



energising
deltas



Investing in your future. Energising deltas is partly financed by the European Regional Development Fund of the European Union.

Potentials of Energy from Water

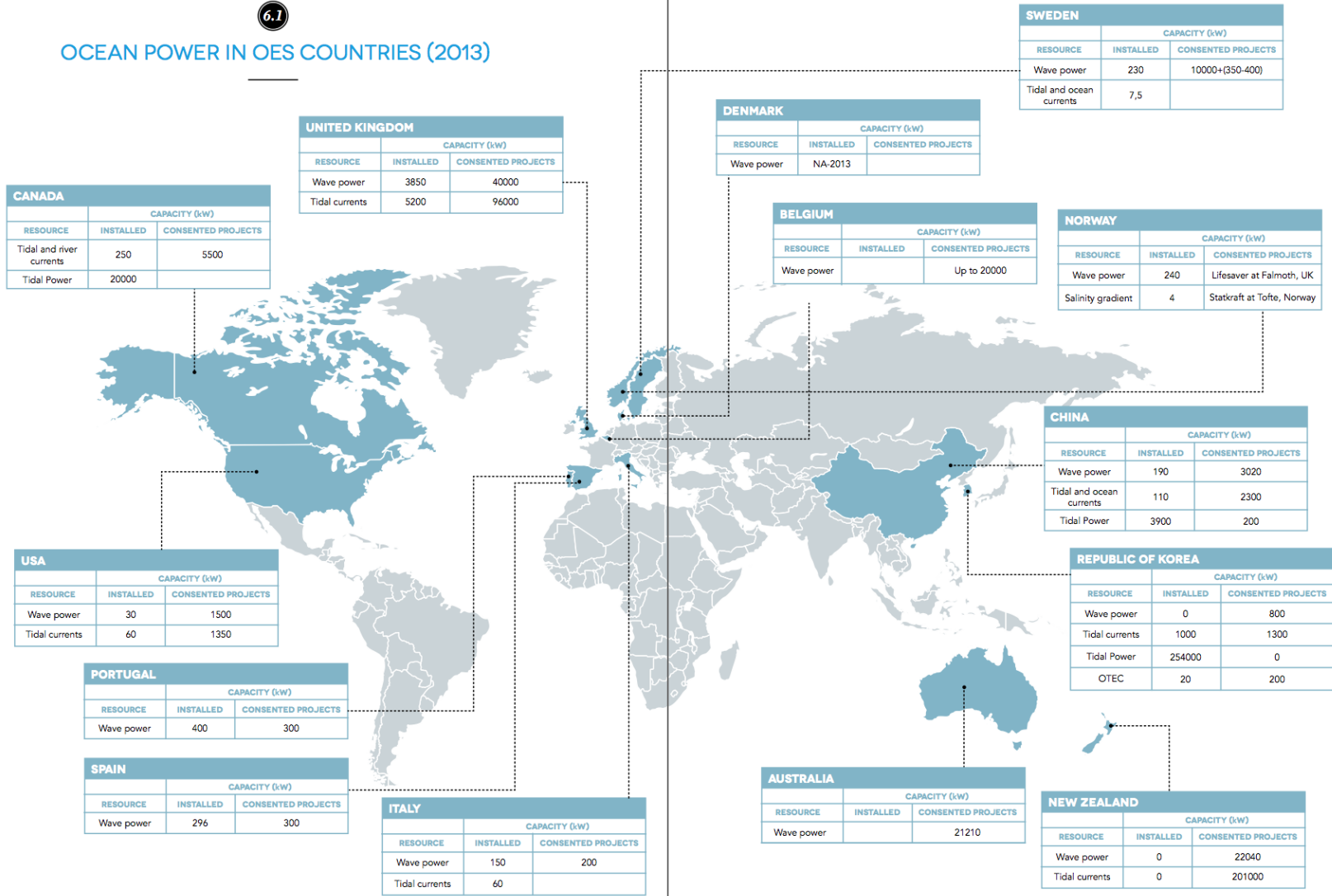
Peter Scheijgrond
MET-support



Global installed capacity

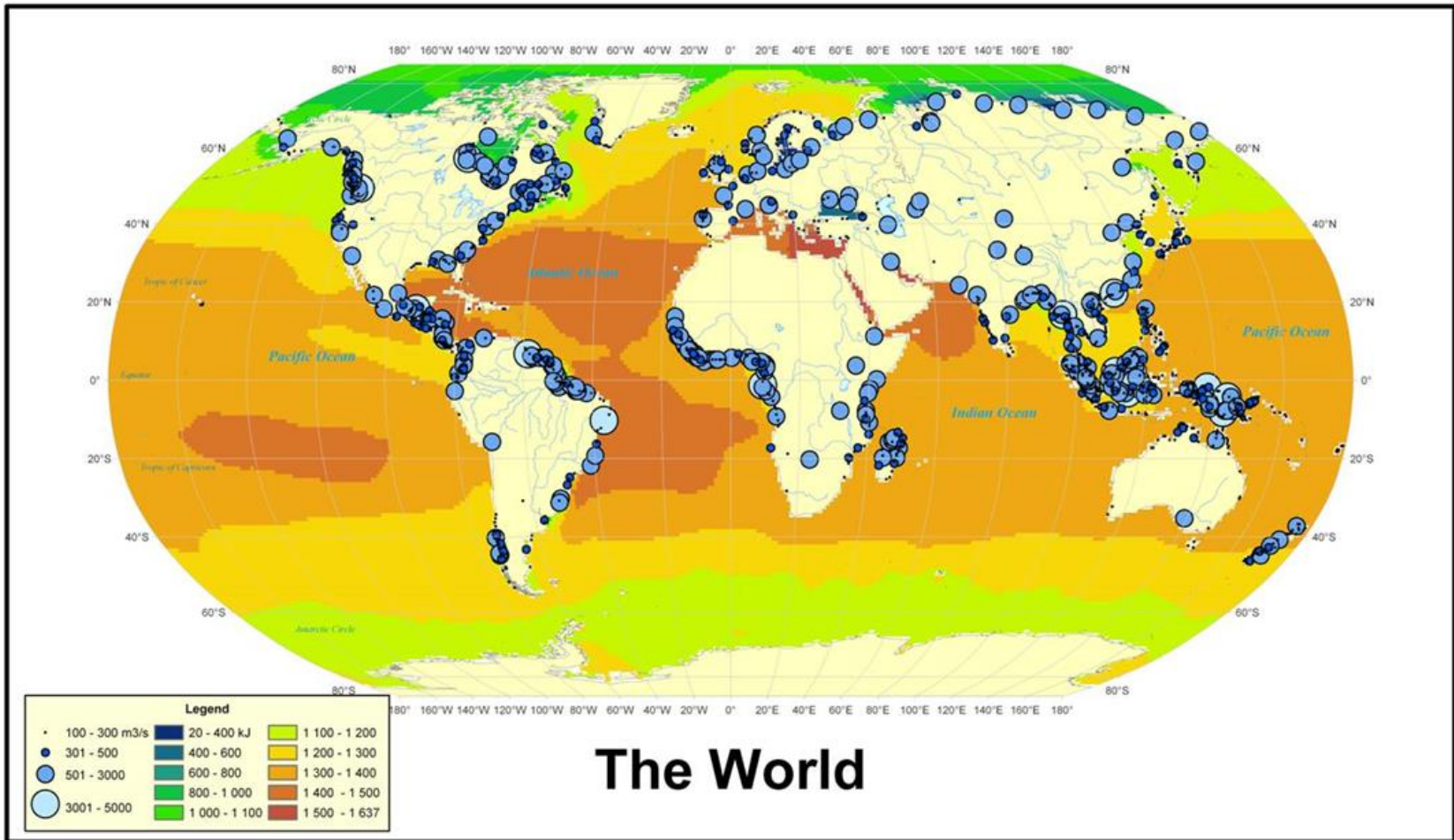
6.1

OCEAN POWER IN OES COUNTRIES (2013)



