

SWITCH BH

Environmental sanitation for all with popular participation: this is the challenge



PREFEITURA DE
BELO HORIZONTE



UFMG

. Public water supply:

100% of the population is served;

. Sewage Collection System:

92% answered; 200 thousand people without collection;

. Garbage Collection:

95% answered; 100 thousand people without collection;

. All the streams polluted;



PREFEITURA DE
BELO HORIZONTE



LA's MAIN GOAL:

At the end of the project, population, included in the discussion, will have gained consciousness about the problems related to URBAN WATER.



PREFEITURA DE
BELO HORIZONTE



UFMG

What's been done:

- ✓ Searching partners
- ✓ Visiting offices
- ✓ Website development
- ✓ Newspaper development
- ✓ Exchange visits, workshops and courses
- ✓ Presenting SWITCH in various events
- ✓ Meetings, meetings, meetings....

What is difficult:

- ✓ to bring engineers to discuss with people!!



PREFEITURA DE
BELO HORIZONTE



UFMG

What's been done:

- ✓ Development of a website and a newspaper (great tools!)
- ✓ Lectures: to introduce SWITCH and its objectives to new groups. In general using slides about the other SWITCH cities, about climate changes, about the importance on discussing and changing paradigms in water management.
- ✓ Technical presentations: a power point presentation with draws and diagrams shows new ways on urban water management. Schematic wetlands and rainfall collectors are showed to simplify understanding.
- ✓ Group dynamics: for some groups, after the first contact with the project, we do some kind of dynamic to firm knowledge and to continue capture interest.



PREFEITURA DE
BELO HORIZONTE



- ✓ Children activities: games and competitions about water themes.
- ✓ Movies: in special occasions/situations, to make the learning lighter and cooler, we show movies about water/ environment/ climate changes...
- ✓ Events: all commemorative dates related to water and the environment are opportunities to organize a festive event and reinforce SWITCH objectives: World Water Day, Environment Day, Tree Day, the beginning of the Spring, institutional seminars. etc



PREFEITURA DE
BELO HORIZONTE



LEARNING ALLIANCES

A way of making knowledge public, and allowing, in the decision making, the inclusion of different partner's points of view.



PREFEITURA DE
BELO HORIZONTE



LA's in BH: the proposal

Sharing knowledge around the areas where SWITCH experiments took place and with the companies that are executing public interventions:

Pedro Guerra Municipal School

Anne Frank Municipal School

Lagoa do Nado Park

Productive Garden



PREFEITURA DE
BELO HORIZONTE



Besides combining efforts with other projects...

- ✓ **Municipal Committee of Climate Changes and Ecoefficiency;**
- ✓ **Participatory Budget;**
- ✓ **IGAM;**
- ✓ **Velhas River Basin**



