

LEADING AIMS

- Preservation and restoration of local water cycles
- Avoidance of non-degradable and dangerous substances
- Non-introduction of precipitation water into canalisation
- Preservation of natural biotops in the plan area
- Retention of water in the landscape
- Minimisation of water consumption
- Keeping clean the circumjacent rivers (esp. Cabeceira do Valo)

ANALYSIS OF THE CURRENT SITUATION

- Ground water, rivers and soils are polluted by the domestic waste water, livestock farming and chemical fertilization
- The settlement ist situated directly on the water divide between the nord and the south catchment area of the Paranoá lake, which is polluted on this way
- Damaged sewerages pollute the soil and are serious danger for the human health
- During the rain period the streets became to swamps, because a rain water drainage do not exist
- The large sealed surfaces do not allow the rainwater to drain

METHODS OF RESOLUTION

- Reduction of water demand through water-saving fittings (water-saving WC)
- Waste water recycling /environmentally-friendly local waste water treatment (plant growth purification station, membran-filter plant)
- Environmentally-friendly rain water management - rain water percolation (extensive surface drainage and trough drainage) and rain water usage

