



The 7th World Water Forum

12-17 April 2015, Daegu-Gyeongbuk, KOREA



Thematic Process 4.5: Enhancing Education and Capacity Building

4.5.3 “Ensuring sustainability of water infrastructures by investing in Water Training Centers : it pays back !”

Introduction of session 4.5.3
Mrs. Josiane MONGELLAZ
INWTC Secretariat

Wednesday 15 April, 14h40-16h40 Daegu EXCO, room DEC_307



The International Network of Water Training Centers was created in 2008, with the following main goals:

- => develop sharing of experiences between training centers
- => raise awareness about the importance of vocational training in the field of water and wastewater
- => make the issue taken into account by national institutions, donors and development banks
- => promote the creation of new water training centers

Founding members of the INWTC

Algeria ADE 	Benin SONEB 	Burkina Faso ONEA 	Burkina Faso 2iE 	France OIEAU 	
Kenya KEWI 	Laos CFME 	Lebanon CIFME 	Mali EDM SA 	Morocco IEA/ ONEP 	
Mexico CONAGUA 	Uzbekistan SIC ICWC 	Poland GFW 	Togo TDE 	Tunisia CITET 	Vietnam CNEE 

Regional Networks in Western Africa and Mediterranean region



Huge investments for infrastructures are made in the water sector each year, even though they are still not sufficient.

- **SOMETIMES**, these investments do not fully achieve their targets, resulting from various design mistakes.
 - **OFTEN**, infrastructures are quickly deteriorating due to **deficiencies** in the way they are managed and run
- ⇒ Those situations can result in a considerable **waste of funds**.

***Building competencies for water and wastewater staff
is a necessity all around the world!***



Continued professional training is an essential tool for boosting water and wastewater services' efficiency.

⇒ Labor cost for water and wastewater services can reach up to $1/2$ of the total cost of WWW services

⇒ All categories of staff are concerned. Hierarchical repartition may varies between managers/engineers, technicians and field staffs, but everywhere manual workers constitute the main category.



Competencies and professional capacities for managers, technicians and field workers should be permanently developed:

- ⇒ Consider training as a key-issue for Human Resources Development
- ⇒ Elaborate systematically long term Training Plans
- ⇒ Combine evolution of competencies and career advancement

***Professional training is a productive investment.
It must be considered as such in development projects.***



It is important to mobilise specialized training centers with the appropriate capacities to :

- ⇒ Elaborate a real “**Training engineering**” strategy
- ⇒ Establish **Terms of Reference** for training sessions , with quantifiable requirements on quality, professionalism and efficiency
- ⇒ Develop specific training for manual workers
- ⇒ Define **Performance Indicators** in order to evaluate the impact of training.

Vocational training is a real profession.

Estimated lead time (min)	Description of items/presentations	Confirmed speakers
10	Opening speech	Mrs. Josiane MONGELLAZ , INWTC Secretariat
40	1 st round table of panellists Professional training needs and evolutions in water utilities	<ul style="list-style-type: none"> - Mr Rahid FATALIZADE, AZERSU, Azerbaijan 5 mn - Mr. Ramon MASIP, AGBAR, Spain 5 mn - Mr. Alfredo OCON, Mexican Institute of Water Technology.Mexico 5 mn - Mr Zbigniew SOBOCINSKI, Gdansk Water Foundation, Poland, 5 mn - Mr. Daniel MARCOVITCH, Member of Global Water Operators Partnership Alliance. GWOPA
10	Questions & answers with the audience	- Mr. Joseph PRONOST IOWater
40	2nd round table of panellists Creation and sustainability of professional water training centers	<ul style="list-style-type: none"> - Mr. Asief ALLI, Rand Water, South Africa 5 mn - Mr. Newton de LIMA AVEZEDO, HYDRUS São Paulo Brazil 5 mn - Mr. Joseph PRONOST IOWater 5 mn - M. LEE BYUNGKOOK, Korea Environment Institute, South Korea 5 mn - Mrs Cassilde BRENIÈRE, AFD, France
10	Questions & answers	- Mr Zbigniew SOBOCINSKI , Gdansk Water Foundation
10	Synthesis and closing	Mrs. Josiane MONGELLAZ , INWTC Secretariat Mr Zbigniew SOBOCINSKI , Gdansk Water Foundation



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Thank you for your attention!

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Conclusion of session 4.5.3

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Conclusion – Implementation Roadmap

<p>4.5.d: By 2030, develop programs of training of water supply and waste water services managers, engineers, technicians and manual workers,</p>	<p>Analysis of training needs and production of training plans in water utilities.</p>	<p>05.2015-05.2018</p>	<ul style="list-style-type: none"> • INWTC, 2iE - International Institute for Water and Environmental Engineering (Burkina Faso), KWF - Korea Water Forum • Water utilities associations
	<p>Develop existing global networks of water training centers and support the development of regional components.</p>	<p>05.2015-05.2018</p>	<ul style="list-style-type: none"> • INWTC, 2iE - International Institute for Water and Environmental Engineering (Burkina Faso), KWF - Korea Water Forum, International donors.
	<p>Support to the creation and development of water training centers.</p>	<p>05.2015-05.2024</p>	<ul style="list-style-type: none"> • DG group members, • International donors.