



Reflection on the achievements and lessons from the SWITCH urban water management initiative in Lodz

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5th SWITCH Scientific Conference

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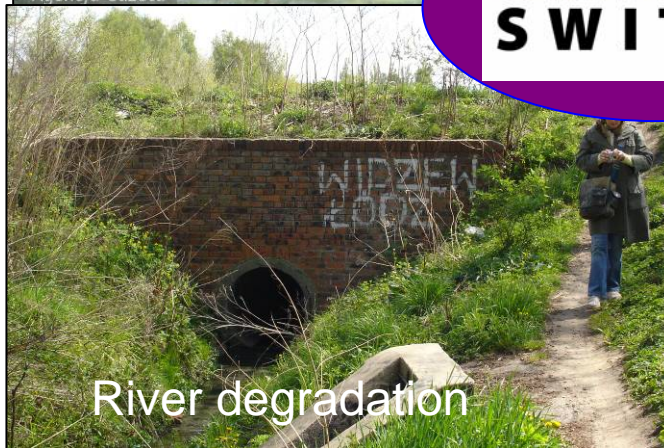
European Regional Centre for Ecohydrology / UNESCO, Poland





SWITCH in Lodz

Water Issues in Lodz





SWITCH in Lodz

Intervention Logic

Improved monitoring and understanding of ecological and hydrological processes will lead to better comprehension of the role of rivers within management institutions and better designed management interventions

European Regional Centre for Ecohydrology / UNESCO, Poland



United Nations Educational,
Scientific and Cultural organization





SWITCH in Lodz

Intervention Logic

Urban water management demonstrations based on ECOHYDROLOGY principles and a system approach will lead to more effective and sustainable solutions that minimise environmental impacts

European Regional Centre for Ecohydrology / UNESCO, Poland





SWITCH in Lodz

Intervention Logic

Linking city stakeholders better to research at all stages , and better linking researchers to city planning and decision making processes, will lead to the identification of more effective research topics and science results that are more widely used within management agencies





SWITCH in Lodz

Value of SWITCH:

SWITCH has shown that there are alternative future scenarios that capitalize on the city's green spaces and water instead of being a container port. **(Prof Zalewski)**

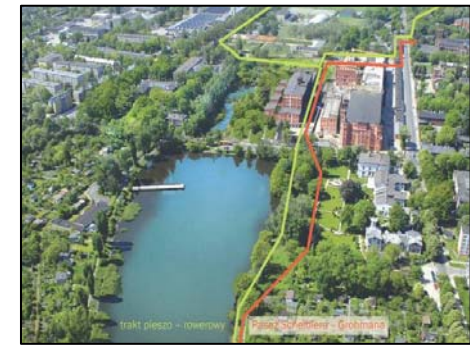




SWITCH in Lodz

Value of SWITCH:

SWITCH brings technical innovations and the learning alliance has provided a chance for different city organizations to communicate and align their activities. SWITCH has given access to funds. It has allowed the department to implement more comprehensive plans and avoid long delays. There is a clear time line, budget and activities in SWITCH, so there is an impetus for moving ahead despite the political process. It has also provided international examples, which can be used to inspire and inform people in the city. **(City of Łódź Office)**

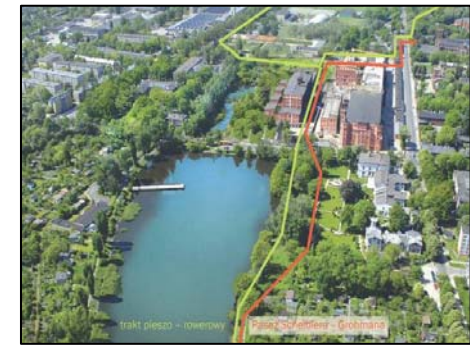




SWITCH in Lodz

Value of SWITCH:

Łódź Infrastructure Company is responsible for water supply and sewerage infrastructure From the beginning, we saw SWITCH as an opportunity to share our technical knowledge and experience, and provide information about our investments and plans. ..SWITCH also contributes to the city's future... because it puts ... water and rivers on the city agenda. (Łódź Infrastructure Company)





SWITCH in Lodz



Value of SWITCH:

