



# **SWEDEN TEXTILE WATER INITIATIVE**

**Andrea Djurle**

Stockholm International Water Institute (SIWI)

SWEDEN TEXTILE WATER INITIATIVE

# GUIDELINES

for Sustainable  
Water Use In  
the Production  
and Manufacturing  
Processes of Textiles



**Collaborating to drive global change  
towards more sustainable and  
water wise textile and leather  
production at scale**



**SWEDEN  
TEXTILE  
WATER  
INITIATIVE**

HEMTEX



RNB RETAIL AND BRANDS  
POLARN O. PYREX | INTERO



BJÖRN BORG

gina tricot

INDISKA

NILSON GROUP



stadium

ellos



KappAhl



ÅHLÉNS

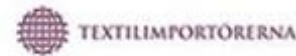
DIDRIKSONS 1913  
Grundsund SWEDEN

LINDEX

Acne Studios



Filippa K



VARNER

BESTSELLER

SWEDEN  
TEXTILE  
WATER  
INITIATIVE



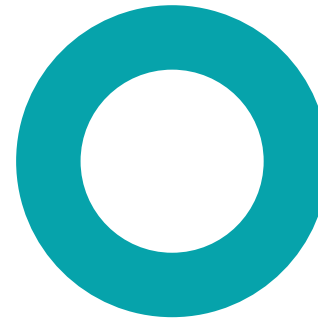
**2010-2012**  
Establishing  
STWI Network



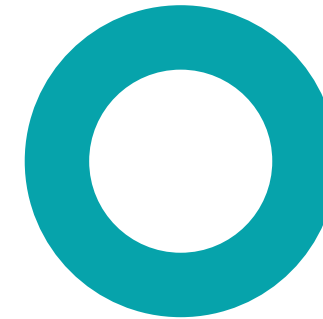
**2011**  
STWI Guidelines  
for textile and  
leather



