



SASSA LOW PRESSURE SOLAR WATER HEATER PROGRAMME

7th December 2011

UNFCCC Media Training Workshop, Durban

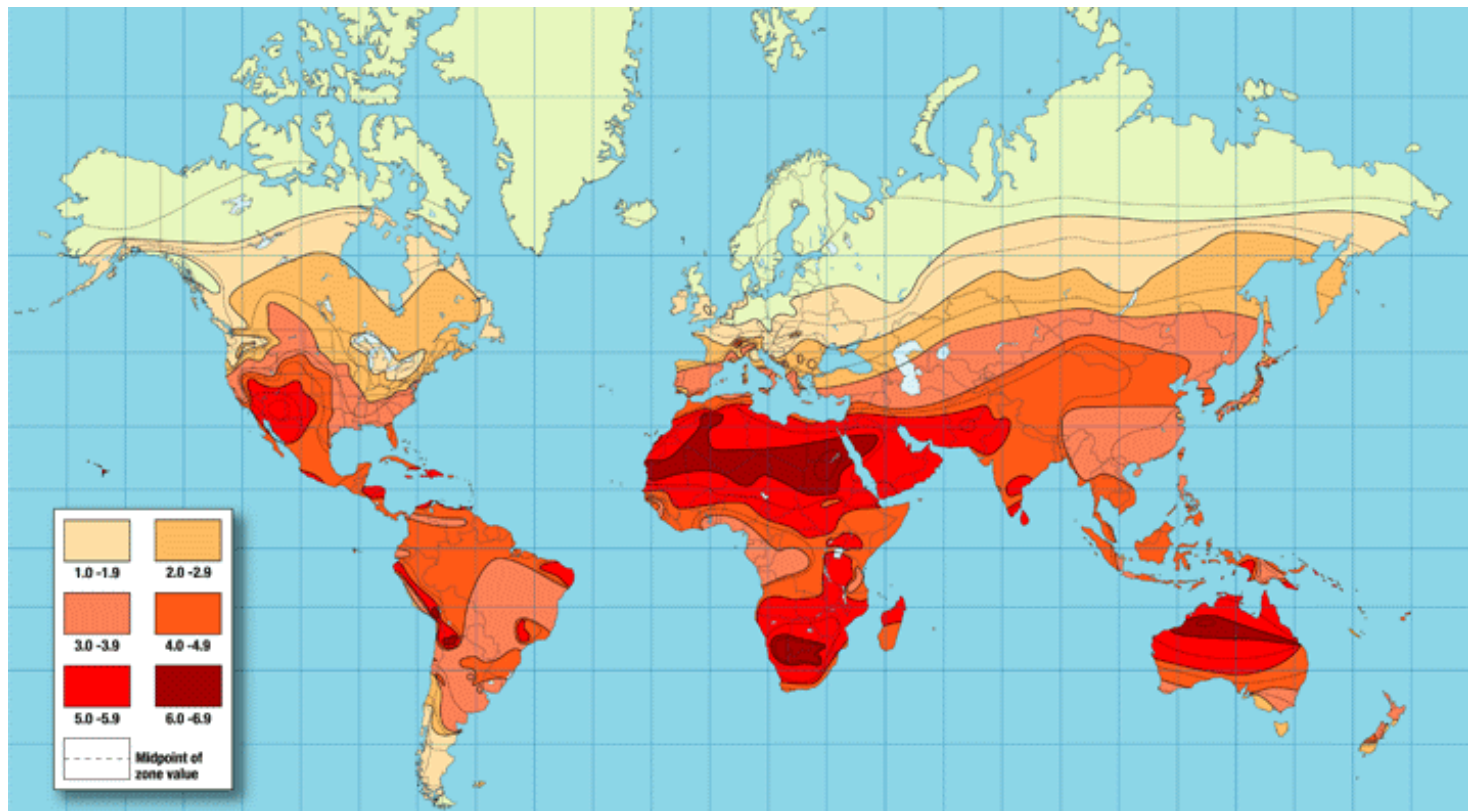
THE PROGRAMME

- Installation of 110 litre low pressure (LP) solar water heaters (SWHs) in low income households under PoA approach free of charge.
- Immediate positive impact on the social, economic and environmental well-being of recipients.
- South Africa's first registered Programme of Activities



