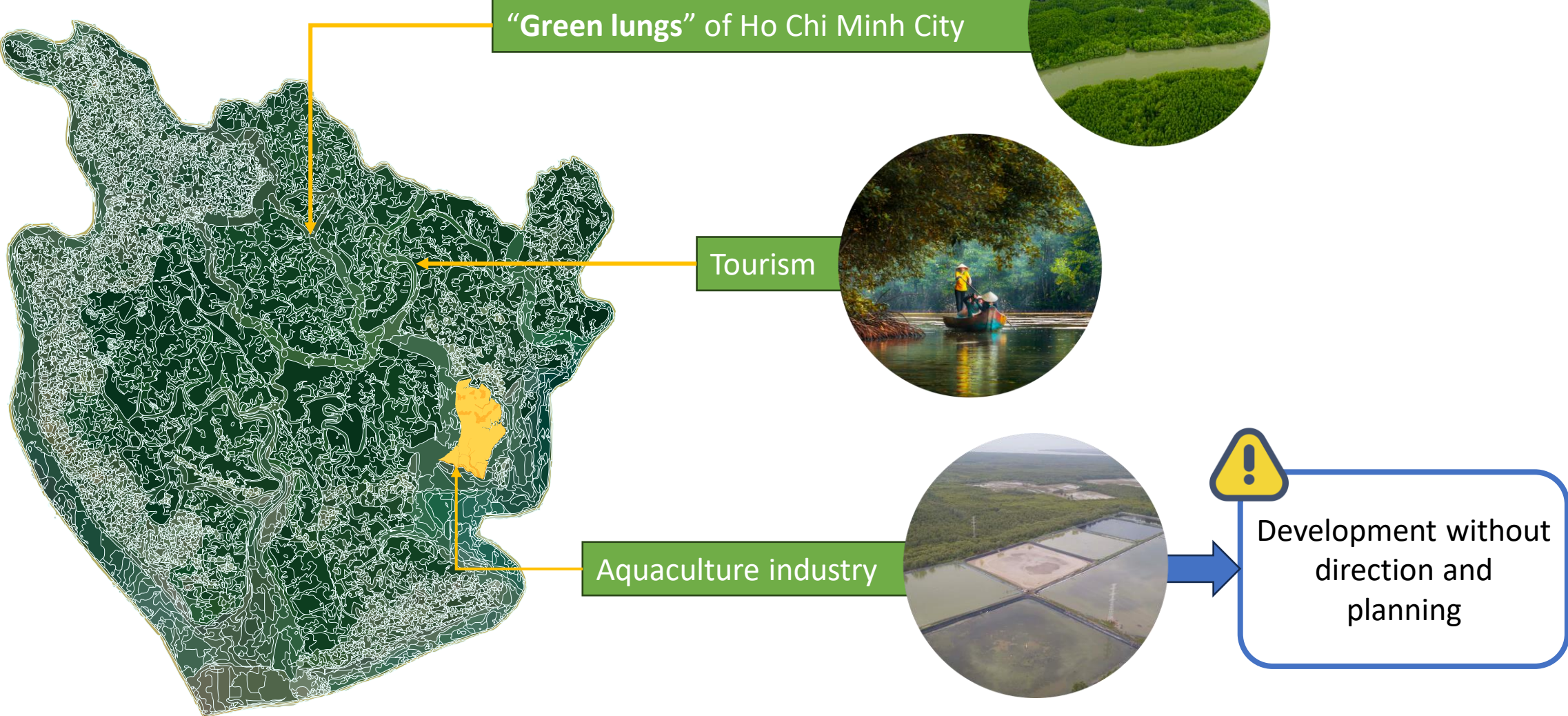




CAN GIO MANGROVE BIOSPHERE RESERVE

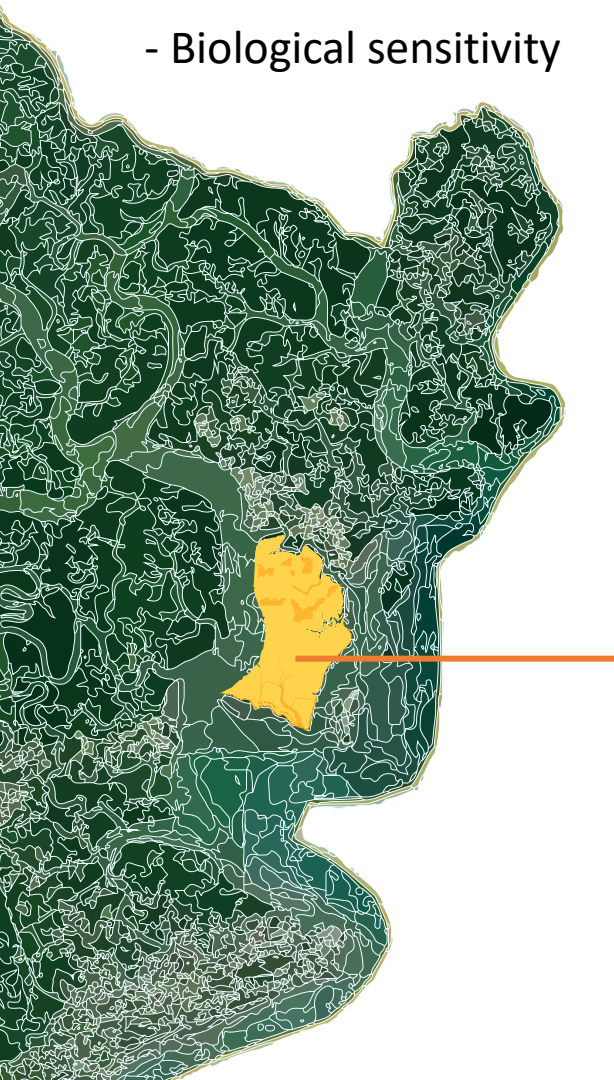
OVERVIEW



CAN GIO MANGROVE BIOSPHERE RESERVE

CRITERIA FOR SITE SELECTION

- Level of water pollution in the area
- Policies and Regulations
- Biological sensitivity



