 square meters &  
6 kW each



# Permissions

No needed in Zone B



# Cost of PV panels

2.000 €/kW  
x 6 =

12.000 € for  
each house



01. Panels & installation

02. Connection to the grid

03. Inverters



# Cost of power plant

Total cost =  
1.212.000 €



**01.** 40 houses  
20%  
6.060€ each

**02.** 30 houses  
30%  
12.120€ each

**03.** 31 houses  
50%  
19.548€ each



# Consumption

11,50 kWh/day

5 hours/day

5,75 kWh

(from the grid)

52€/month



# Production

21,90 kWh/day

16,16 kWh  
(on the grid)

**38,80€/month**

## Consumption

2.070 kWh/year

623€/year



## Production

5.817 kWh/year

465,63€/year

$$\text{Euro} = 623 - 465 = 158\text{€}$$

# Finance program: Ecobonus



65%

In 10 years' time  
787.800€

78.780€/year

# Depreciation

		Ecobonus	In 10 years	Yearly
<b>40 (20%)</b>	6.060€	65%	3.939€	393€
<b>30 (30%)</b>	12.120€	65%	7.878€	787€
<b>31 (50%)</b>	19.548€	65%	12.706€	1.270€

Thank  
you very  
much!

