



Set Goals

# Increasing the quality and quantity of water data

**Silicon Valley Campus:  
Implementing innovative and  
comprehensive water-saving  
measures**



# Creating intelligent water systems to unlock the potential of Smart Cities





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# “Rethink” water @ Nestlé

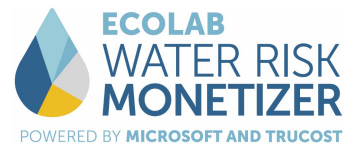
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Stockholm  
August 2017

# Our approach on water cost and valuation tools

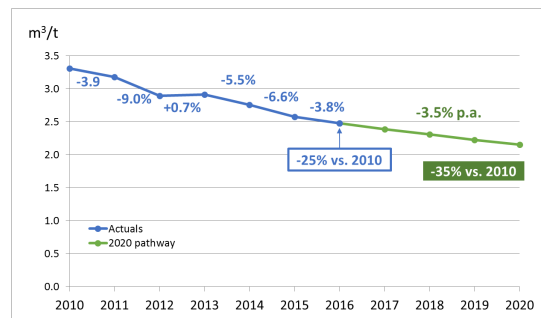
- We use our Notional Cost of Water
- We are currently testing the Water Risk Monetizer (Ecolab)
- We work with WRI on developing a method for assessing the «Cost of Water Stewardship»

$$NCW [CHF] = \text{Amount of Water } [m^3] \times 1 \frac{CHF}{m^3} \times CWSI [-]$$



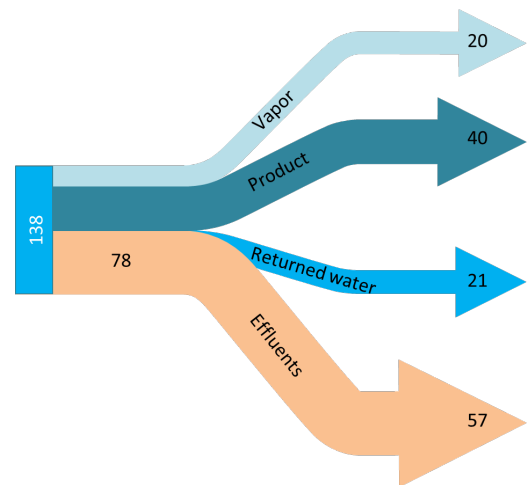
## «RRR» in our operations

- ❑ «Zero» water technology to decrease our water withdrawals, and reduce dependency from competed external water supply
  - ✓ Made of 3 phases (Ph 0,1,2)
  - ✓ **2** factories with this technology fully implemented, **5** are underway to full implementation, **10** are implementing at least phase 1
  - But CAPEX cost of water saved (CHF/m<sup>3</sup>) through this technology is very high (...do it where it really matters, compare vs cost of external collective action in same catchment)



# Quality management of process effluents

- ❑ To minimize any potential negative impact on surrounding nature and community, and favour downstream reuse
- ✓ Discharged effluent volumes are important volumes in our water mapping
- ✓ 287 on-site ETP
- ✓ Our internal NER fixes stringent water quality limits, applied beyond local quality regulations
- But Just few examples of direct reuse by neighbours...



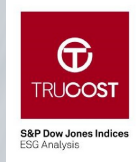




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Carlo Galli  
Technical Director Water Resources  
Nestle Corporate Operations



Rethink operations and activate aggressive water strategies to

- **optimize operations**
- **reduce costs**
- **enable reliable growth**

Learn from other industries

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Leverage data and analytics

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Make the business case

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Collaboration is essential