



WISP

Western Cape Industrial
Symbiosis Programme

Delivered by GreenCape

Sarah O'Carroll – WISP Manager

Industrial Symbiosis in a Nutshell:

The Industrial Symbiosis Programme is a **funded** facilitation service which **connects** one company with others so that they can identify and realise the **business opportunities** enabled by exchanging / using unused or residual resources (materials, energy, water, assets, logistics, expertise) Essentially making business **more efficient** and **diverting waste** from landfill without compromising **profitability**



WISP in a Nutshell:

Funded by



CITY OF CAPE TOWN
ISIXEKO SASEKAPA
STAD KAAPSTAD

Delivered through



GreenCape

In collaboration with



International Synergies
industrial ecology solutions

How Does Industrial Symbiosis Work:

1. Build an **network** of manufacturing companies
2. Facilitate the exchange of **resource information** through Workshops and one – one site visits
3. Record and upload resources onto **SYNERGie™**, an online resource management system
4. Support implementation of resource matches, **synergies**, facilitating negotiations and providing technical expertise
5. Develop **summary reports** for implemented synergies
6. Measuring the **impact** of industrial symbiosis

Western Cape Industrial Symbiosis Programme

>500

Companies in the network

**>80%
SMEs**

>5000

Under-utilised resources identified

Key Performance Indicator	To Date (April 2013 - March 2017)	7 Year Projection (Assuming No More Synergies Completed)	7 Year Projection (Assuming current annual impact)
Value-added Waste	28,067 tonnes	13,930 tonnes	20,000 tonnes
Additional Revenue	R25.98 million	R43.12 million	\$3.5 million
Cost Savings	R19.13 million	R28.18 million	\$2.5 million
Private Investment	R640 000	R10 million	R20 million
Fossil GHG Savings	87, 500 tonnes CO ₂ e (11 2.2MW wind turbines)	213,800 tonnes CO ₂ e (27 wind turbines)	350,000 tonnes CO ₂ e (45 wind turbines)
Job Creation	25 temporary, 25 direct permanent, 124 economy-wide jobs	25 temporary, 25 direct permanent, 211 economy-wide jobs	50 temporary, 25 direct permanent, 300 economy-wide jobs

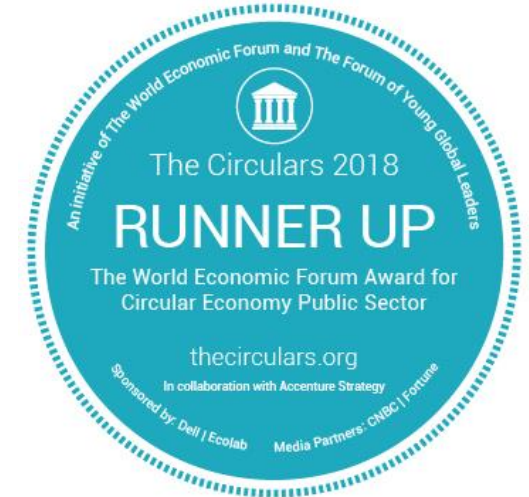
Western Cape Industrial Symbiosis Programme

Impact to date

For every R1 government invests in us we return R5 to our network in economic benefits

It costs us about R320 to divert a tonne of waste from landfill
(gate fees upwards of R500)

For every 190 tonnes of waste diverted a job is created in a member company



Eco-Logic Awards:
Silver: Recycling & Waste Management
Bronze: Climate Change

Institute of Waste Management of South Africa:
Chairman's Award for Exceptional Services Rendered



Thank You

wisp@greencape.co.za
021 811 0250



GreenCape

