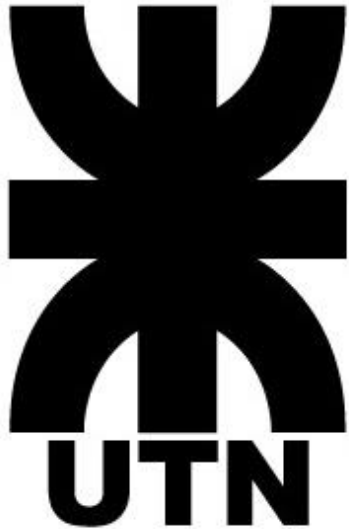


Pollution of the Paraná River: Sanitizing and Systematizing the Colorado Creek



- UNIVERSIDAD TECNOLÓGICA NACIONAL
- FACULTAD REGIONAL PARANÁ
- CIVIL ENGINEERING DEPARTMENT, INGLÉS I

2024



INTRODUCTION

- Paraná city-based environmental Project
- Total area of 137 square kilometers
- Population of approximately 391,962

COLORADO CREEK

- Maintenance deficiencies in the Colorado Creek
- Environmental problem affecting the Paraná River
- Loss of species due to damaged aquatic habitats

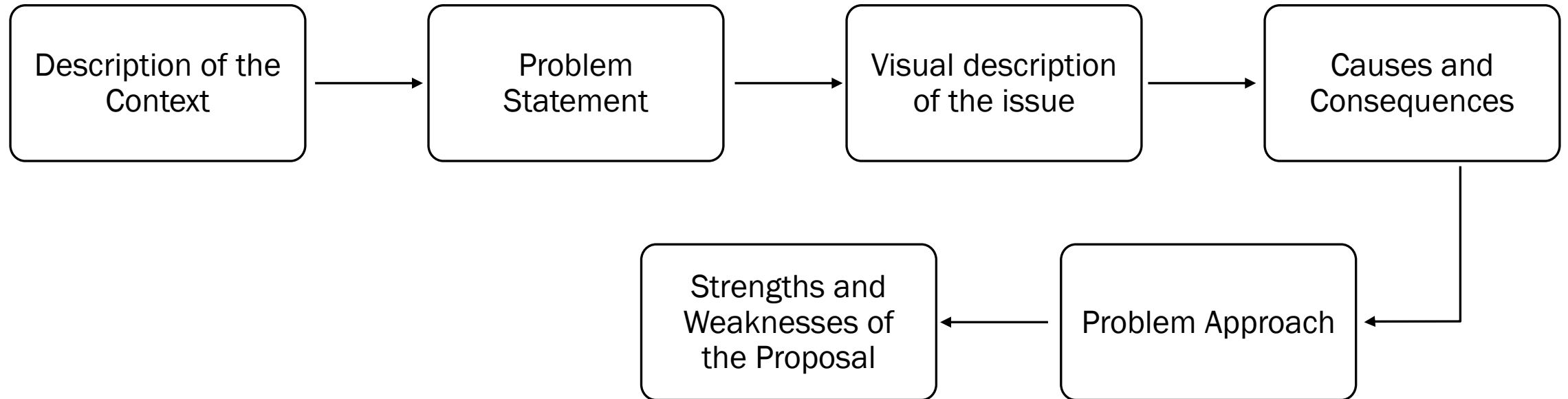


PURPOSE OF THIS PRESENTATION

- Causes and consequences of this problematic issue
- Contributions toward finding a solution
- Awareness about caring for the city's creeks



