Thematic Process 4.5: Enhancing Education and Capacity Building

4.5.4 “Facing the changes in due time: Specific training for basin organizations”

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SUEN - Turkish Water Institute

Thursday 16 April, 14h40-16h40   Daegu EXCO, DEC_307 – 3F – Room 321
Session 4.5.4:
Facing the changes in due time:
Specific training of staffs and stakeholders of basin organizations is a prerequisite!

Daegu / ROK
The great success of the Forum which hosted more than 30,000 participants from 192 countries, awarded Turkey a new status, as a country with an important principal voice on water on a global scale.

The multifaceted knowledge gained by this forum became the basis of SUEN.
WHO WE ARE

• SUEN was established on 2 November 2011 (decree law 658 published in Official Gazette) as a special funded entity under the authority of Ministry of Forestry and Water Affairs.

• SUEN can be defined as a think tank that aims to develop short- and long-term strategies, national policies for good governance of water.

• SUEN works in close collaboration with national and international organizations on sustainable water management, development of water policies, sustainable energy issues and capacity building for the solution of local and global water problems.
• **SUEN** is established under the authority of Ministry of Forestry and Water Affairs, with a budget of its own.
SUEN’S ROLE IN TURKEY’S WATER MANAGEMENT

• Conduct and support scientific research to develop national and international water policies.

• Collaborate with national and international organizations and follow the recent developments through the studies, knowledge production and statistical activities.

• Organize national and international training programs.

• Contribute to national and international forums, conferences, meetings, seminars, symposiums, training programs.

• Carry out activities to enable cooperation among national and international water sectors and to collaborate in projects with institutions and persons distinguished in the water sphere.
**WHAT WE DO**

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SUEN delivered many training to various countries in different topics.

Portions of the trainings per continents:
- Asia: 50%
- Africa: 40%
- Europe: 10%
More than 500 participants were trained
There are 3 pillars for effective water conservation:

- Technology – Water saving technologies
- Economy – Rationale water tariffs
- Training – Public and stakeholder participation
PREPARATION OF RIVER BASIN MANAGEMENT PLANS

- PUBLIC AWARENESS RAISING
- STAKEHOLDER PARTICIPATION
- CAPACITY BUILDING AND TRAINING
  - Needed for successful implementation of the River Basin Management Plans (RBMP)
TRAINING AREAS

- Training is needed for:
  - Monitoring water quantity and quality
  - Monitoring of ecological status
  - Master planning (Program of measures – the economics)
  - Modelling use of the existing and developed models
  - Operation of treatment plants
  - Good agricultural and industrial practice
  - Etc.
TARGET GROUPS

- Ministries (central government)
- Local governments (municipalities)
- Water and Wastewater Agencies/Operators
- Industry
- Farmers
- NGO’s
**APPROACH OF TRAINING**

- Tailor-made – customized to the prior needs with practical and feasible solutions
  - The most advanced solution not always the optimal solution

- Create environment for continuous peer-to-peer knowledge exchange,
  - Global network with local ownership

- Study visits (hands-on demonstration) a must

- Phasing the training
TRAINING PHASING

INTRODUCTORY TRAINING & ORIENTATION
• The overall goal is to introduce best practices in water operators
• Acquaint w related fields

VOCATIONAL TRAINING
• This training concerns a training related to participants’ occupations
  e.g. Water treatment principles

EXPERTISE TRAINING
• A detailed training on specific topic
  e.g. Sludge stabilization

In line with the T-shaped Competency Profile applied by UNESCO-IHE
NETWORKING IN TRAININGS

DONORS (e.g. TIKA)

Financial Support

Global partnership

Global and Local Networks

COORDINATION AND LECTURES

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WATER OPERATOR A

Cooperation

WATER OPERATOR IN TURKEY (e.g. ISKI)

Cooperation

WATER OPERATOR B

Global partnership

Coordination

Financial Support

Global and Local Networks
CASE: ERGENE BASIN (TURKEY)

• One of the main tributaries of the Maritza River
• Transboundary river basin between Turkey, Bulgaria & Greece
• Springs out from Strandja Mountains and links with Maritza (Meric) River flowing to Gulf of Saros. The whole length of Ergene River is 238 km and its basin has 11,000 km².
• The water potential of Ergene River is 1.7 billion m³/yr.
Our Ministry has prepared a Basin Protection Action Plan for the Ergene Basin, where there is intensive residential and industrial development.

- In this basin, where 230,000 m³ of domestic wastewater per day is discharged into the Ergene River, domestic and industrial wastewater treatment plants are constructed and the river bed is rehabilitated.
- 12 new advanced wastewater treatment plants in the region
CASE: ERGENE BASIN (TURKEY)

- SUEN actively participated in the design of the wastewater treatments plants planned under the Ergene Basin Protection Action Plan.

- We also contributed by delivering hands-on trainings to the personnel expected to operate the plants.
An extensive training program was carried out in 2012 and 2013 involving 240 personnel of Azersu JSC.

The goal was to build the capacity of the young engineers and experts.
CASE: AFRICA

- By means of financial support by the Turkish Cooperation and Coordination Agency (TIKA) training programs are organized for African countries.

- Joint courses were organized facilitating interaction.
CASE: EUPHRATES-TIGRIS BASIN (IRAQ)

- As per a recently signed protocol, there will be training and knowledge transfer programs organized.

- Exchange of knowledge as the best way to get nations closer → trust-building.
CONCLUSIONS

• Ensuring the technical and financial self-sufficency of a River Basin crucial

• A governmental water training center «such as SUEN» as facilitator/coordinator has proven to be successful to fill the gaps in capacity development

• No one-size-fits-for-all approach for a capacity building program → analyzing/benchmarking the needs and tailoring thereto crucial
CONCLUSIONS

• Relatively small-scale training centers like SUEN can also great added value

• Training programs as the best way to build trust

• Firm training centres/institutions and strong networks imperative in solving global water issues.