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**Swiss Cooperation Office Albania**  
**Swiss Cooperation Office Macedonia**

# Swiss supported initiatives in the Drin-Basin

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# ALBANIA



Climate-Friendly Growth: Renewable Energy



Improving Urban Infrastructure: Water Supply





# Drin River Cascade Rehabilitation Project-Fierza

## Swiss Contributions



**Objective:** To rehabilitate 4 large hydropower plants out of 5 on the Drin and Mat rivers and to ensure their sustainability in order to enable the country to cover its home demand and to export any excess power.

**Swiss grant contribution** was focused on the delivery of hydro-mechanical equipment for the Fierza hydro power plant (HPP).

**Energy-Fierza HPP:** Swiss contribution to rehabilitation of Fierza HPP, with around **CHF 12 million grant**, brought **tangible results**, evaluation 2010:

- a. Effectiveness of Impact: rehabilitation of Fierza HPP was worth \$96 million annually in KESH electricity revenues;
- b. Improved reliability of energy generation: number of forced outages hours per day declined sharply from 8,6 in 2001 to 2.5 in 2008;
- c. Efficiency of water use improved 3-4%;
- d. Lifespan of turbines extended up to 25 years;
- e. Indirect CC benefits can be attributed through avoided GHG emissions that would have been caused by imported electricity, according to evaluation of 2013.







# Dam Safety Project: Drin & Mat River Cascades

## Swiss Contributions

**Objective:** It aims at assisting the relevant Albanian Institutions (AlbCOLD) & KESH in raising the safety of the dams at Drin and Mat Rivers Cascades to European standards.

**Swiss grant contribution of €4.3 million** is focused on: (a) dam safety monitoring system; (b) rock fall prevention measures, (c) internal emergency action plan.

### Effective Results:

- a. Swiss funded feasibility study of €1 million triggered other donors to use it as basis for their own future projects of around €50 million;
- b. KESH operates Dam Safety monitoring system in line with set standards, which guarantees 95% of Albania's installed green energy capacity;
- c. Dam Safety monitoring system is operational;
- d. Rock fall protection in place;
- e. Swiss Added Value: highly professional expertise: priority niches, complementarity.





# Water Supply: Pogradec, Shkodra, Lezha Cities

## Swiss Contributions

**Objective:** Improved and sustainable access of the population in Pogradec, Shkodra & Lezha cities to safe drinking water at socially acceptable and cost-covering tariffs and adequate sanitation, while utilities' performance is improved.

**Swiss grant contribution of € 25 million** is focused on: (a) corporate development activities; (b) Investment measures.



### Effective Results:

- a. 54'000 citizens in Pogradec city have clean water around the clock;
- b. Pogradec water utility operates at full cost recovery;
- c. Sustainability: (i) Health-protection of water resources has been one of the cornerstones; (ii) Environment-protection of Ohrid lake from the adverse effects of waste water discharges improved significantly; (iii) Social: the municipality supported to cover increased tariffs for the vulnerable groups.
- d. Work in progress: Shkodra and Lezha cities.





## MACEDONIA



Environmental protection: Integrated Watershed Management



Capacity building and awareness raising



Improving infrastructure





# Restoration of the Lake Prespa Ecosystem

## Objective

- Contribution to the improvement of lake Prespa's ecological state and enhance its resilience.

## Outcomes

- Water and soil qualities in the watershed of lake Prespa have improved
- Improved performance of authorities at national and local level in sustainable Watershed Management

**Partners:** Municipality of Resen and UNDP

**Budget:** Swiss contribution: CHF 6.7Mio (€ ~5.3Mio)  
Local contribution: CHF 350'000 (€ ~280'000)

**Duration:** July 2012 – June 2018

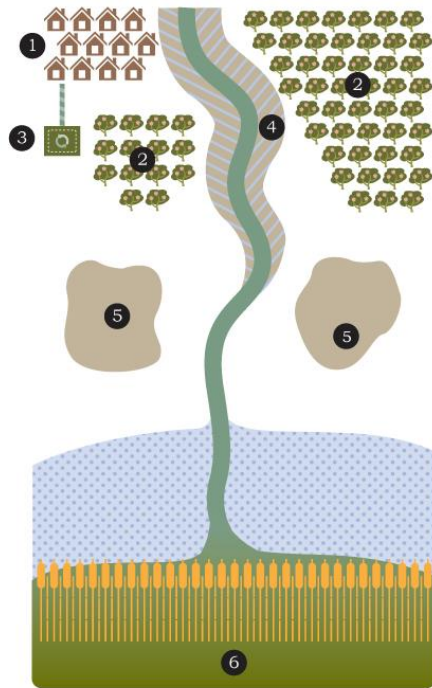




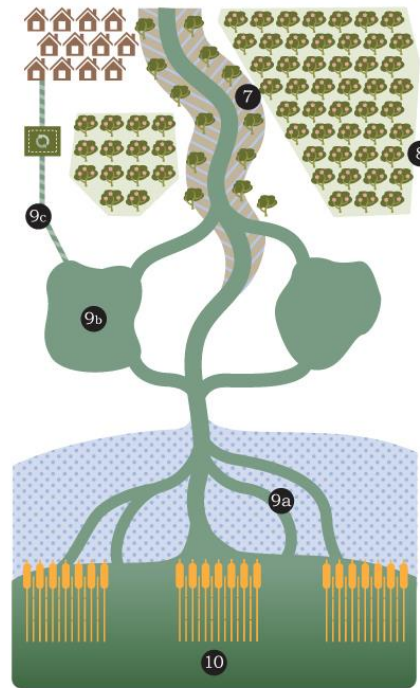
# Restoration of the Lake Prespa Ecosystem

