

SANEDI and Solar energy

STERG symposium 2016

15 July 2016

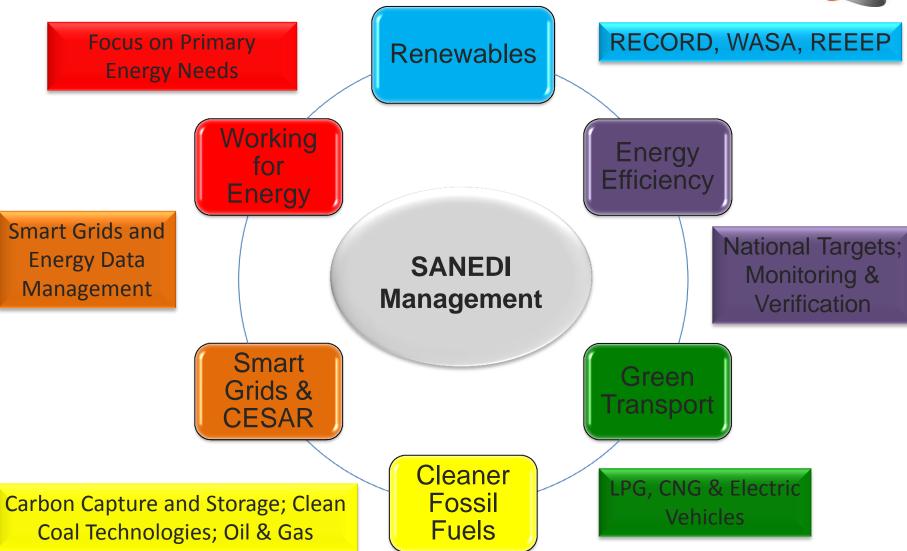
Dr Karen Surridge-Talbot (karenst@sanedi.org.za)