Before SWITCH, we looked at water management mostly from a legal perspective. We have legislation regarding water supply, water quality and sewerage treatment, but implementation of laws is still weak . We became interested in the links between the regeneration of public spaces in Łódź and water. Water can really contribute to the quality of the city. SWITCH gave us information regarding sustainable development. Ideas about re-naturalisation of water and the Blue-Green network have impacted on our work on spatial and strategic planning. Water and green spaces will contribute to sustainable innovations, solving social problems and local development. Elements from SWITCH visioning have been included in our strategic documents. Rivers will be the main element of the image of Łódź in our territorial positioning strategy. **(Department of Strategy and Analysis)**



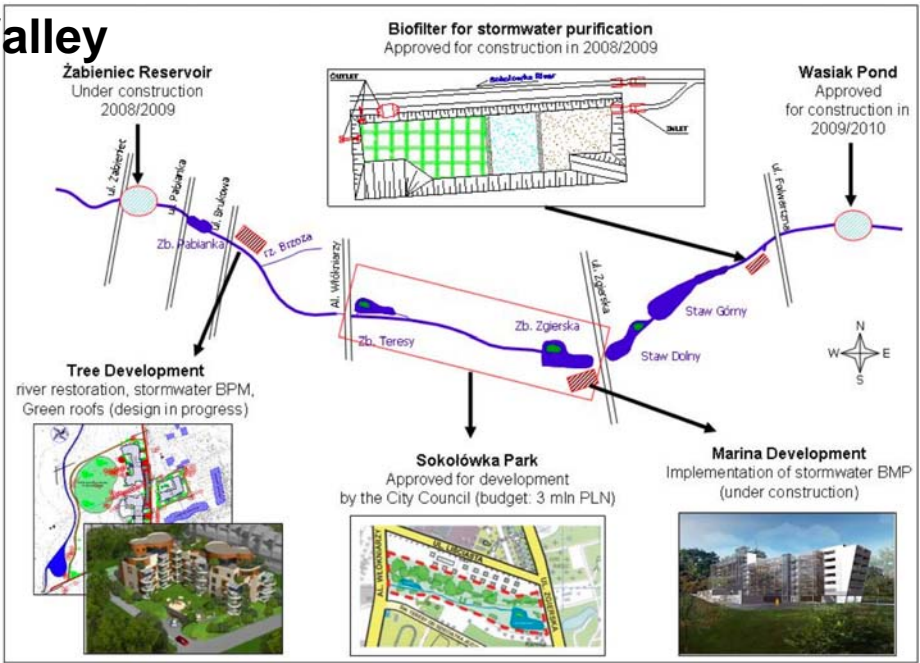


SWITCH in Lodz

Pilots



✓ Revitalisation of the Sokołowska Urban River Valley



✓ Using sewage sludge to grow energy crops





Learning Alliance in Lodz

Who is Learning Alliance?



The Lodz Learning Alliance (LA) was launched in May 2006. The group of members is constantly growing and the LA has now a wide representation of stakeholders from the national, regional and local levels. The key partners on the City level are:

