

INNOVATIVE SOLUTIONS FOR REMOTE SMART LAND MANAGEMENT IN AGRICULTURE



pool of partners

**Family household
„Nikola Lončar“
Belegiš**



MSc.ME. Ilija Stevanović, IMP

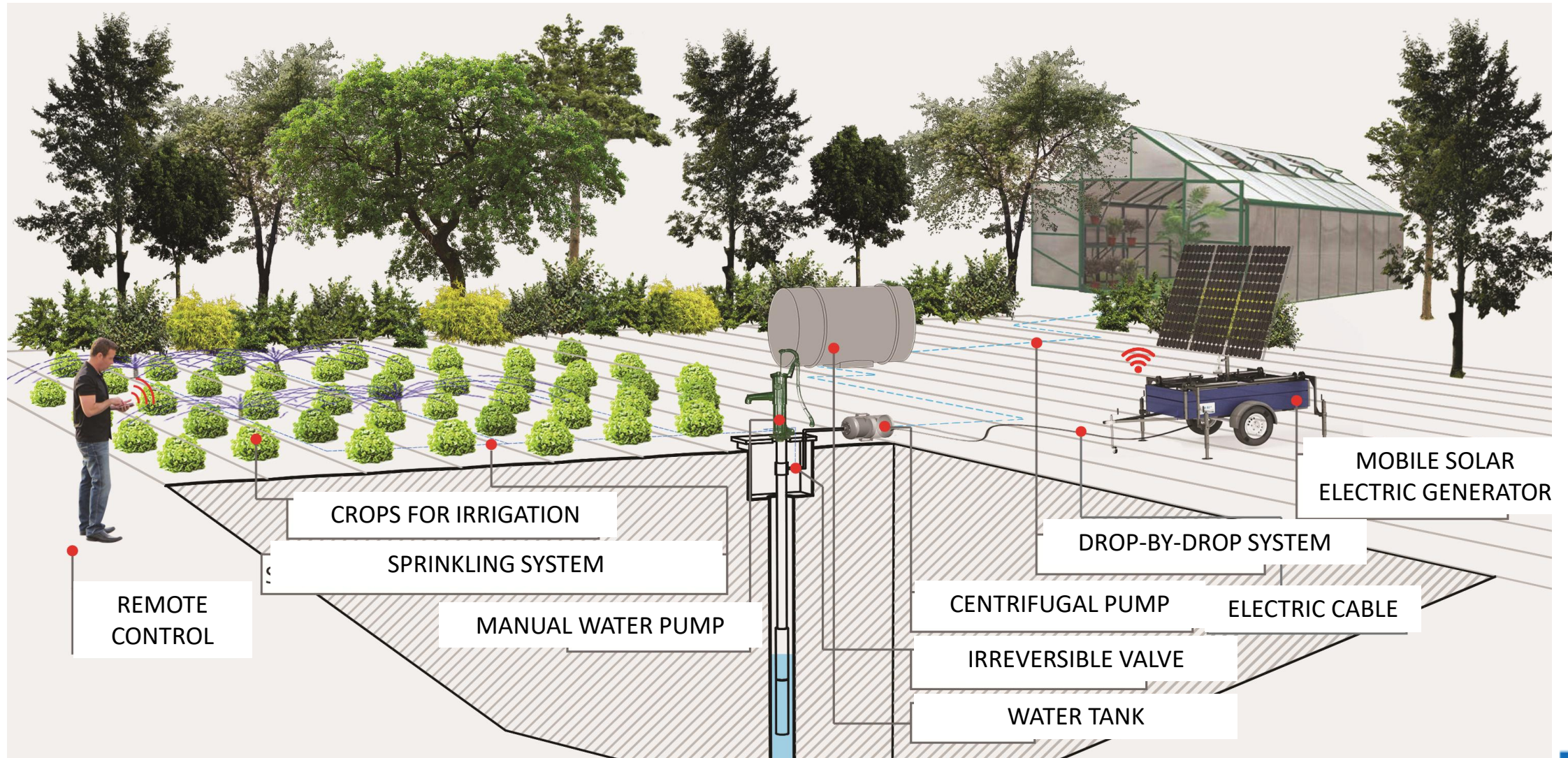
PROBLEM TO BE SOLVED

- Serbia has ***extraordinary natural potential*** for various agricultural production.
- The agriculture in Serbia is dealt with ***1.3 million people*** or ***630,000 family households***.
- Despite this, the agricultural production is **low productive** and ***economically unsustainable*** !!!



