

# STEWART

Science-based  
environmentally friendly  
new layout for floating PV

# STEWART Project Scope

- Investigate effects of current FPV designs on respective ecosystems
- Propose scientifically sound, environmentally friendly new concepts for FPV
- Enhance performance, affordability and sustainability of FPV system inland and near-shore

## Operative objectives

- Establish monitoring protocol
- Testing on real sites, different climates and bird ecosystems, **including a near-shore site**
- Investigate economic and legal aspects
- Create sustainability-based design guidelines



# Specific needs, state of consortium

## Consortium

### Solar Research:



### Universities:



SAPIENZA  
UNIVERSITÀ DI ROMA



ORTA DOĞU TEKNİK ÜNİVERSİTESİ  
MIDDLE EAST TECHNICAL UNIVERSITY



### FPV industrial leaders:



BayWa r.e.



HelioRec  
THE FLOATING SOLAR POWER PLANT

### Legal expertise:



Tonucci & Partners<sup>o</sup>  
Because we care

→ Broad field of FPV knowledge

## Specific needs

- Further FPV monitoring sites
- EU-wide regulatory counselling



The STEWART project offers research-based solutions to enable FPV to become a sustainable, feasible part of the offshore renewable energy landscape.

# Contact

**Alexander Graef**  
**PV Power Plants, Group Floating PV**  
**Fraunhofer ISE**  
**[alexander.graef@ise.fraunhofer.de](mailto:alexander.graef@ise.fraunhofer.de)**