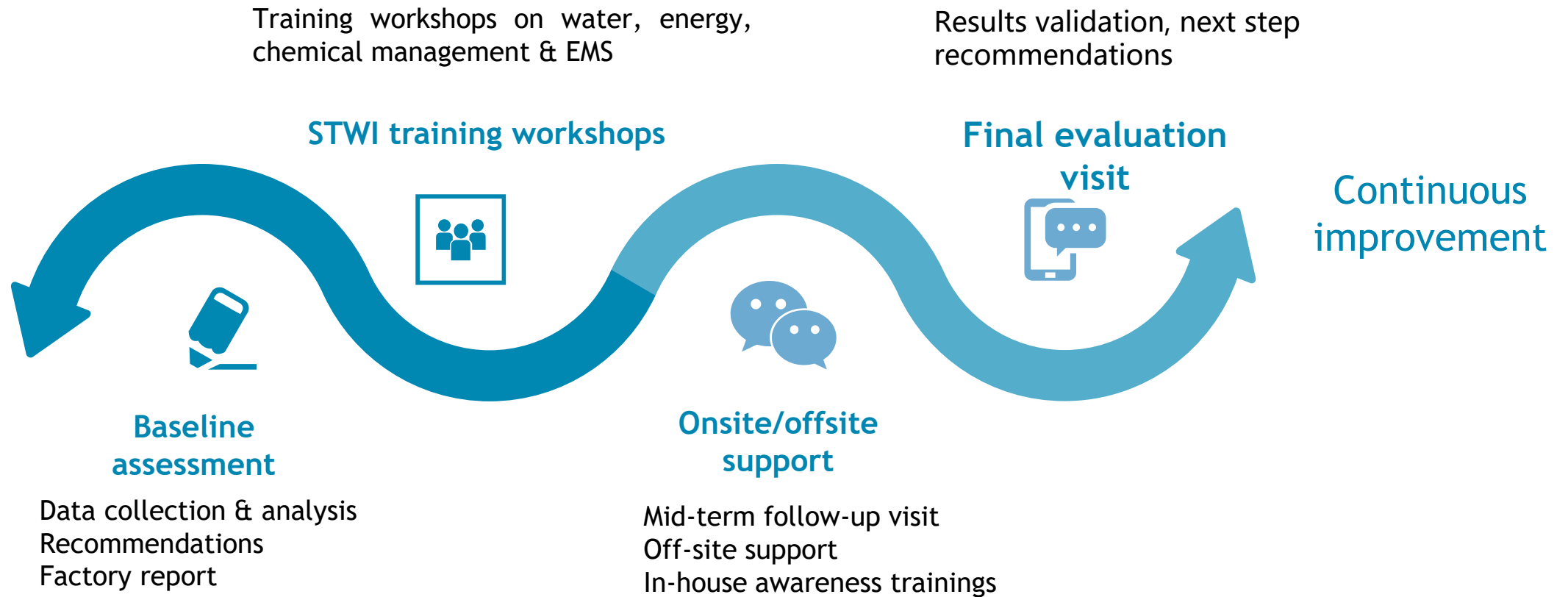
**2010-2012**  
Pilot in India



**2014-2017**  
Global program in India,  
China, Bangladesh, Turkey  
and Ethiopia



# STWI program cycle



# How: Improvement of environmental performance



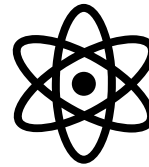
Build factory capacity on **WHY** they should change



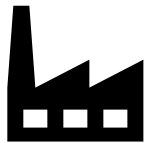
Collect, analyze, benchmark and report **performance data** for factories, brands, countries, and globally.



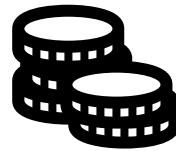
Build factory capacity on **HOW** they could change



**Onsite support on environmental change management:** water and waste water, energy, chemicals, solid waste, GHG emissions, productivity... etc



Provide onsite awareness trainings (management and on the factory floor to workers) and **technical support**



**Data sets:** Higg, ZDHC, STWI Best management Practices, Productivity KPIs, Resource Consumption, water circularity, financial metrics (Cost-savings, ROI, etc.)



# Results 2017

**SWEDEN  
TEXTILE  
WATER  
INITIATIVE**



## 17 PARTNERSHIPS FOR THE GOALS



**4 countries** covered in STWI  
**95 factories**  
**15 brands** with factories in the program  
**17 more brands** in the STWI network  
SIDA funded, Support from Swedish Government  
**Partnerships** with local stakeholders in all four countries

## 6 CLEAN WATER AND SANITATION



**5.2 million** cubic meters of intended savings annually  
= 1 day need of **104 million people**  
= annual need of **285,000 people**  
**11.5% reduction** in total water usage in production process

## 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Chemical usage reduction by **18,700 tons (11.8%)**  
**650 projects** completed during the project cycle  
100% factories improved in Best Management Practices related to **environmental management(EMS)**

## 7 AFFORDABLE AND CLEAN ENERGY



Electricity usage reduced by **39 million Kwh (10.1%)**  
Natural Gas usage reduced by **11.6 million cubic meters (11.7%)**  
Fossil Fuel usage reduced by **40,400 tons (3.3%)**  
Green House Gas Emissions reduced by **209,700 tons**

## 8 DECENT WORK AND ECONOMIC GROWTH

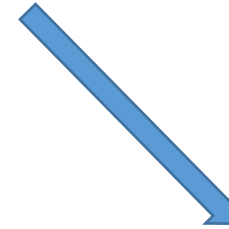
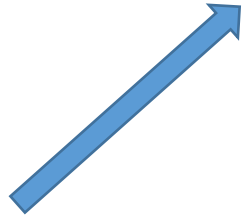


**>9300 workers** trained through awareness sessions in factories  
**530 management executives** trained through **15 workshops**  
**266 million SEK** invested by factories in long term projects  
**238 million SEK** saved by factories in operational costs  
Average ROI of projects within **15-18 months**



**Reduce, reuse, recycle**

- The value of water
- Optimisation of processes
- Investing in infrastructure in production countries



**Water governance**

- Towards policy makers
- Accessible standards + frameworks



**Transparency, Accountability, Participation**

- Consolidation of supply chains
- ETP/CETP to be part of the supply chain
- Include factories and communities