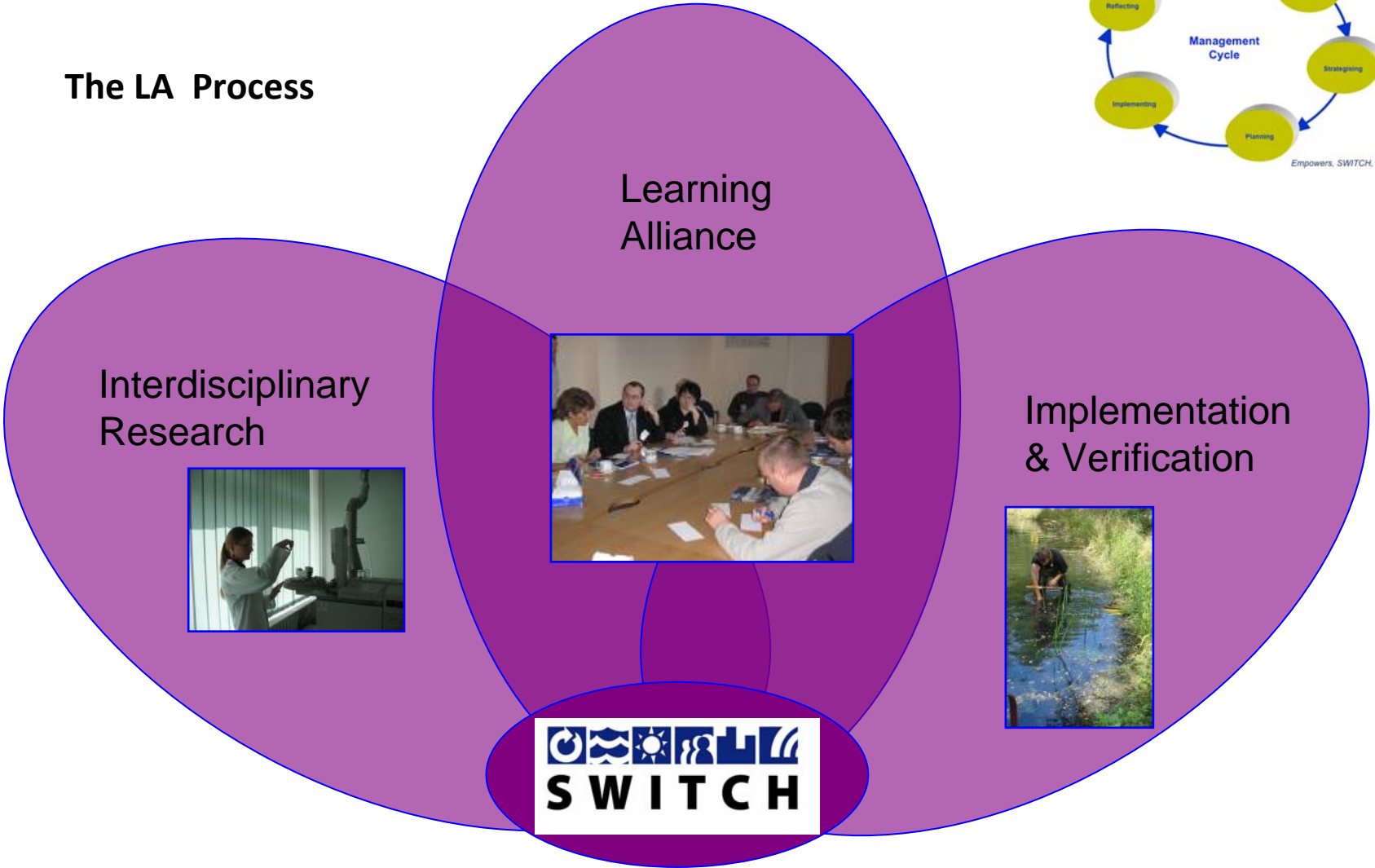
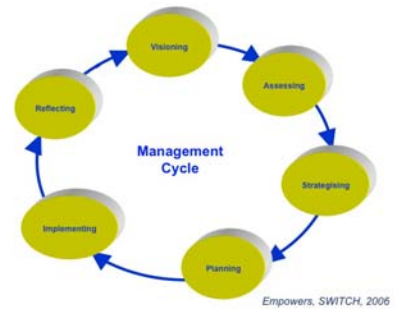
- Authorities:**
- City of Lodz Office
 - Lodz Infrastructure Company (LSI)
- Researchers:**
- University of Lodz
 - European Regional Centre for Ecohydrology u/a of UNESCO, PAS
 - Lodz Technical University: Department of Environmental Engineering
 - Nofer Institute of Occupational Medicine in Lodz
- Service Providers:**
- Waterworks and Sewage Systems Company (ZWIK)
 - Waste Water Treatment Plant (GOS)





Learning Alliance in Lodz

The LA Process



Interdisciplinary Research



Learning Alliance



Implementation & Verification





Learning Alliance in Lodz

LA Achievements and the way forward

- Common Vision
- Strategic Document
- Recognition & Impact in the City
- Integrated Voice towards changes and implementations
- Linking SWITCH to Integrated Revitalization and profiling river/ecosystem restoration and one of the foundations of the local Restoration Economy



**VISION: LODZ 2038
 LODZ USES ITS WATER WISELY**

- The city's resources management is based on an efficient and integrated system ensuring access to information for all.
- Investors and authorities respect ecological properties of land and waters.
- Infrastructure serves the functions and requirements of an environmentally secure city, is reliable, meets the needs of all the city's population and assures good status of aquatic ecosystems.
- Green areas - river valleys along open corridors – provide space for recreation and are the 'green lungs' of Lodz.
- The population's common and in-depth ecological awareness contributes to exceptional quality of life.
- Our city is a leading centre for innovation, education and implementation in Poland.

