# Introduction to GOTS Monitor (Water / Energy) Tool



Prachi Gupta
Expert, Quality Assurance & Impact
Global Organic Textile Standard (GOTS)
<a href="mailto:prachi@global-standard.org">prachi@global-standard.org</a>

## **Environmental Management Criteria**



GOTS Version 5.0, Section 2.4.10 (Environmental Management Criteria)- Requirements for textile wet processing facilities:

Certified entities must have available and provide

- 1. Data on energy and water consumption per kg of textile output and
- 2. Targets and procedures to reduce energy and water consumption per kg of textile output

#### Both these requirements are covered by GOTS Monitor Water/ Energy Tool

- The tool determines actual performance and specific consumption values and provides realistic, factory-specific benchmark values that can be used both as improvement targets and milestones to monitor their progress.
- The revamped tool is free to use for GOTS certified textile companies.

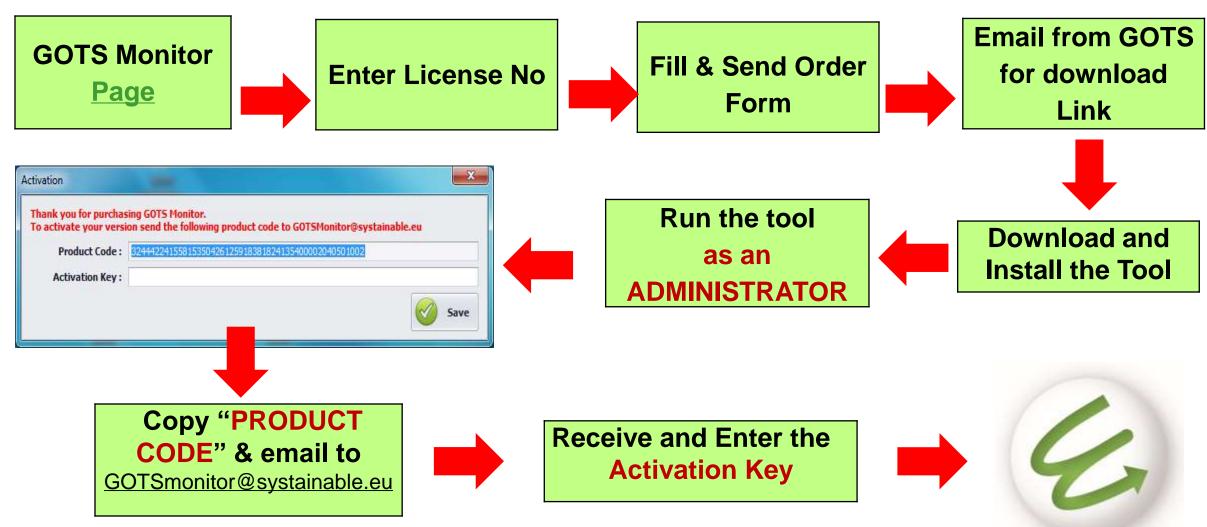
#### Features of GOTS Monitor W/E Tool (v 2.0)



- Is developed using state-of-the-art tools and methods
- It is user-friendly, stable, scalable, portable and robust
- Has a much simpler User Interface than Version 1.0
- Uses a much simpler activation and licensing scheme
- Includes enhanced processing methods and tools knowledge base
- Utilizes much more accurate and extensive benchmarking methodology
- As a result, GOTS Monitor W/E V2.0 tool allows for much better and accurate evaluation of the energy and water efficiency of textile manufacturing facilities.

#### **Installation Procedure**





#### **Different Sections in the W/E Tool**



- Production Data: Data on processes used, utilities such as Water, energy and Chemicals. (Units of water and units of energy consumed to produce one unit of textile output).
- **Dashboard**: Outcome of the data in graphical form. (efficiency)
- Profiler: Configuration of the activities, products, machines and utilities.
- Administration: Information of software.