**PREFEITURA DE
BELO HORIZONTE**



UFMG

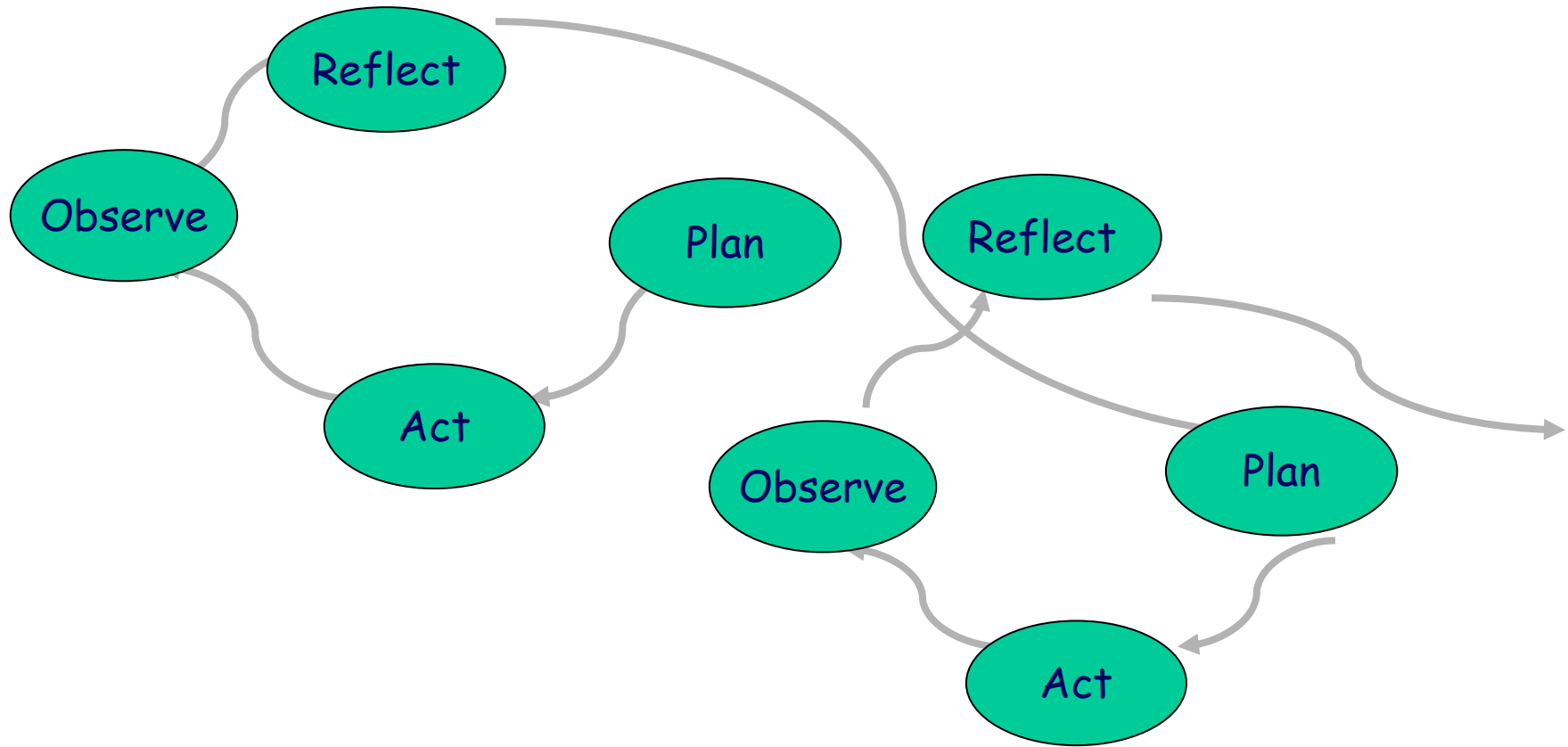


PREFEITURA DE
BELO HORIZONTE



UFMG

Typical steps of the LA's represented as a cycle

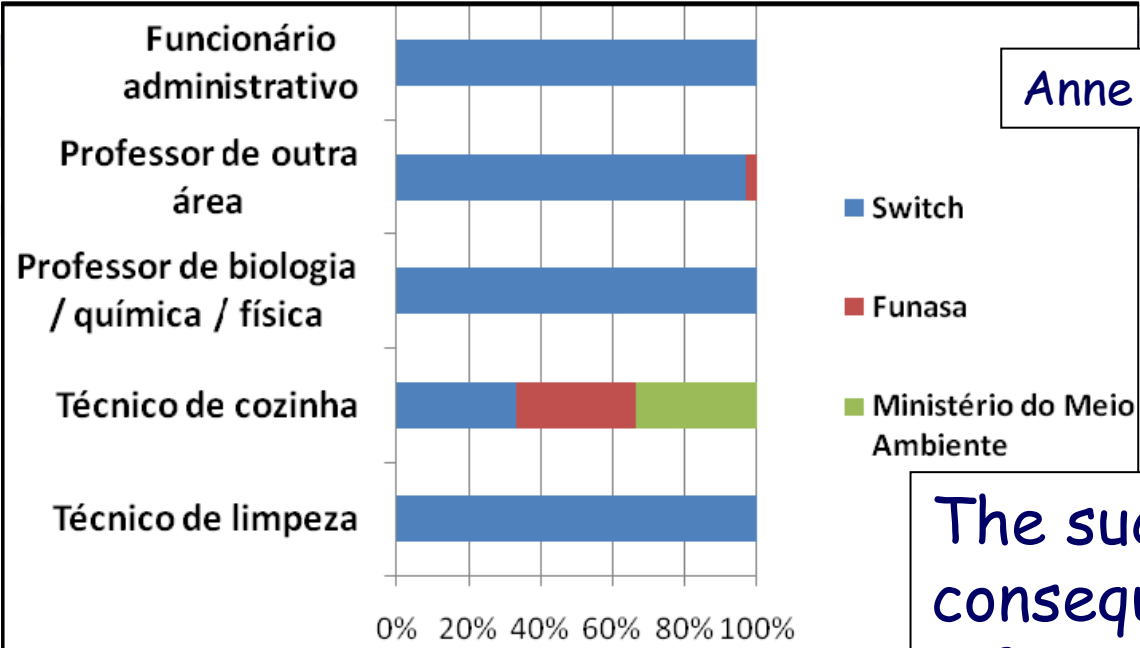


PREFEITURA DE
BELO HORIZONTE



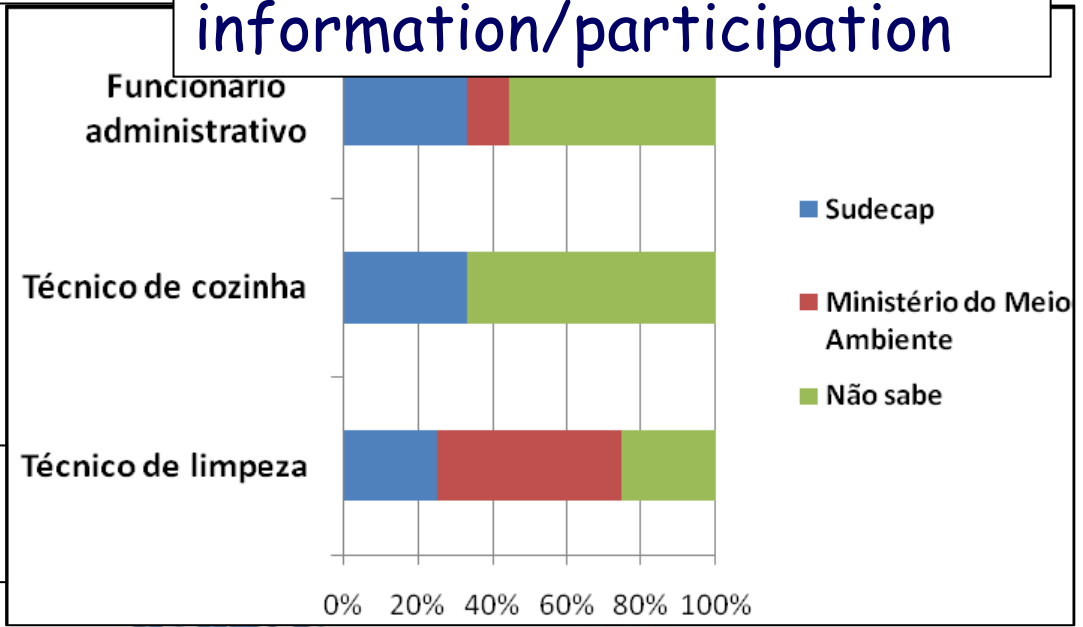
UFMG

Anne Frank School



The success of a project is consequence of popular information/participation

Visconde do Rio Branco School



Anne Frank Municipal School: rainfall harvesting

The project has been discussed with coordinator, teachers and students and the SUDECAP team and now SWITCH is really part of the school activities.