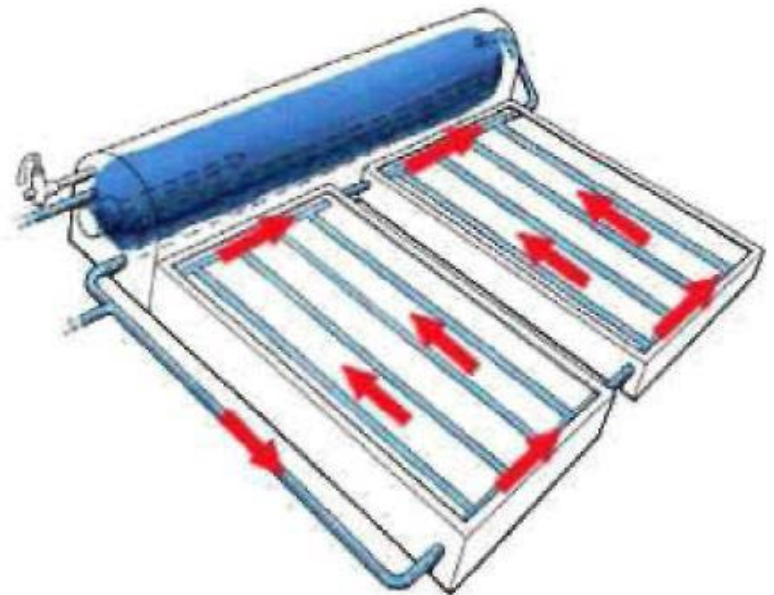
BACKGROUND TO THE PROGRAMME

Africa has the highest solar radiation levels in the world, which makes the concept of SWH logical!