## Configuration













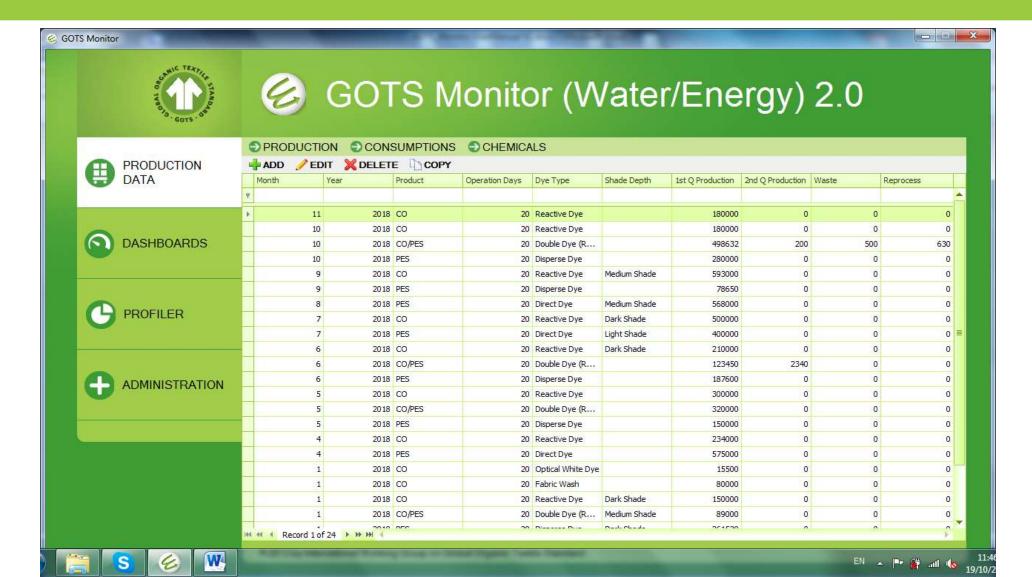
#### **Data-Monthly basis**



- Production Data
- Chemical Consumption data
- Utilities Consumption Data

#### **Production Data**





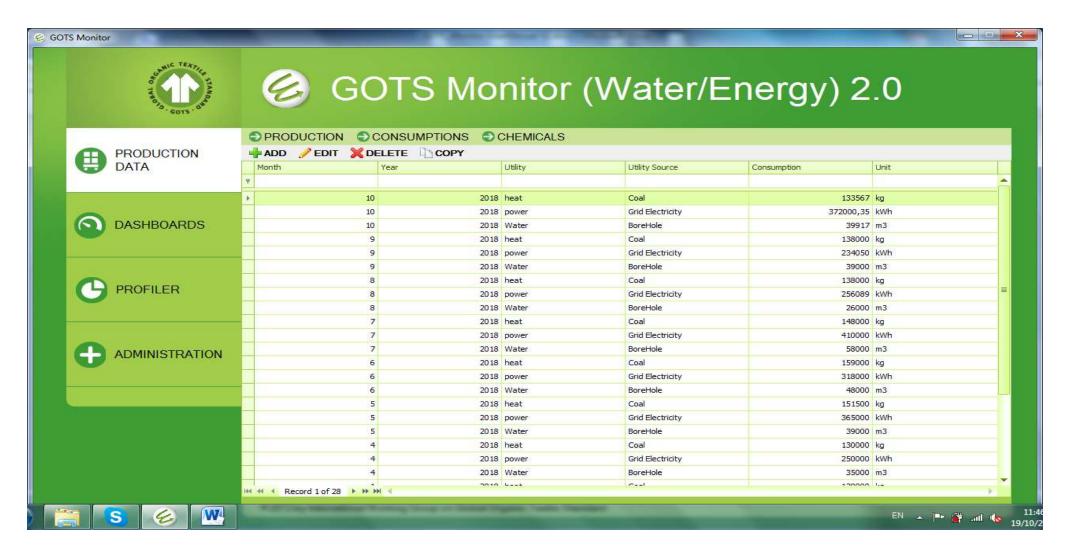
## **Chemicals Consumption Data**





#### **Utilities Consumption Data**





## **Categories of Analysis**



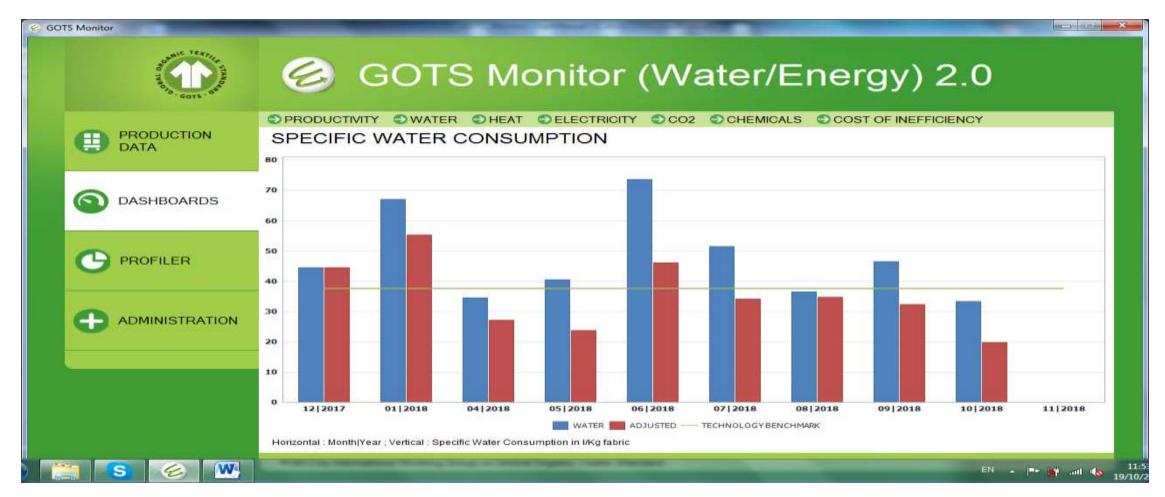
#### Graphical representation of monthly data for the below categories

- 1. Productivity
- 2. Specific Water Consumption in I/Kg of output
- 3. Specific Heat Consumption in MJ/kg of output
- 4. Specific electricity consumption in kWh per kg of output
- 5. CO<sub>2</sub> in kg CO<sub>2</sub>/ kg
- 6. Chemicals consumption in g/L
- 7. Cost of inefficiency

Note: Benchmark values rely on published data (see Annex G.5 of User manual listing the respective sources).