Aquaculture area

no wastewater treatment system



discharged directly into the river



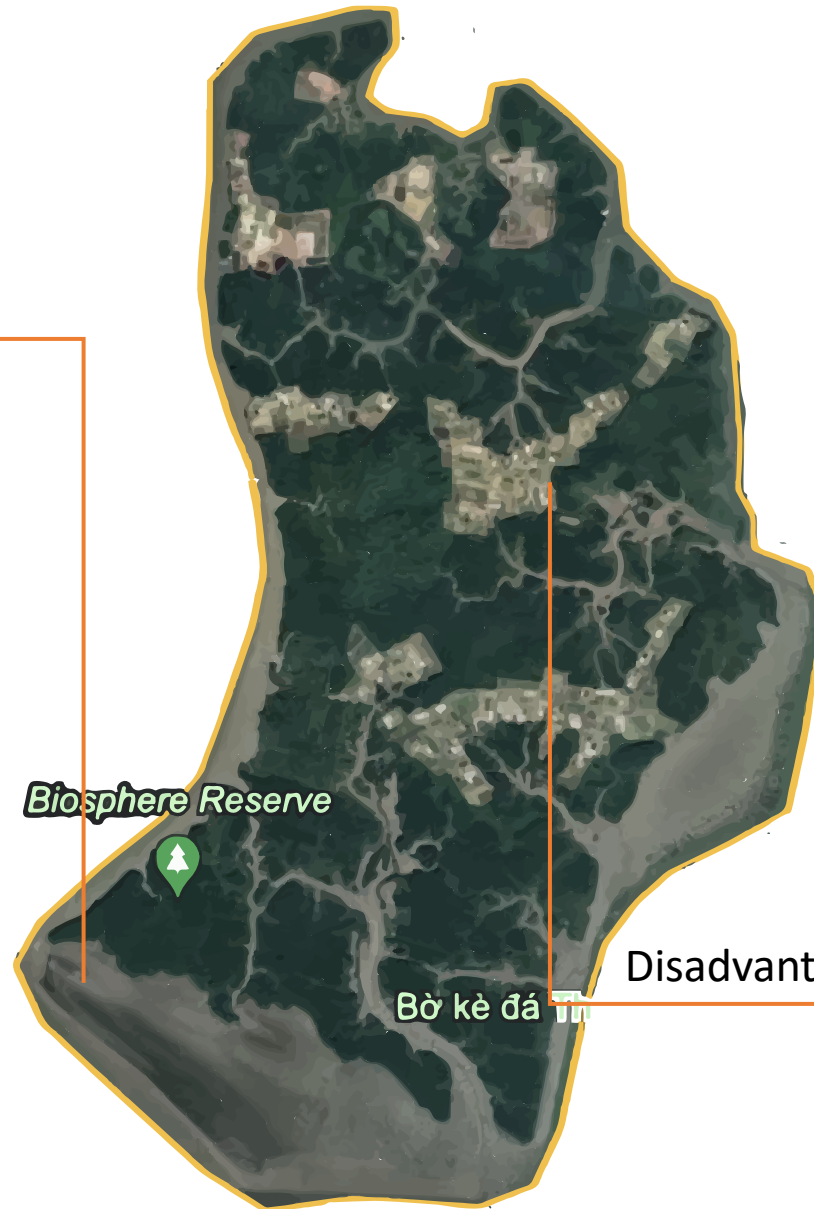
The research area

THE RESEARCH AREA



Advantage

Easily deploy and build a wastewater treatment system



Disadvantage

Not supportive of constructing a complex wastewater treatment system

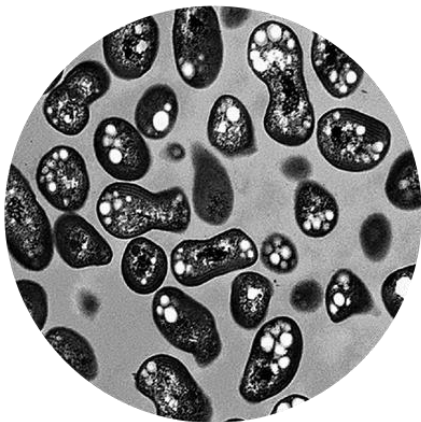


CRITERIA FOR SELECTING SOLUTIONS

- ✓ Environmental friendliness and sustainability.
- ✓ Pollution removal efficiency.
- ✓ Scalability for large-scale pollution treatment.
- ✓ Local compatibility with specific conditions and requirements.
- ✓ Compliance with policies and regulations of the biosphere reserve.