MAP OF PRESENTATION

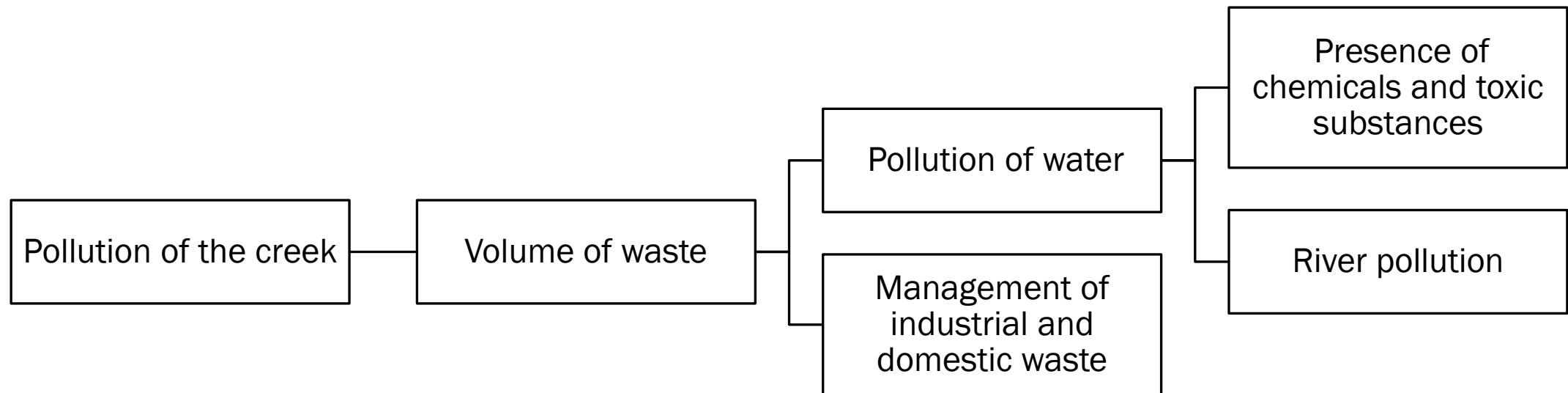


PROBLEM STATEMENT

- Contamination problem of Colorado creek in Paraná
- Harmful substances in the water
- Risk to the Paraná river and the environment
- Impact on the natural area and the residents of Paraná



PROBLEM STATEMENT





Scenes illustrating the problem

STAGNATION OF WATER
CAUSED BY
ACCUMULATED
GARBAGE



Scenes illustrating the problem

IMPACT OF POLLUTION
ON THE CREEK AND
SURROUNDING AREA



Scenes illustrating the problem

WATER STAGNATION
AND GARBAGE, MAINLY
PLASTICS AND METALS

CAUSES

- Lack of funding for waste management
- Weak enforcement of environmental laws
- Low public awareness of pollution impact



CONSEQUENCES

- Serious health risks from creek contamination
- Harm to plants, animals, and biodiversity from pollution
- Decreased quality of life and economic impact due to pollution





Problem Approach

- Systematization of The Colorado Creek
 - ✓ Channel to manage rainwater
- Water Quality Improvement
 - ✓ Special filter to make the water cleaner

Strengths and Weaknesses of the Proposal

STRENGTHS

Better safety for homes and businesses

Cleaner water in the creek



LIKE

WEAKNESSES

High cost to build the system

Need for good management to keep the system working



DISLIKE

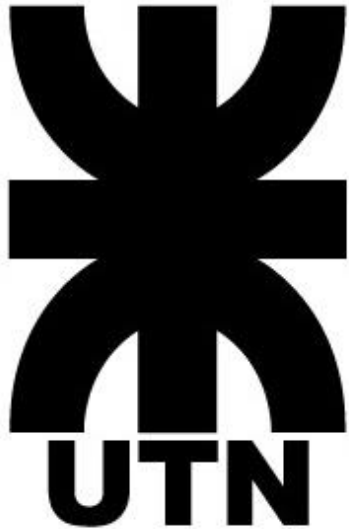


CONCLUSION

Cleaner creek:

- Supports local wildlife
- Requires funding and regular maintenance
- Protects environment and improves life in Paraná
- Has long-term benefits for the community and environment.

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