SANEDI overview

SANEDI structure





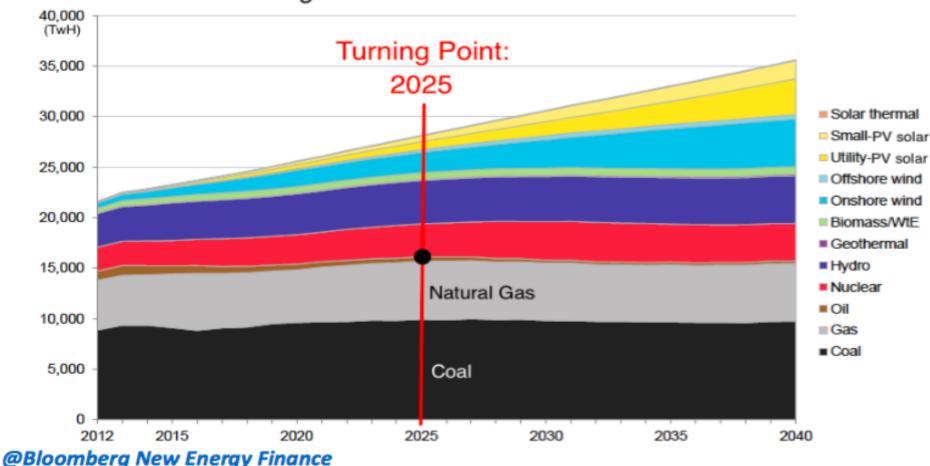
ENERGY INNOVATION FOR LIFE

Future predictions



Electricity Is Approaching Peak Fossil Fuels

Power generation has never looked so clean

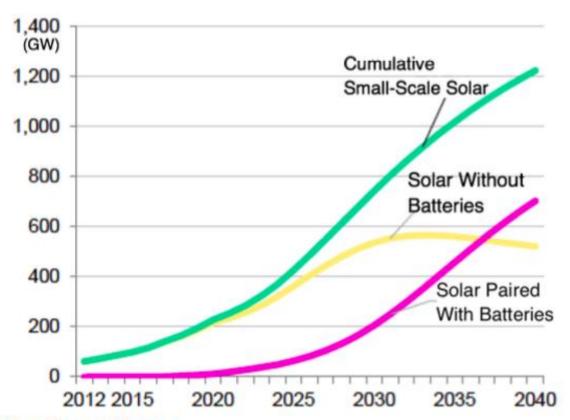


Future predictions



Here Come the Batteries

Electricity storage will come standard with rooftop solar by the 2030s



@Bloomberg New Energy Finance



RECORD

RECORD work packages



RECORD Operational

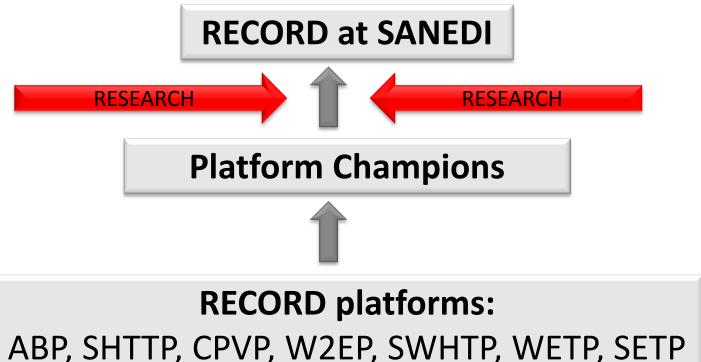
- Stakeholder Relations
- Industry engagement
- Reoccurring marketing
- Government representation for RE sectorial activities

RECORD Implementational

- Collaboration and coordination
 - International and national collaboration
 - Resource mapping
 - Solar cooling study
- RE Skills development and training

RECORD platform operation plan





\$\$\$ FUNDING \$\$\$





INFRASTRUCTURE

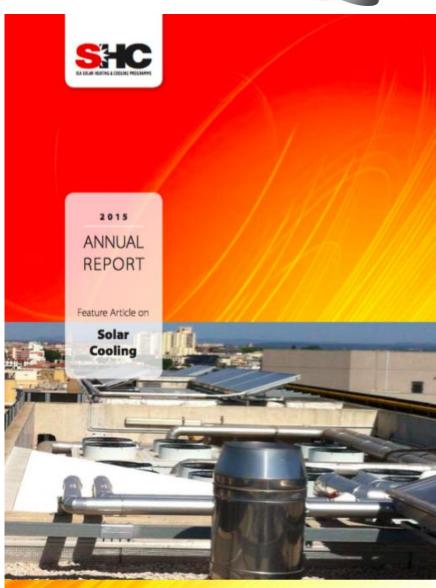
Platform Consortia:

Academic, Govt., Govt. research councils, SOEs, Industry, Private business, International partners



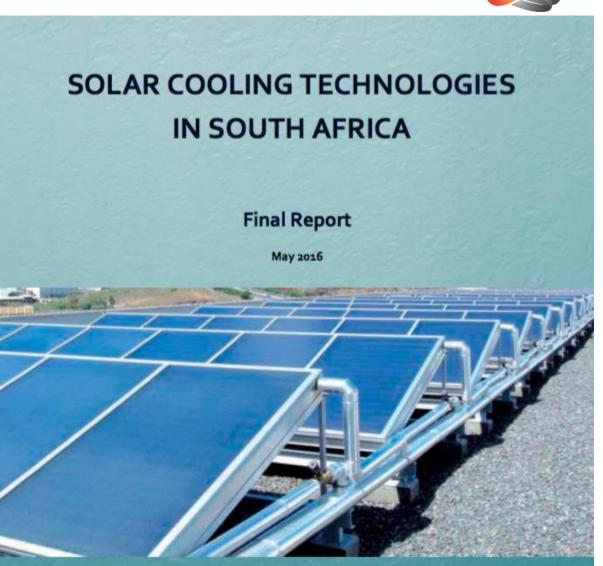
△ IEA SHC

- Membership
- Global knowledge base
- International interaction
- Collaborative projects