USING BIOLOGICAL METHODS

Microorganisms



Nitrobacter



Bacillus Amyloliquefaciens

Plants

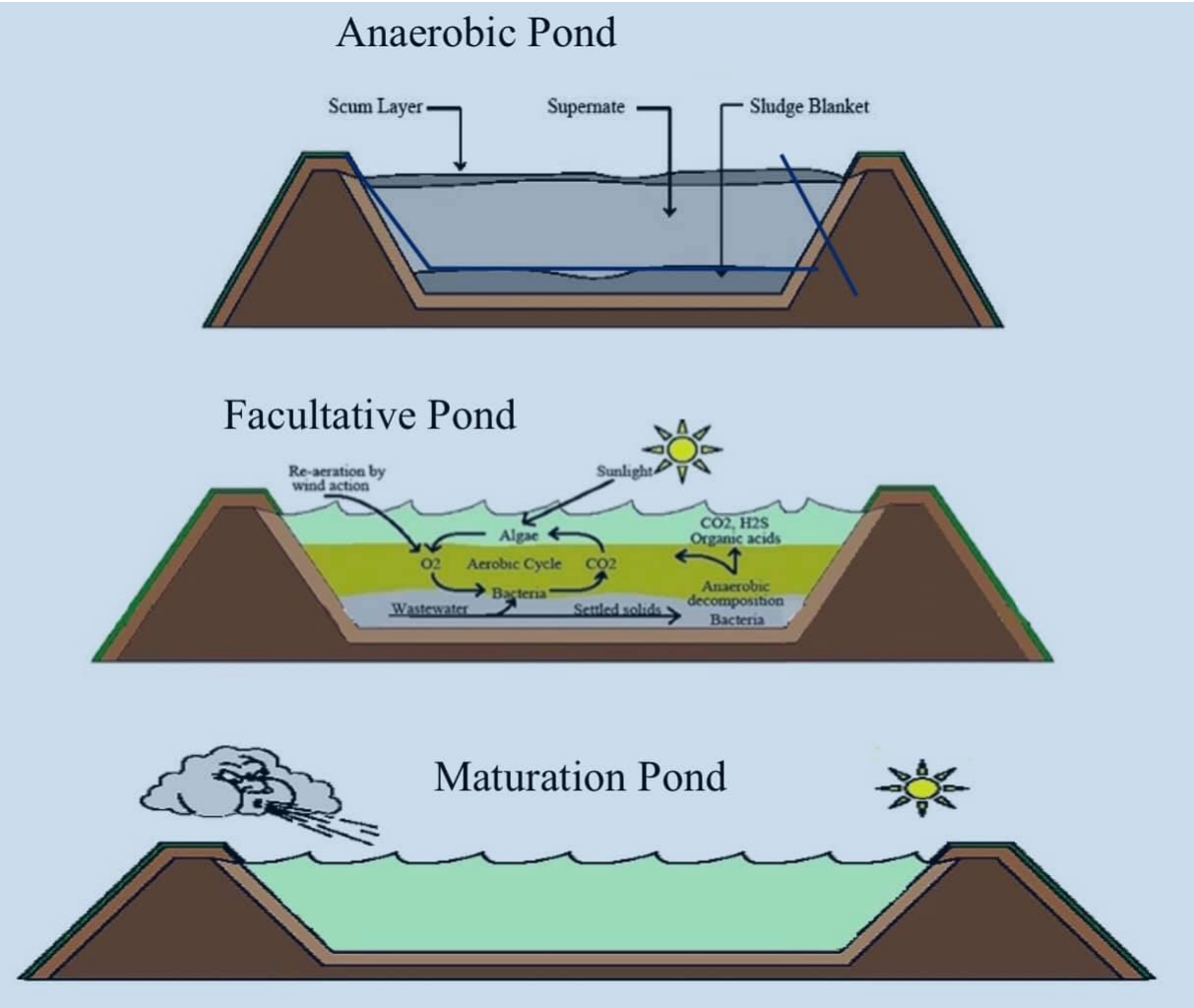


Eichhornia crassipes

POTENTIAL SOLUTIONS

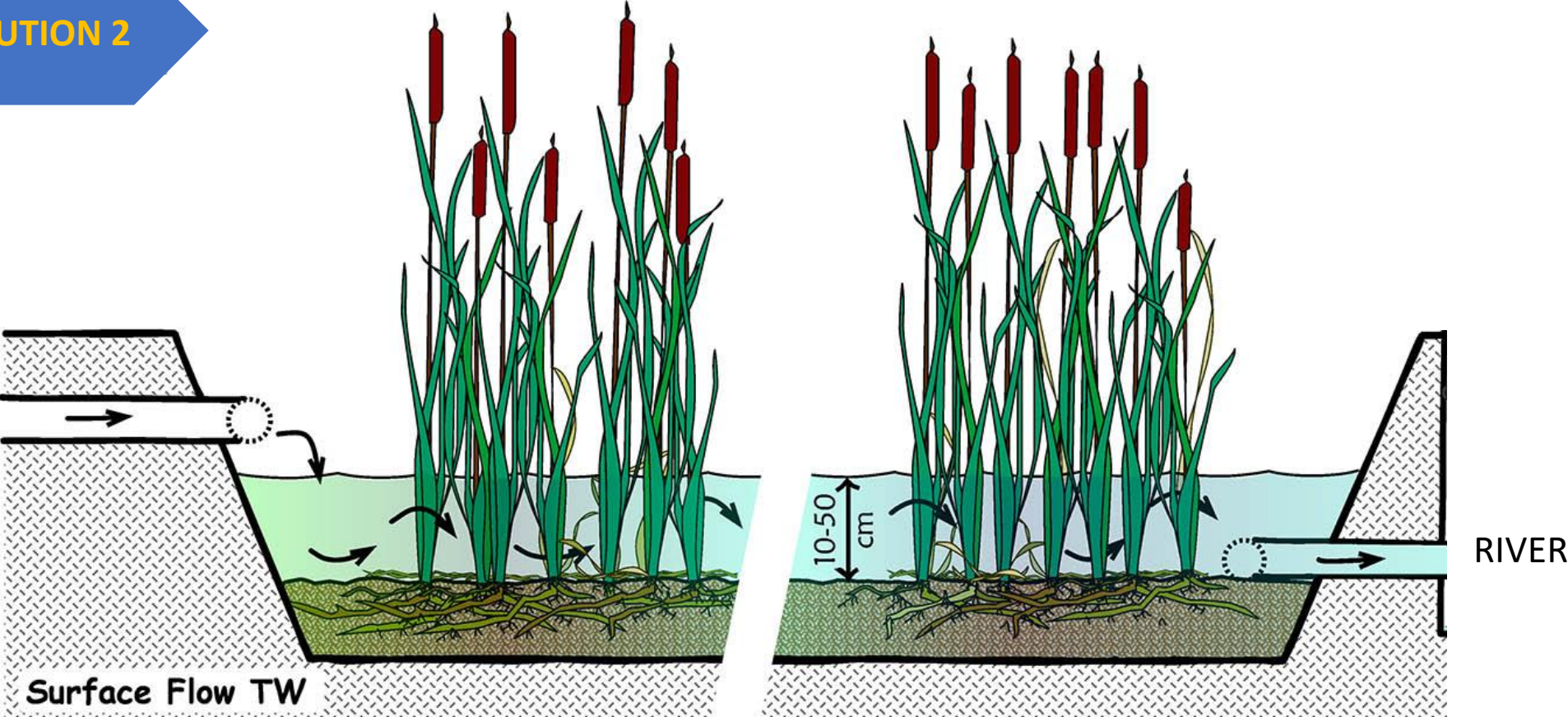
SOLUTION 1

Waste stabilization pond