## **Specific Water Consumption**

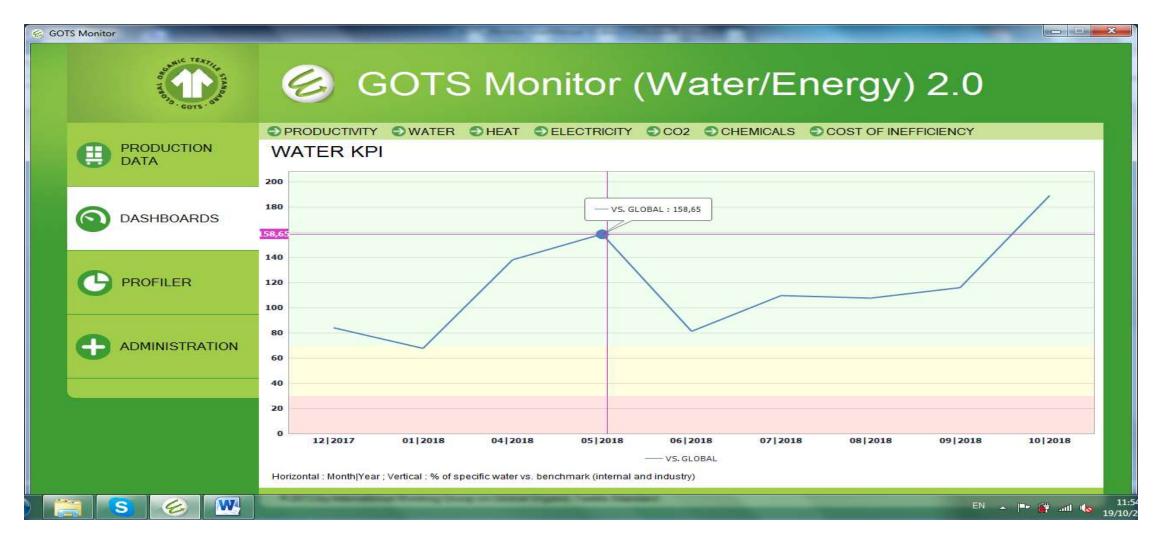






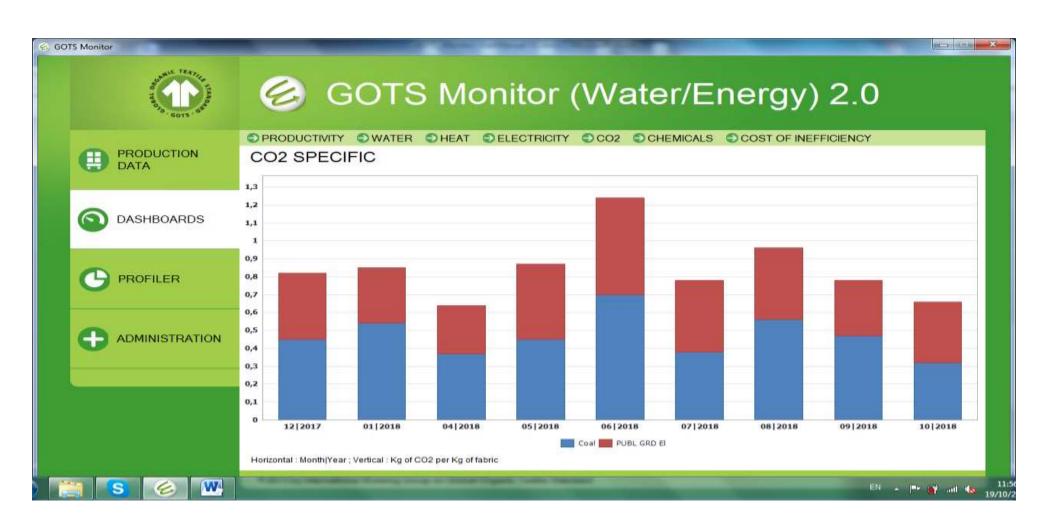
### Water KPI (Efficiency)