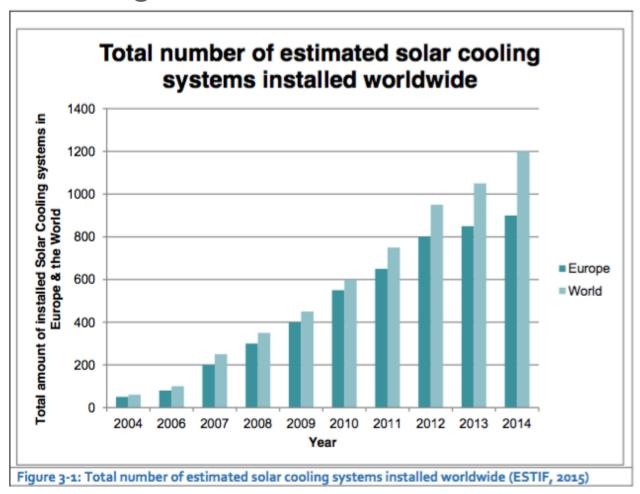


- Solar Cooling
 - SA market
 - Current status
 - SA potential





Solar Cooling





Solar Cooling

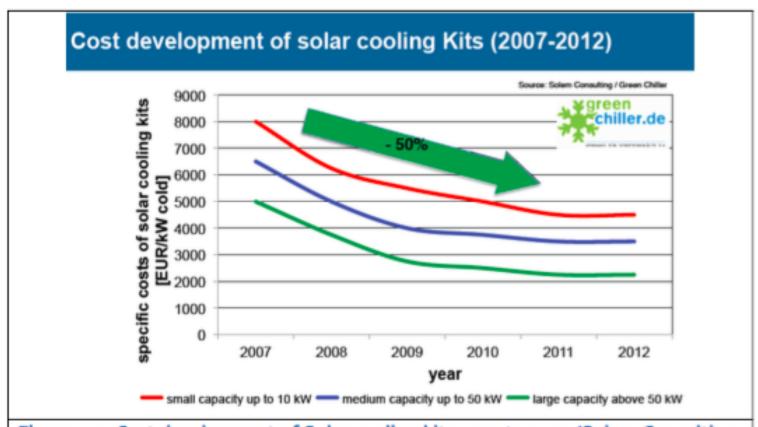
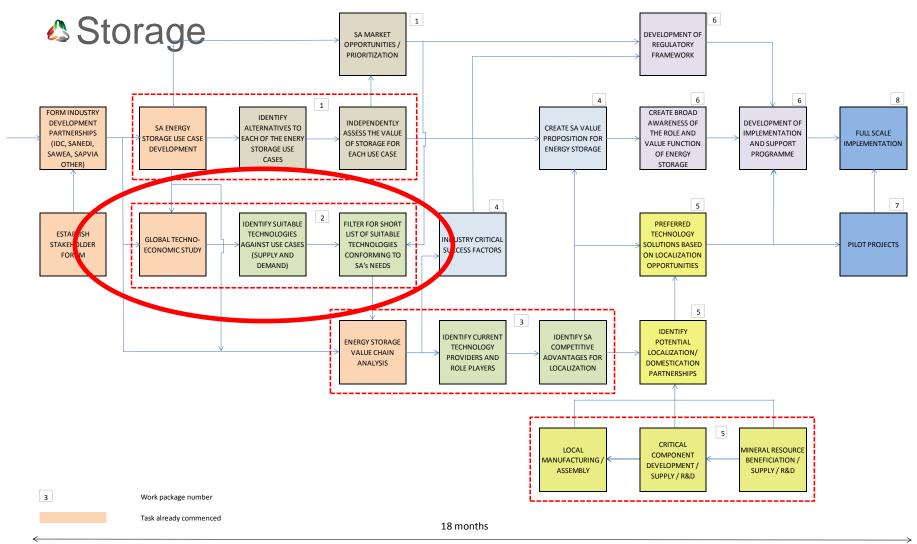


Figure 3-3: Cost development of Solar cooling kits 2007 to 2012 (Solem Consulting, 2014)







SOLTRAIN





The overall goal of SOLTRAIN is to a fossil fuel contribute to the switch from a fossil fuel to a sustainable based energy supply to a sustainable based on renewable energy system based on renewable energy supply system based on solar energies in general but based on thermal in particular.

