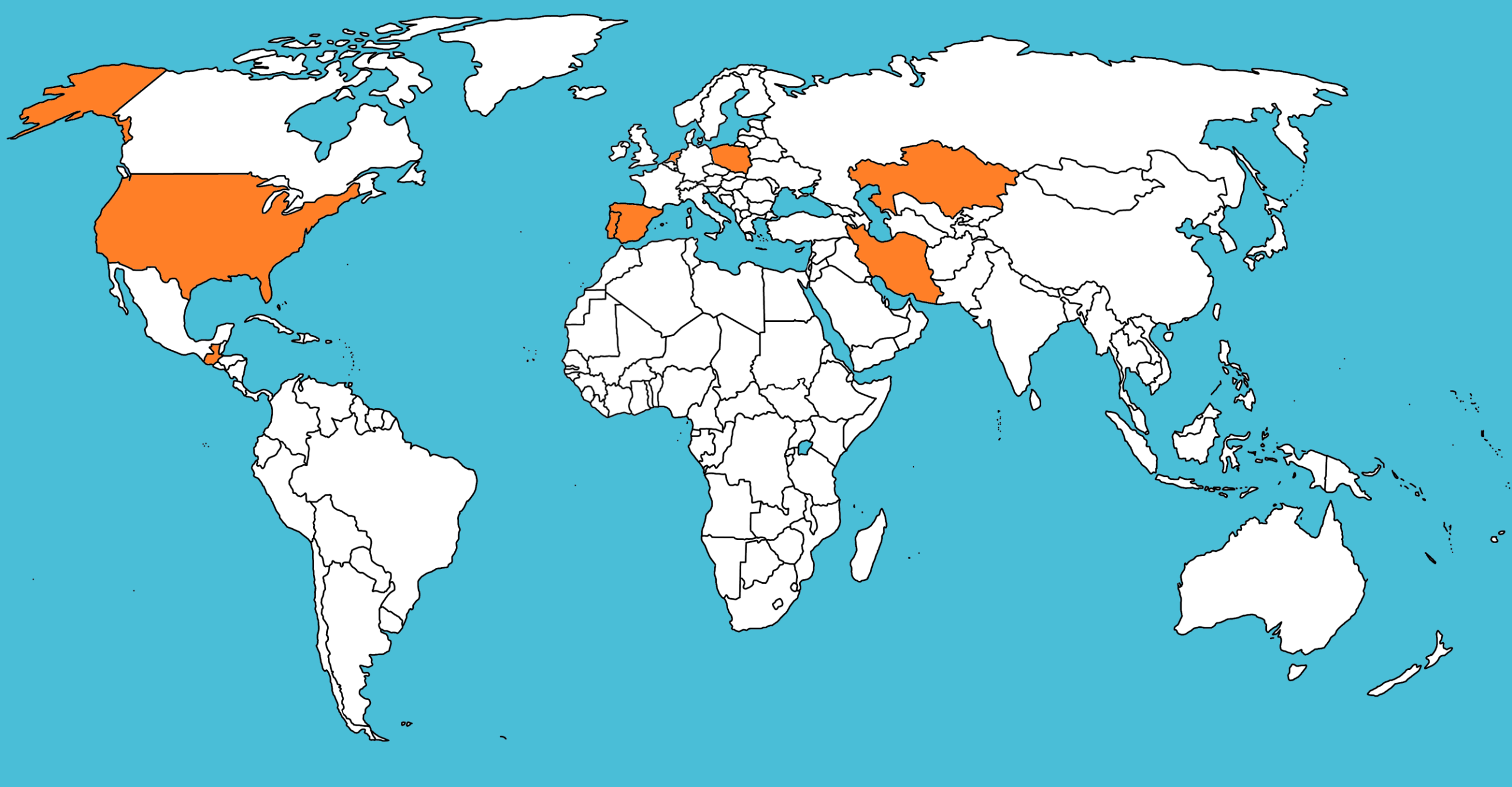


**IrriWatch**



**Scientific Integrity & Credibility  
2020 Ground Truth Campaign**

**Validation Book**  
Published December 2020



# Table of Contents (1/2)

Parameter	Crop type	Country	Company	Contact person
Solar Radiation	Potatoes	The Netherlands	McCain	Erik Haasken
		Poland	RMA	Peter Raatjes
Air Temperature	Almonds	Portugal	Aquagrí	Onno Schaap
Reference Evapotranspiration	Citrus	Spain	NaanDanJain Ibérica	Manuel Gómez
	Potatoes	Poland	RMA	Peter Raatjes
		The Netherlands	McCain	Erik Haasken
Actual Evapotranspiration	Almonds	Spain	NaanDanJain Ibérica	Manuel Gómez
		U.S.A. (California)	University California Davis	Isaya Kisekka
	Wine Grapes	U.S.A. (California)	Vinduino	Reinier van der Lee
Soil Moisture	Potatoes	The Netherlands	McCain	Erik Haasken
		Poland	RMA	Peter Raatjes
	Wheat	Iran	Saj Systems	Ali Sharifi
	Almonds	U.S.A. (California)	University California Davis	Isaya Kisekka
	Sugarcane	Guatemala	Ingenio Magdalena	Fernando Lopez
Water Potential	Wine Grapes	U.S.A. (California)	Vinduino	Reinier van der Lee