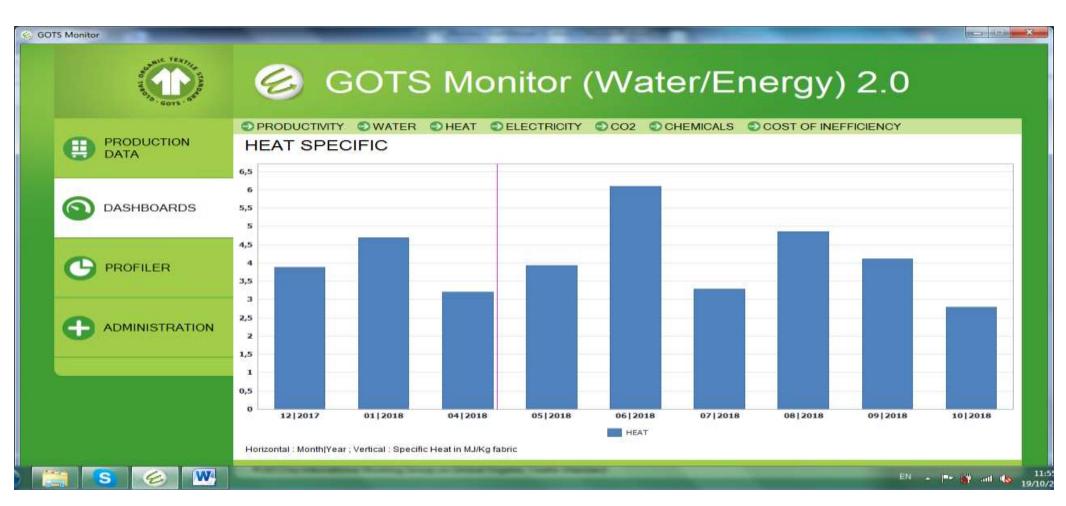
### **Specific CO2 Emissions**





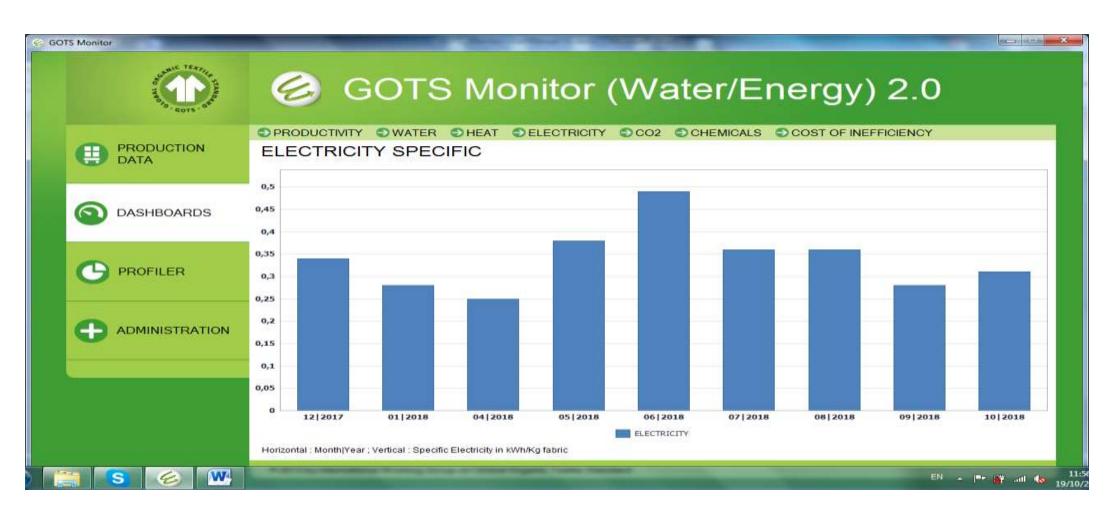
## **Specific Heat Consumption**





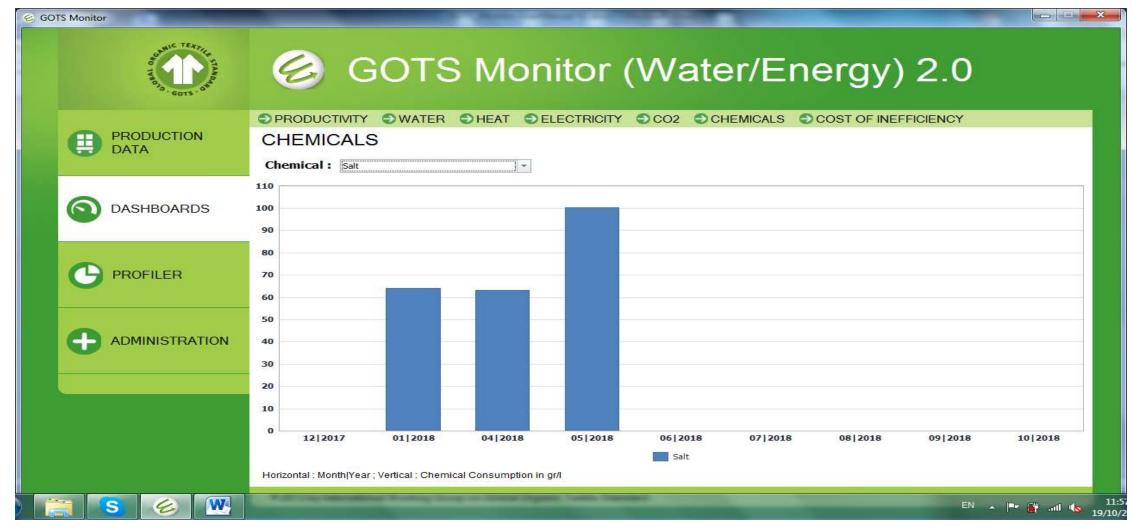
## **Specific Electricity Consumption**





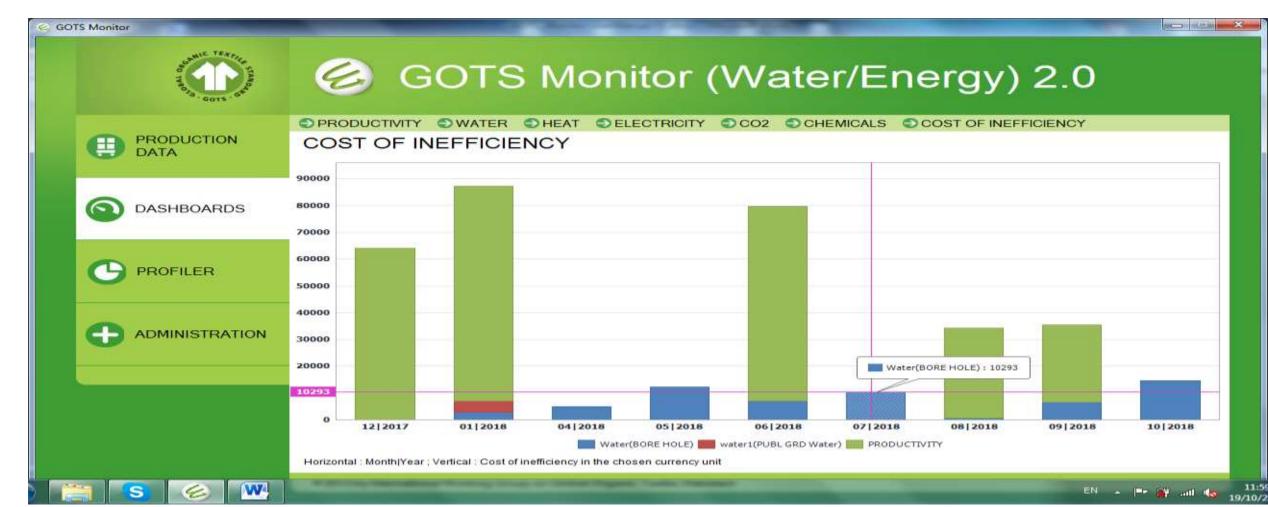
## **Specific Chemicals Consumption**





## **Cost of Inefficiency**





## Support





## **Support for GOTS Monitor Users (FREE)- Systainable Solutions Limited.**



#### Software Knowledge Base Updates

Annual Software updates will be released and distributed to the users free-ofcharge covering

- Major technological advance (knowledge base upgrade)
- GOTS Standard Revisions

#### Free Supporting Services for the Software Users

The following Support Services are available to the Tool Users:

- Support Hotline during Installation (email to GOTSmonitor@systainable.eu)
- Support Hotline (email to <a href="mailto:GOTSmonitor@systainable.eu">GOTSmonitor@systainable.eu</a>)



# Optional Services (PAID)- Systainable Solutions Limited.



In addition to the free-of-charge Tool License, Two optional Paid annual Service Levels will be available to the GOTS W/E Monitor users:

#### Service Level 1 includes

- Right to obtain new versions with new features (such as imports/ exports from/ to various 3<sup>rd</sup> party applications/ initiatives) that will be added to the tool as needed/ decided
- Annual Service Fee is €500/ annum per installed/ registered system license



# Optional Services (PAID)- Systainable Solutions Limited.



#### Service Level 2 includes

- Service level 1 and
- Monthly Analysis Services and personalized feedback (performance reports)
  with suggestions to improve, troubleshooting advise etc. Hereto, the user's
  database will be sent automatically to our central analysis server.
  Annual Service Fee amounts to €950 (level 1 is included)

To obtain the optional Service levels an email will have to be directly sent to GOTSMonitor@systainable.eu. Further instructions will be provided then.



## Thank you!