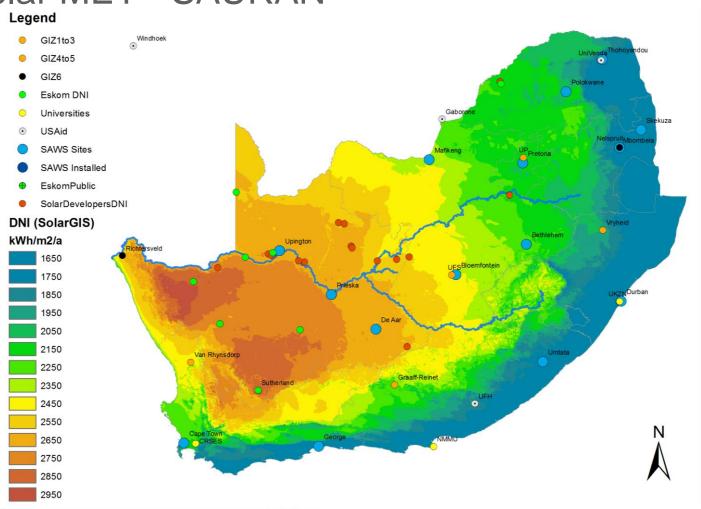




www.nee-intoc.at AEE - Institut für Nachhaltige Technologies

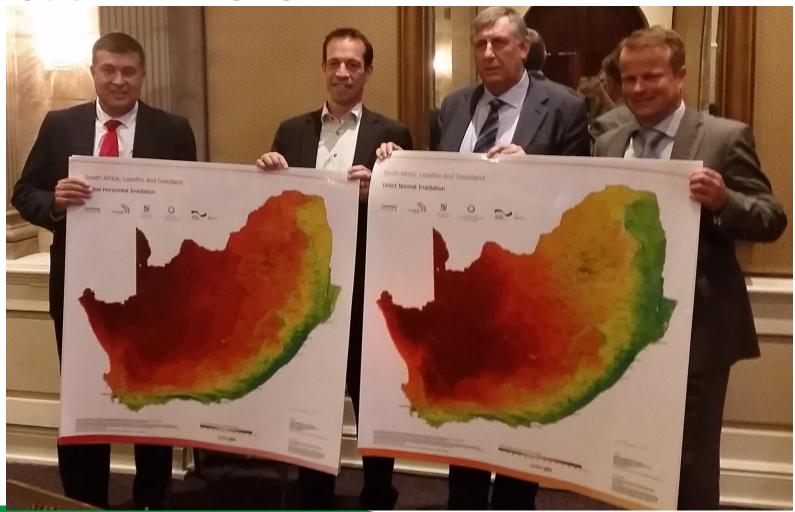


Solar MET - SAURAN





Solar MET - SAURAN



ENERGY INNOVATION FOR LIFE



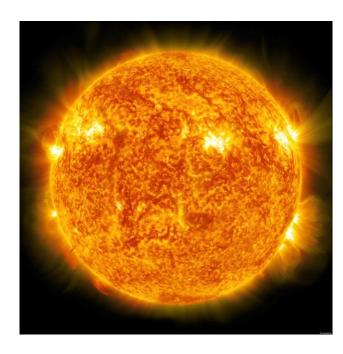
- Renewable Energy Fossil Fuel hybridisation
 - Scan
 - Technology agnostic
 - International collaboration











Consider



- SA priorities > Government strategic objectives
 - Energy security
 - Job creation
- Logistics of implementation
 - Costs
 - Maintenance
 - When, where, how, how much?
- Re-Search



THANK YOU