

Theme 8 closing Session
Thursday 22nd of March, 16h30-18h00

Topic 8.a. "Enhancing education & capacity building – IR 4.5"

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Topic 8.a. “Enhancing education & capacity building – IR 4.5”

Key political messages: information

3 sessions

- **8.a.1: Information and training for decision makers**
- **8.a.2: Education and training on water are not costs but investments**
- **8.a.3: Wanted Skilled Labour, the urgency to develop water training**

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Key political messages: information

- Support the creation and development of water monitoring networks,
- Support the creation of Water “Information Systems” (WIS),
- Process data into intelligible information, usable for the decision-makers, for instance by mobilizing visualization tools (GIS, charts, etc.),

Strengthening capacities for data and information management



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Key political messages: training

- Integrate vocational training into investments : circular process.
Money for water that create **economic added-value**:
 - For a company, training of the staff = **competitiveness/comparative advantage**, with best services and products in the market
 - For public organization, training of the staff in the design, operation and maintenance of infrastructures= **optimization of the infrastructures use throughout their planned lifespan**
- Develop skills and increase the number of **skilled workers** in the fields of water supply and sanitation
- Test, assess and exchange **know-how** relating to vocational training.

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Key political messages: training

- Produce **national strategy** for training for water professionals at all levels
- Develop the offer of training and education programs specifically aiming **women, children and the youth** is required
- Education, awareness raising and capacity building on water issues should be promoted **at all levels** (wide range : citizens to decision-makers) to reduce inequalities and mobilize civil society.
- Cross-sectoral training programs:
 - Staff of basin organizations on the basics skills of water and sanitation utilities, and vice-versa
 - Staff of the water sector need to be trained on energy and agriculture, Staff of the energy sector need to be trained on water and agriculture, etc

Topic 8.a. “Enhancing education & capacity building – IR 4.5” Financing training...pays back !

- Set up sustainable financial mechanisms:
 - Percentage of infrastructure investments dedicated to training,
 - “Earmarked Funds” for vocational training (taxes, percentage of the organizations’ payroll, percentage of the water sale price),
 - Percentage of the companies’ budget dedicated to training (minimum of 1% of the total payroll).
- Integrate such mechanisms in the Official Development Aid (with a dedicated percentage of the volume of the funds)

TRAINING: it’s perfectly proven.
NOT A COST: AN INVESTMENT!



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Training and job creation

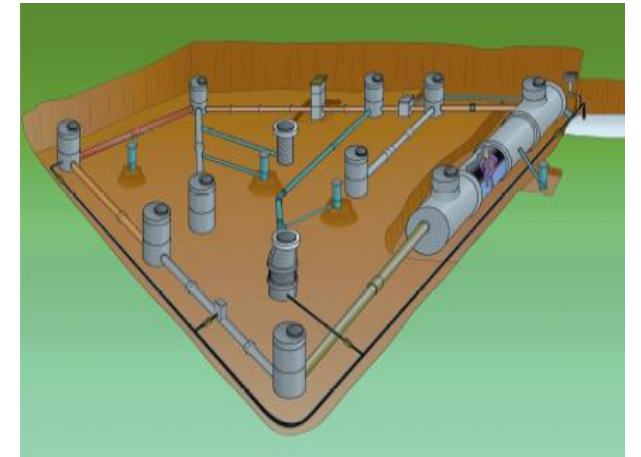
- Socio-economic aspects of education and training for all levels of qualifications, with water jobs:
 - ≈70%= field operators that require specific training (leakage control, flow metering, drip irrigation, etc.),
 - ≈15-20%= technicians/supervisors that requires management capacities
 - ≈5-10%= CEO and top level officials that requires management + strategic planning skills

	Managers	Technicians & supervisors	Manual workers
Emerging and developing countries	1 – 5%	10 – 15%	80 – 89%
Industrialized countries	5 – 15%	25 – 30%	55 – 70%

Topic 8.a. “Enhancing education & capacity building – IR 4.5” Training and job creation



- Vocational training for water jobs must be strengthened. It should be supported by **sustainable financial mechanisms** and by the creation and development of national or international specialized **training centers**.
Practical on the job training on infrastructures!



Topic 8.a. “Enhancing education & capacity building – IR 4.5” Financing training: it pays back!

- It is important to support job creation in the water sector and to build capacities and expertise in water management, including irrigation, fish farming, hydropower, drinking water supply and sanitation.

**One moto:
Train, retrain, retain!**

Thank you for your attention!

Dr Eric Tardieu
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Organization



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