Dr. ir. D. W. van der Meer

Energy meteorologist and data scientist with 7+ years of experience. Passionate about contributing to mitigating climate change through technological innovation in the energy sector.

CONTACT

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in Dennis van der Meer

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Google Scholar publication list

SKILLS

Programming	
R	
Python	
Matlab	
Scala	
Julia	
LaTeX	
Operating Systems	
Linux	
MacOS	•••••
Windows	
Software & Tools	
Visualisation	00000
(e.g. ggplot, matplotlib,)	
Data handling/analysis	•••••
(e.g. dplyr, numpy, scipy,)	
Machine learning	••••
(e.g. caret, scikit-learn,)	
Optimization	
(e.g. cvxpy, gams,)	
Artificial intelligence	
(e.g. tensorflow,)	
Docker	
Languages	
Dutch	00000
English	••••
Swedish	0000
French	••••

CERTIFICATES

Geospatial Analytics and Big Data; Mathematical, Statistical and Computational Foundations for Data Scientists; Introduction and Fundamentals of Data Science.

WORK HISTORY

April 2021 MINES Paris, Sophia Antipolis
 Postdoctoral researcher

11/2019 - 03/2021

▼ Greenlytics, Stockholm External consultant

• Uppsala University, Uppsala PhD candidate

EDUCATION

6 07/2016 - 01/2021

2021
 ♥ Uppsala University, Uppsala
 2016
 ♥ Technical University, Delft
 2013
 Doctor of Philosophy
 Master of Science

Technical University, Delft

Bachelor of Science

ACHIEVEMENTS, HONOURS AND AWARDS

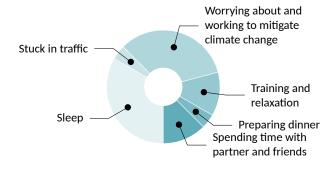
- Helped PI receive funding by writing deliverable for a European Union Horizon 2020 project (No. 864337).
- ➡ Helped PI secure €410,000 funding for a project of the Swedish Energy Agency.
- Derived irradiance maps of Sweden from satellite imagery using state-ofthe-art algorithms.
- **♥** Best Paper Award (IEEE Industrial Electronics Society, 2019).
- ₱ Finalist in Best Student Paper Award Competition (IEEE PVSC, 2018).

GENERAL SKILLS

 Problem solving
 Critical thinking
 Active listening
 Collaboration

 Written communication
 Public speaking
 Adaptability
 Organization

A DAY IN THE LIFE OF



LIST OF SELECTED PUBLICATIONS

Generalizing Renewable Energy Forecasting Using Automatic Feature Selection and Combination

Ċ.	D. van der M	leer, S. Camal, G. Kariniotakis		
	2022	17th International Conference on Probabilistic Methods Applied to Power Systems (PMAPS)	Ø,	Link
		Reactive Power Control of Distributed Energy Resources via a Copula Estimation of Distribution Algorithm leer, H. Valizadeh Haghi, J. Kleissl, J. Widén		
	2022	■ 17th International Conference on Probabilistic Methods Applied to Power Systems (PMAPS)	ø,	Link
٩r	eview of so	olar forecasting, its dependence on atmospheric sciences and implications for grid integration: Towards carb	on	neutrality
6 :	D. Yang, W. \	Vanga, C.A. Gueymard, T. Hong, J. Kleissl, J. Huang, M. J.Perez, R. Perez, J. M. Bright, X. Xia, D. van der Meer , I. Marius Peters		
	2022	Renewable and Sustainable Energy Reviews, Vol. 161, id. 112348	_Q	Link
٩b	enchmark	for multivariate probabilistic solar irradiance forecasts		
Ċ.	D. van der M	leer		
⊞	2021	■ Solar Energy, Vol. 225, pp. 286-287	⊗	Link
		ng in solar forecasting: Ten overarching thinking tools		
<u>.</u>	D. Yang, D. v	an der Meer		
⊞	2021	Renewable and Sustainable Energy Reviews, Vol. 140, id. 110735	æ	Link
	alternativo otovoltaic	e optimal strategy for stochastic model predictive control of a residential battery energy management syste	m؛	with solar
Ċ.	D. van der M	leer, G. C. Wang, J. Munkhammar		
₩	2021	■ Applied Energy, Vol. 283, id. 116289	œ	Link
/eı	ry short te	m load forecasting of residential electricity consumption using the Markov-chain mixture distribution (MCN	1) n	nodel
O -	J. Munkham	mar, D. van der Meer , J. Widén		
	2021	■ Applied Energy, Vol. 282, id. 116180	_Q	Link
/eı	rification o	f deterministic solar forecasts		
	Gueymard, 1	lessandrini, J. Antonanzas, F. Antonanzas-Torres, V. Badescu, H. G. Beyer, R. Blaga, J. Boland, J. M. Bright, C. F. M. Coimbra, M. David, Æ . Hong, M. J. Kay, S. Killinger, J. Kleissl, P. Lauret, E. Lorenz, D. van der Meer , M. Paulescu, R. Perez, O. Perpiñán-Lamigueiro, I. Marius Pe M. Saint-Drenan, Y. Shuai, R. Urraca, H. Verbois, F. Vignola, C. Voyant, J. Zhang		
	2020	■ Solar Energy, Vol. 210, pp. 20-37	д,	Link
Cle	ar-sky inde	ex space-time trajectories from probabilistic solar forecasts: Comparing promising copulas		
o:	D. van der M	leer, D. Yang, J. Widén, J. Munkhammar		
	2020	■ Journal of Renewable and Sustainable Energy, Vol. 12, id. 026102	œ	Link
٦e	view on pr	obabilistic forecasting of photovoltaic power production and electricity consumption		
Ċ.	D. van der M	leer, J. Widén, J. Munkhammar		
	2018	Renewable and Sustainable Energy Reviews, Vol. 81, pp. 1484-1512	⊗	Link
		gement System With PV Power Forecast to Optimally Charge EVs at the Workplace		
o:	D. van der M	leer, G. R. Chandra Mouli, G. Morales-España, L. Ramirez Elizondo, P. Bauer		
Ħ	2018	■ IEEE Transactions on Industrial Informatics, Vol. 14, pp. 311-320	д _о	Link