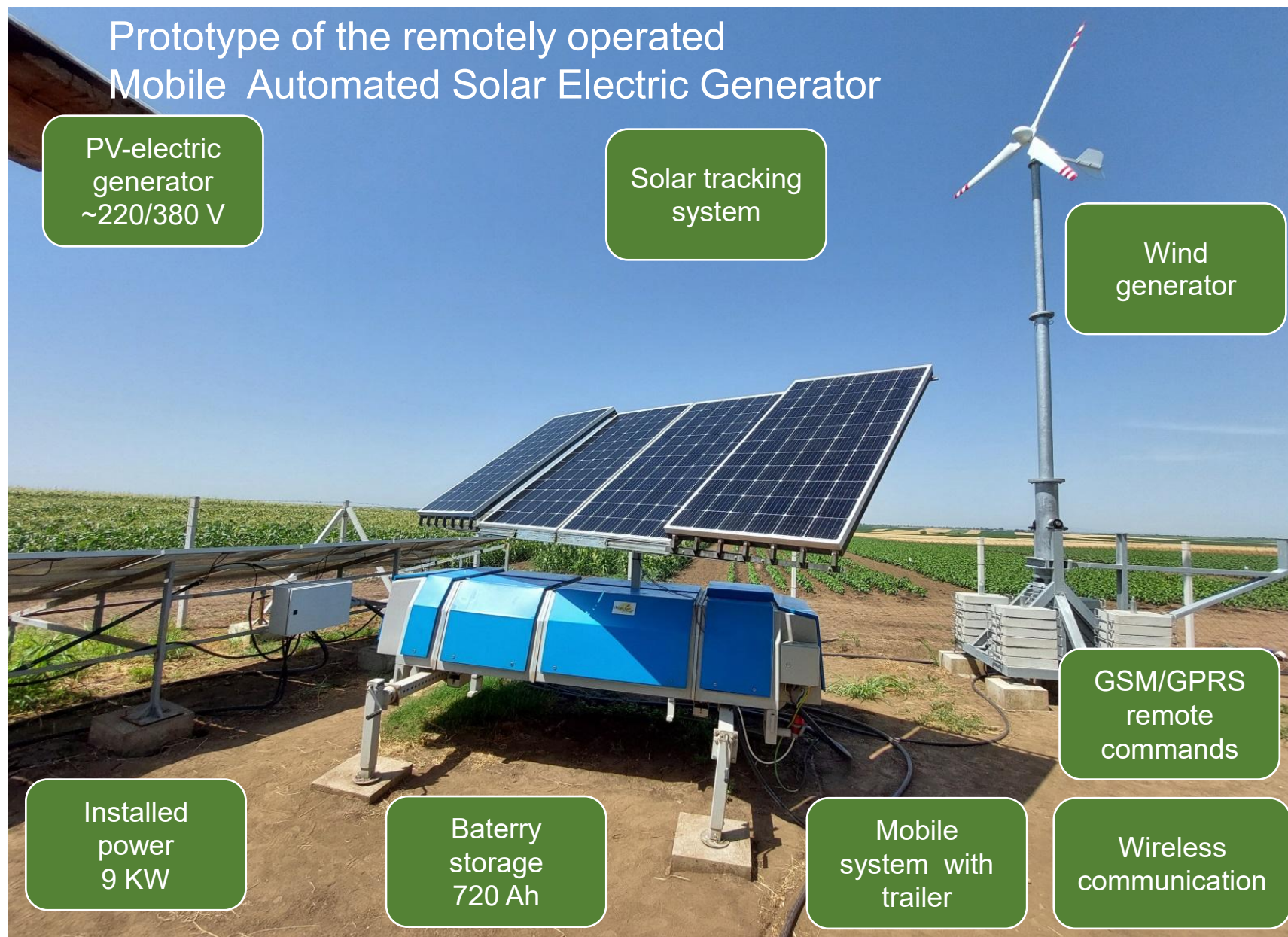
Empowered lives.
Resilient nations.

INNOVATIVE REMOTE-OPERATED SMART LAND MANAGEMENT – PRINCIPLE OF OPERATION



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REMOTE-OPERATED MOBILE AUTOMATED SOLAR ELECTRIC GENERATOR – CORE OF THE SYSTEM



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LEVEL OF REALIZATION

System in full operation, Belegiš, August 2019

Петровић салаш

Agriculture household

Distance 3,5 km or 20 min trip

Family home

Белегиш

Danube river

ACHIEVED BENEFITS IN THE FIRST SEASON

1. *Double yield of the household*
2. *Better quality and uniformity of products*
3. *Less labor effort (less time consumed)*

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Google Earth



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2009

Стари Бановци

Датум слика: 3/27/2017 45°01'35.08" С 20°18'57.67" И вис. 91 м поглед са висине 11.30 km

ECONOMIC IMPACTS

- Energy savings by **replacement of fossil fuels** with renewables
- Savings by rational use of **fertilizers** and **pesticides**
- Savings in **labour effort** (less labour time)
- **Increasing yields** and **products quality** (healthier food)
- **Decreasing production risks** by smart land management.

ECOLOGICAL IMPACTS

- **Optimized use of natural resources** – water, soil and energy
- **Lower use of inputs** – fertilizers and pesticides
- **Complete elimination of use of fossil fuels** (600-700 litres/ha/year)
- **Reduction of emission of polluting gases** in the atmosphere (1,5 tons/ha/year)



RETURN ON INVESTMENT FOR END-USERS

- **ROI** for purchasing our innovative technology is
12 months (applied to 10 hectares)
24 months (applied to 7.5 hectares)
36 months (applied to 3.5-5.0 hectares).



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WHAT WE NEED?

- **Partner** for **FINANCING** and/or **MANUFACTURING** of a serial production of the Smart Land Management System (up to 500,000 \$US)
- **Partner** for **SALES** in Serbia and region.

The **TARGET MARKET** in Serbia are **small** and **medium-sized** family households (**that is more than 90%**)

Serbia has a BIG MARKET for this type of investement!



CONTACT



Mihajlo Pupin Institute (IMP)

Volgina 15, 11060 Belgrade, Serbia

URL: www.pupin.rs

Phone: +381 11 6774 236 (office)

E-mail: aleksandar.rodic@pupin.rs



Institute for Agricultural Economy (IAE)

Volgina 15, 11060 Belgrade, Serbia

URL: www.iep.bg.ac.rs

Phone: +381 11 6972 848 (office)

E-mail: jonel_s@iep.bg.ac.rs



Republic of Serbia
MINISTRY OF
ENVIRONMENTAL PROTECTION



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