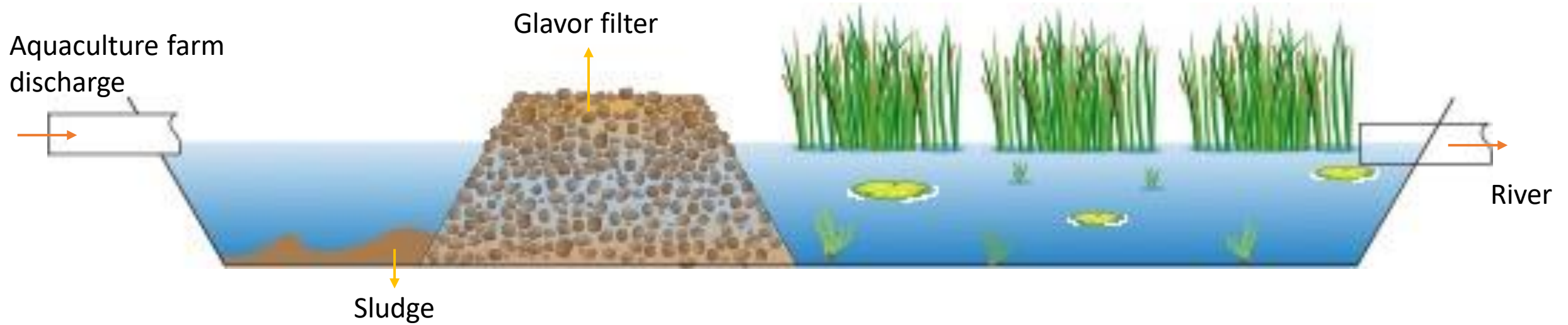


POTENTIAL SOLUTIONS

SOLUTION 2



OPTIMAL SOLUTION



- ✓ Low cost
- ✓ Limit impact on the surrounding ecosystem
- ✓ Create an aesthetic and fresh space
- ✓ Meets people's needs while minimizing pollution

Thanks for your watching !