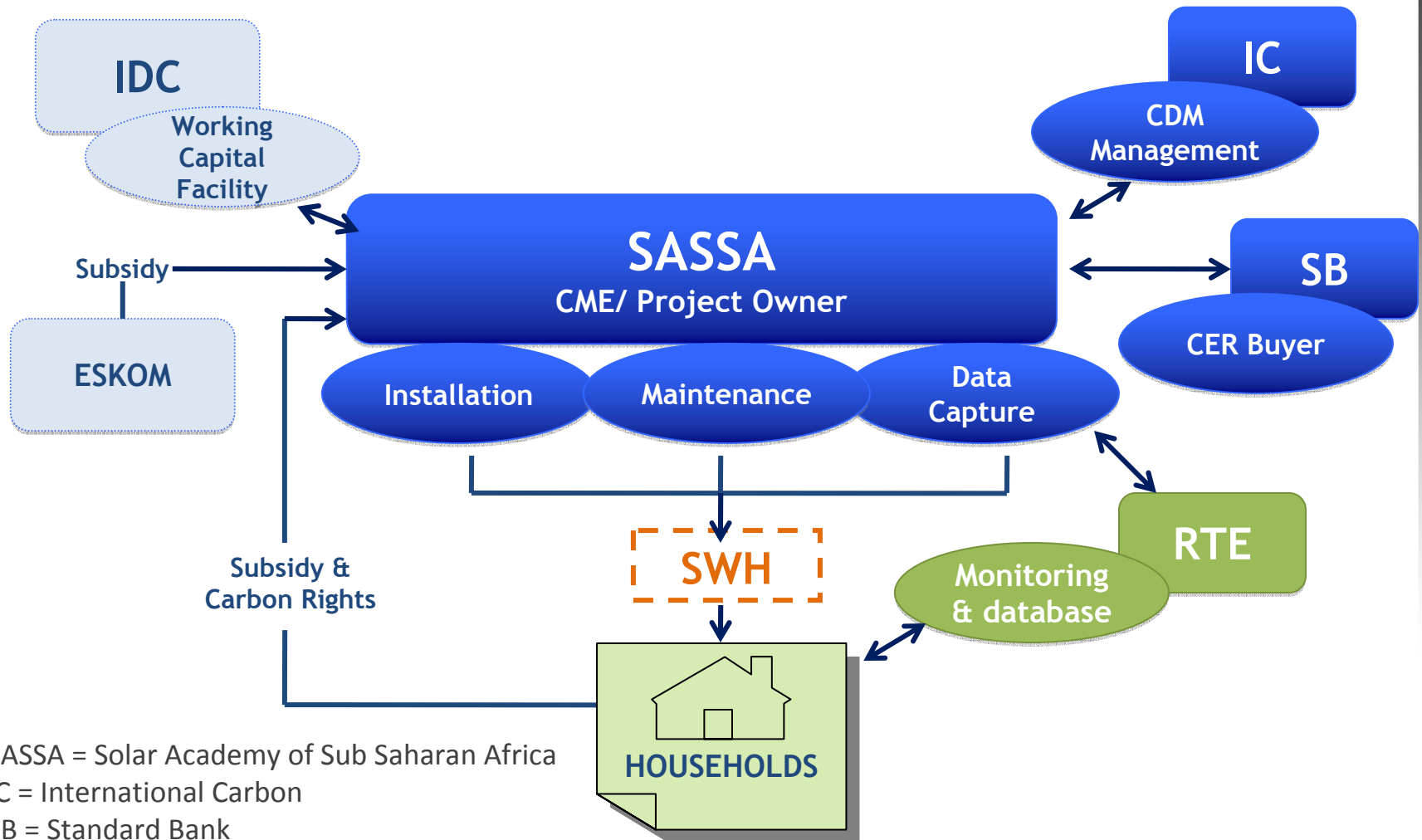


SOLAR WATER HEATING (SWH)

- Solar Academy of Sub Saharan Africa (SASSA) is supplier, distributing the Tasol brand.
- A water heating system using energy from the sun.
- Dark evacuated tubes absorb heat and hot water rises naturally into the tank, while cool water in the tank flows down to the bottom
- Main components:
 - 1) collector,
 - 2) liquid energy transfer medium (water or heat transfer fluid);
 - 3) geyser/tank.



PROJECT PARTICIPANTS



SASSA = Solar Academy of Sub Saharan Africa

IC = International Carbon

SB = Standard Bank

IDC = Industrial Development Bank

RTE = Real Time Energy

JOB GENERATION

- SASSA supports localisation and is currently establishing a local manufacturing plant whereby approximately 87% of all components will be sourced locally.
- More than 800 new jobs were created through this project which benefits and educates local communities on alternative energy sources.
- 10% of all installers from the respective beneficiary communities were trained to become qualified plumbers.



PROJECT PHASE / DOCUMENT

TIMELINES

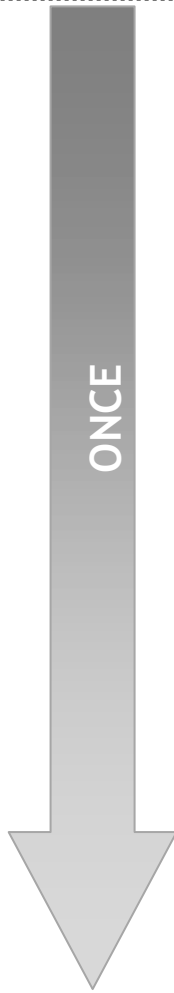


August 2009
October 2009
March 2010
April 2010
May 2010
June 2010

July 2010
August 2010
November 2010
December 2010
January 2011

April 2011

September 2011
October 2011



To date 77,000 SWHs have been installed!



Thank You!

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INTERNATIONAL CARBON LTD

INTERNATIONAL CARBON

An African carbon development, trading and advisory company, with expertise in the fields of carbon and energy.

Presence in UK and SA.

Our technical and commercial teams have many years of experience in the Carbon and Renewable Energy sectors, and have assisted various companies and governments to realise the Carbon potential in their portfolios. We also have long established links with other industry leaders, and we bring a total solutions package for our clients.

INTERNATIONAL CARBON BUSINESS LINES

Advisory

- Strategy and Master Planning: minimising risk and maximising value.
- Technology Consultancy for low Carbon options.

Capacity Building

- Knowledge and expertise while contributing to sustainable development.
- Design and implement training programmes.

Financial

- Brokerage/Trading: with access to various trading options for Certified Emission Reduction (CERs) and Voluntary Emission Reductions (VERs) credits.
- Work with financial institutions to provide unique and innovative financial solutions to the customer.

Development

- CDM Cycle Management: PINs, PDDs, Monitoring Reports, assistance of validation, registration, verification and issuance.
- Technology partners: established partnerships with recognised technology and equipment suppliers.
- CDM project development: origination and development of CDM projects in Africa.