# Table of Contents (2/2)

Parameter	Crop type	Country	Company	Contact person
Fresh Crop Yield	Potatoes	The Netherlands	McCain	Erik Haasken
			HLB	Arjan Mager
	Onions		Various	Anko Holstein, Vincent Hooijman & Piet Koekoek
	Pasture		De Marke (Wageningen University)	Robin Walvoort
	Corn	U.S.A. (Arkansas)	Greenway Equipment (John Deere)	Jared Field
		Kazakhstan	Qyzylsha	Robert Covell
	Rice	U.S.A. (Arkansas)	Greenway Equipment (John Deere)	Jared Field
	Cotton	U.S.A. (California)	Bowles Farming Co.	Emery Silberman
	Walnuts	U.S.A. (California)	University California Davis	Isaya Kisekka

## Acknowledgement

The IrriWatch Team is indebted to all its validation partners that have taken the effort to measure field parameters and verified the quality of the IrriWatch product. Some partners executed in situ measurements with soil moisture probes, pressure bombs, lysimeters and eddy covariance flux towers. Others have used yield sensors or weighbridge measurements to assess crop and pasture yield. Routine weather data has also been made available.

A big thanks to all of you for your contributions to the IrriWatch Validation Book 2020.

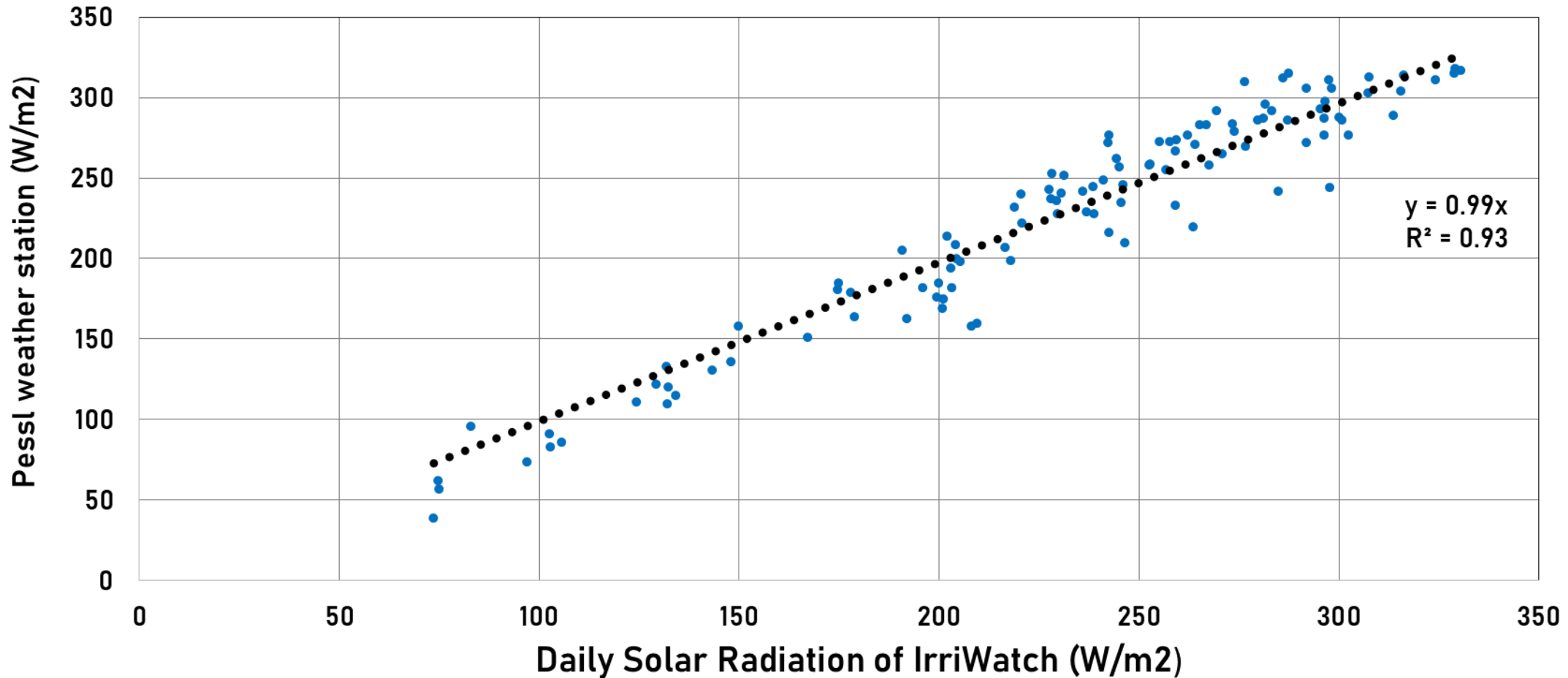
## Solar Radiation:

- ☀ Potatoes, The Netherlands
- ☀ Potatoes, Poland

# Solar Radiation, Nieuw-Vossemeer, The Netherlands



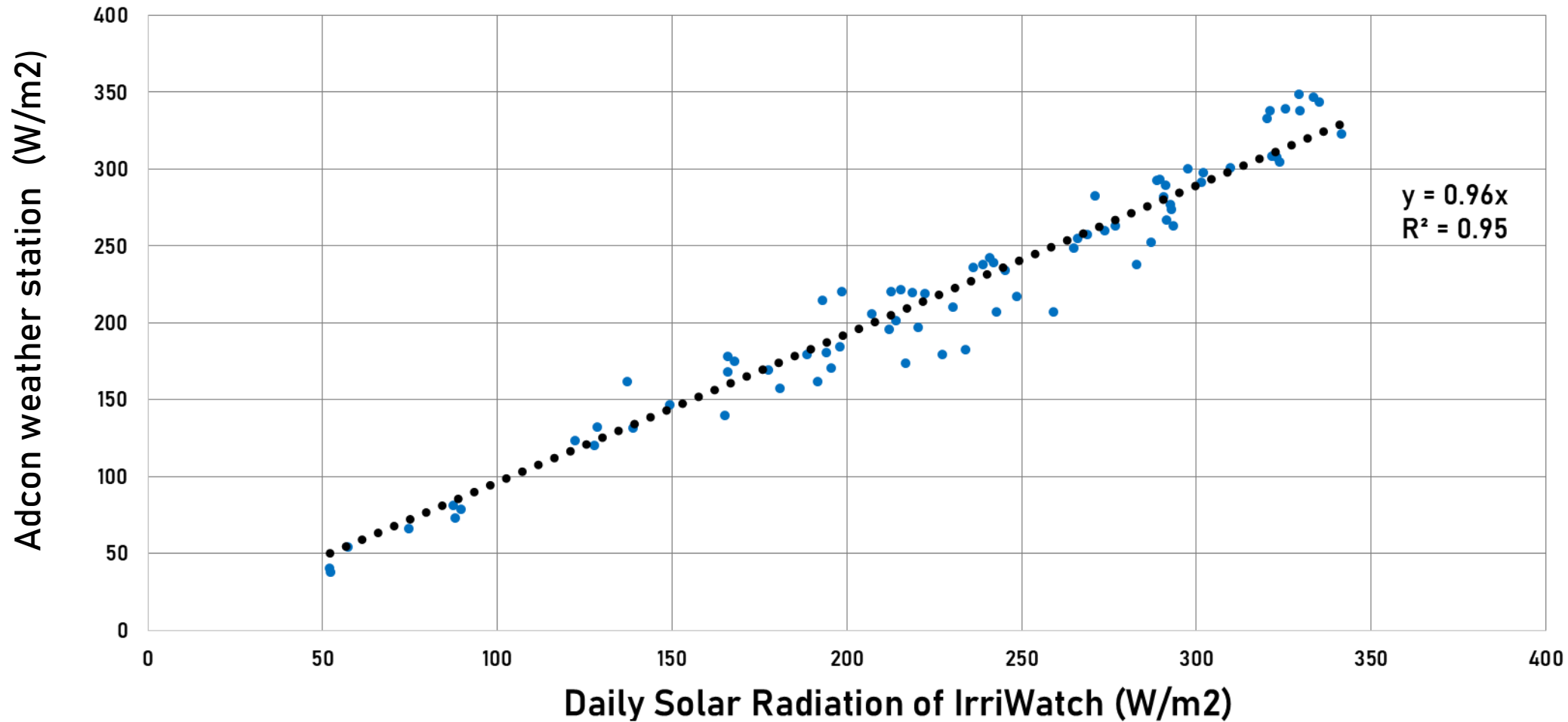
McCain measured daily solar radiation and IrriWatch with MSG satellites



# Solar Radiation, Boleslawiec, Poland



RMA measured daily solar radiation and IrriWatch with MSG satellites



RMA