## What are we doing about it?

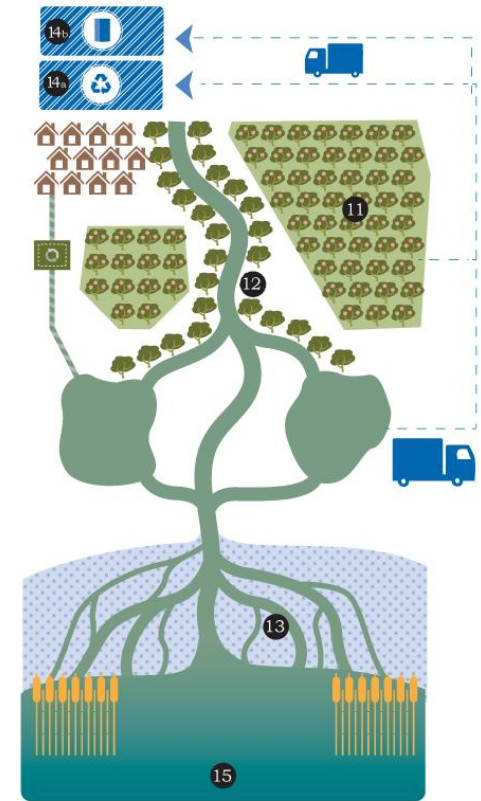
## An Integrated Approach to Restoring Lake Prespa



- 1 Settlements
- 2 Farmland
- 3 Wastewater Treatment Plant
- 4 Eroded land
- 5 Abandoned fishponds
- 6 High lake eutrophication levels



- 7 Erosion control works – reforestation/afforestation and control of torrents
- 8 Agroecological farming practices
- 9 Wetland restoration
  - a-River delta restoration
  - b-Turning fish ponds into viable wetlands
  - c-Tertiary treatment of wastewaters
- 10 Considerable reduction of pressures to the lake



- 11 Agroecological and organic farming
- 12 Regeneration of the riparian vegetation
- 13 Functional wetland providing safeguarding against upstream pressures
- 14 Better management of agricultural waste
  - a-Excess biomass transformed into compost (1000 tons/year of compost will be returned to farmland)
  - b-Safe disposal of agrochemicals packing
- 15 Restoration of Lake's ecological functions





# Other Projects in the Drin Basin – MK

## *Ongoing Projects*

### **Public Utility Coaching Project**

- Support to the corporate development of the Public Utility Proaqua (covering cities of Ohrid & Struga) and the Public Utility Proleter (Resen)
- Budget: CHF 110'000 (€ ~90'000)
- Duration: 2012 – 2015

### **Integration of the Environmental Education in the Macedonian Education System**

- Awareness raising in ALL schools and kindergardens, curricula development, teaching material development, capacity development of teachers
- Budget: CHF 6.8Mio (€ ~5.4Mio)
- Duration: 2005-2015



# Other Projects in the Drin Basin – MK

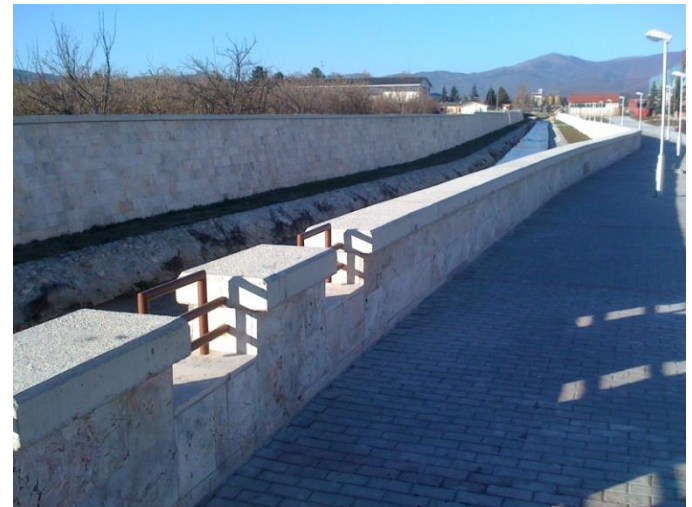
## *Completed Projects*

### **Biodegradable Waste Management System in the Prespa Region**

- Budget: CHF 800'000 (€ ~635'000)
- Duration: 2011 - 2013

### **Restoration of Golema River**

- Budget: CHF 2'250'000 (€ ~1.8Mio)
- Duration: 2006 - 2011





## Other Projects in the Drin Basin – MK

### Rehabilitation of 7 Pumping Stations on the Main Waste Water Collector Ohrid-East

- Including new dewatering sludge press and laboratory equipment for the WWTP
- Budget: CHF 1'000'000 (€ ~790'000)
- Duration: 2006 – 2010







Faleminderit  
благодарам  
Thank you very much