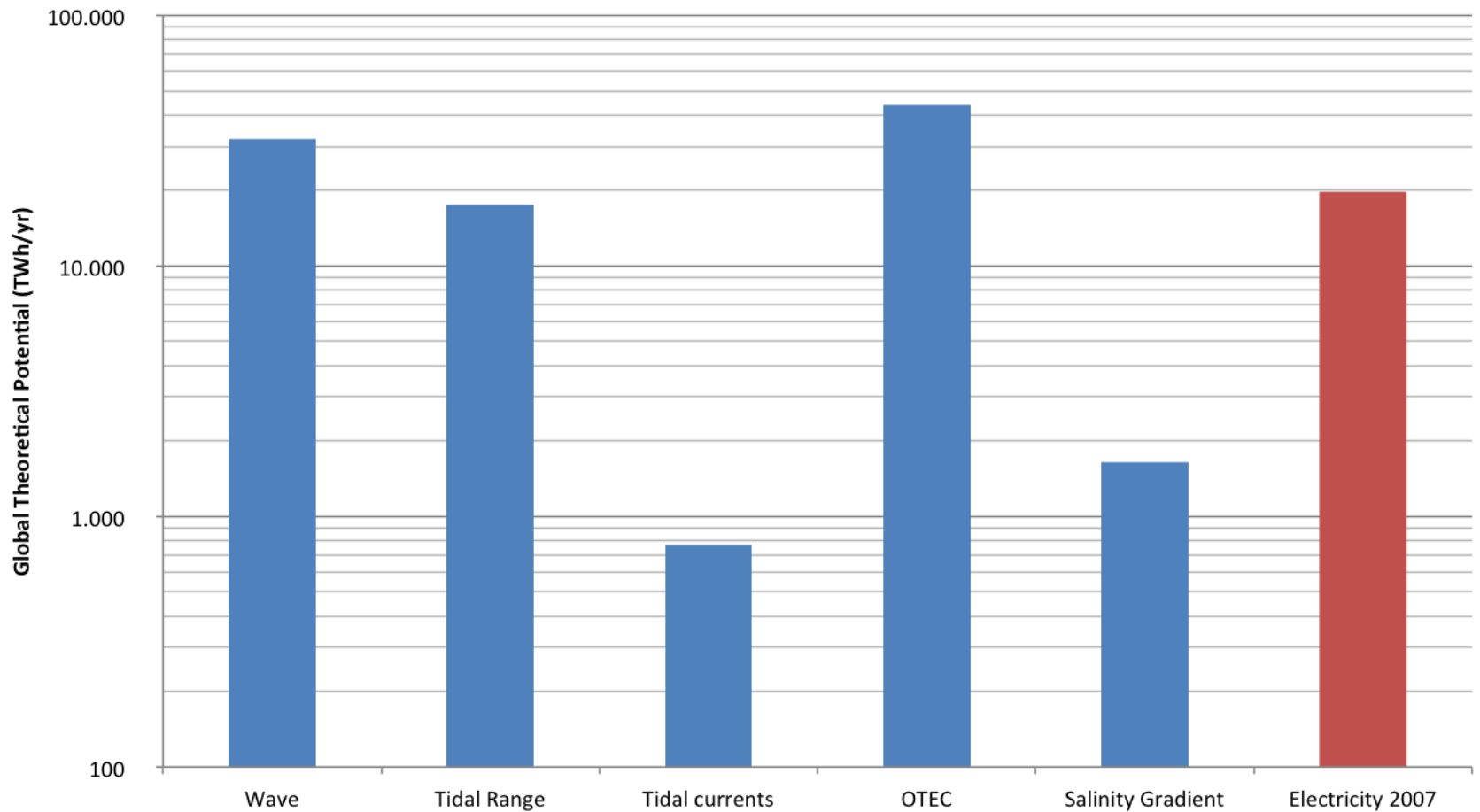


Possible locations salinity gradient



Robinson Projection
Central Meridian: 0.00

Global Potentials



(IPCC 2011)(Black & Veatch & Carbon Trust 2005; IEA 2009)



Dutch Potential (tidal)



	Potential kW (low estimate)	Potential kW (high estimate)	Installed capacity kW	Technology	Status
Westerschelde	500	5000	30	tidal stream	Permit for 5 years
Water Dunen	1000	2000		stream/low-head	in ontwikkeling
Oosterschelde Stormvloedkering	3000	60000		tidal stream	2 permits (15 years)
Brouwersdam opening	5000	40000		stream/low-head	Tender preparation
Grevelingendam tidal test centre	1000	3000		stream/low-head	Permitting started
Stevinsluizen	2250	4500			
Kornwerderzand	1500	3000	400	tidal stream	partly permitted
Marsdiep offshore locatie	200	500	100	tidal stream	Permit for 5 years
Wadden	5000	10000		tidal stream	
Totals (MW)	20	128			