PREFEITURA DE
BELO HORIZONTE



SWITCH team and Anne Frank School Director



PREFEITURA DE
BELO HORIZONTE



UFMG

Water International Day - 2009



PREFEITURA DE
BELO HORIZONTE



UFMG

Anne Frank Municipal School: rainfall harvesting



Wall painting



PREFEITURA DE
BELO HORIZONTE



UFMG

VILARINHO CATCHMENT, where a wetland is going to be built.

A survey over perception on social and urban environment was applied, with the help of public health workers and two French MSc students who came to Brazil specially to develop this research.

At the end of this research, we organized a meeting called "UM DIA NA BACIA ("a day at the catchment"), to return to the community the main survey results.

The intention is to call people's attention to WATER questions and to the fact that all the negative effects due to the lack of care with the water will reflect in the creeks.



PREFEITURA DE
BELO HORIZONTE



Vilarinho wetland



Health workers training



PREFEITURA DE
BELO HORIZONTE



UFMG

"a day at the catchment" - sep/07



The invitation



PREFEITURA DE
BELO HORIZONTE





“a day at the catchment”



PREFEITURA DE
BELO HORIZONTE



UFMG



“a day at the catchment”



PREFEITURA DE
BELO HORIZONTE



UFMG

Lagoa do Nado Park

Infiltration trend

At 2009, we had a visit of Danielle Mitterand, former first lady of France and now President of France Libertés Association and Water Messenger Program. The park is part of this program.

The SWITCH team has organized a workshop about water - pollution, waste, etc - for 113 park workers. The certificates were handed out by Danielle Miterrand and the Pampulha Regional Administrator. The event had the presentation of the Municipal Band, too.



PREFEITURA DE
BELO HORIZONTE



Nilo (SWITCH) and Danielle Mittreerrand (Water Messengers)



SWITCH and Water Messengers - 2008



PREFEITURA DE
BELO HORIZONTE



UFMG

**SWITCH team
(wearing the project t-shirts)**



**The certificates distribution -
113 "students"**



The band



BELO HORIZONTE





Field trips



PREFEITURA DE
BELO HORIZONTE



UFMG

Productive Garden

Rainfall collector

SWITCH Project organized a course for 33 people - gardeners and woodworkers. This course had theoretical and practical classes during 5 days, from September 14 to 18, 2009.



PREFEITURA DE
BELO HORIZONTE



UFMG



PREFEITURA DE
BELO HORIZONTE



UFMG

Switch Project is organizing courses and training sessions for the Participatory Budget Commissions, reaching around 300 opinion makers.

This is a typical education process in what we have to invest and insist all the time for good results. Before the next Participatory Budget process SWITCH needs to come them again.



PREFEITURA DE
BELO HORIZONTE





**PREFEITURA DE
BELO HORIZONTE**



UFMG

COMFORÇAS



PREFEITURA DE
BELO HORIZONTE



UFMG



Water Forum - mar/08



PREFEITURA DE
BELO HORIZONTE



UFMG

SWITCH NEWS

Year 1 - Number 3 - July, 2008

Belo Horizonte - Brazil

The newspaper

RIVERS ARE BEING REVITALIZED

As the implantation work of 1o de Maio, Nossa Senhora da Piedade and Baleares Parks – all projects from DRENURBS Program – were concluded, Belo Horizonte starts the revitalization of its creeks.

One can see now pleasant locals available to local communities where before layed complete environmental degradation.

Waters are free from pollution and became part of the area landscape. Thousands of trees were planted there as part of the "One tree one life" program. Project SWITCH is present in these parks with experiments to the dissipation of superficial rainfall runoffs (view photos).



PREFEITURA DE
BELO HORIZONTE



UFMG

“It's impossible to solve today's problems thinking the same way we did when we created these problems.”

Albert Einstein



**PREFEITURA DE
BELO HORIZONTE**

