



Challenging for global issues conducted by agricultural high school.

To leverage a new perspective from comparison of agricultural circumstances between the Saga Plain and Mekong Delta.

Theme

Be eco-friendly, make our agriculture be sustainable.

Agricultural Science Course

The problems of Apple Snails.

Environmental Engineering Course

The differences of irrigation systems between Saga plain and Mekong Delta.

Mekong Delta

The rice cultivation in Mekong Delta is seriously damaged by the Apple Snails.



Eggs of the Apple Snails



The scene of the Apple Snail is eating some seedlings of rice

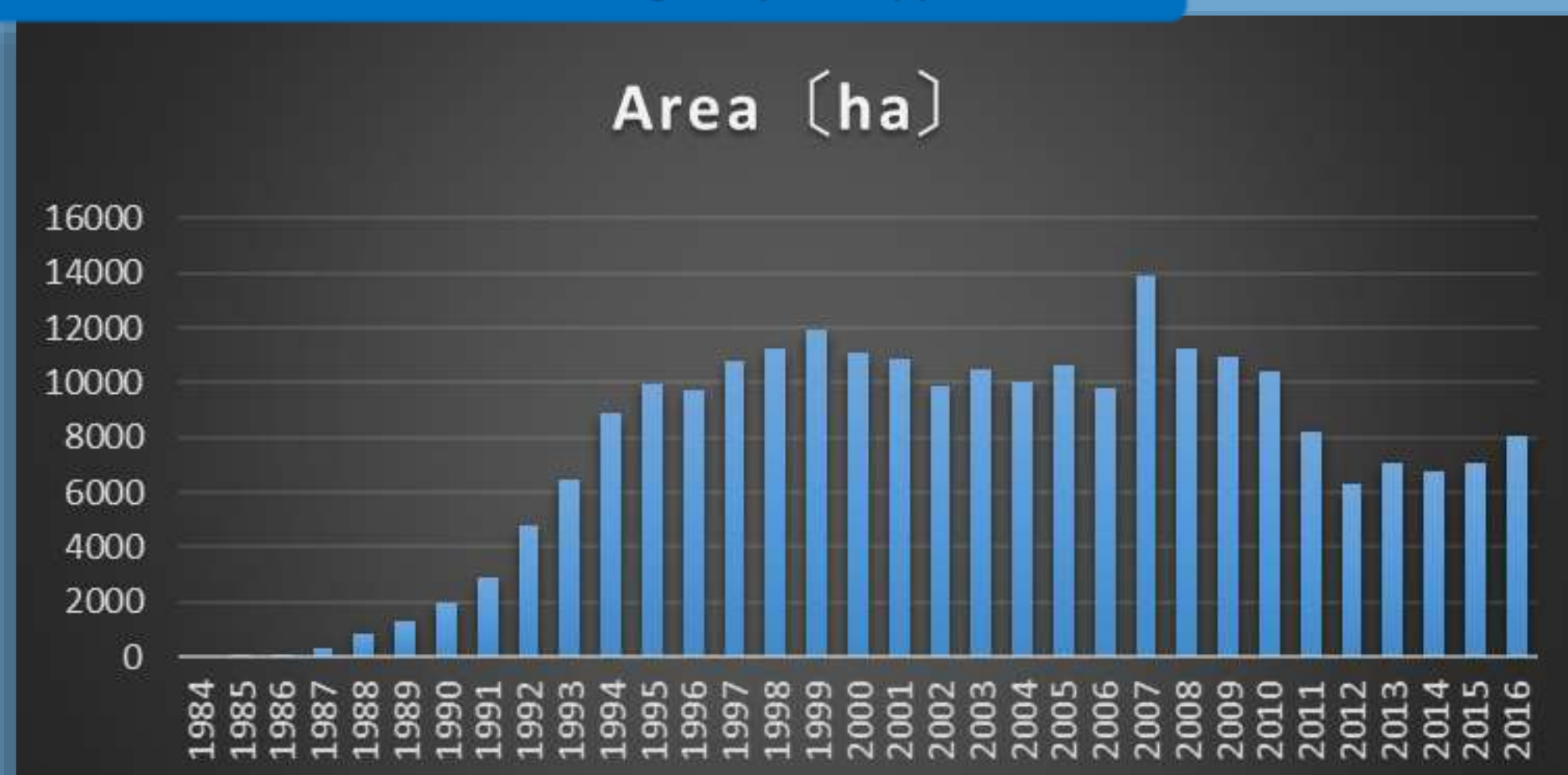


Rice field damaged by the Apple Snails

Saga Plain

The area of rice fields damaged by Apple Snails in Saga Plain have narrowed since 2007.

The area of the rice fields damaged by the Apple Snails



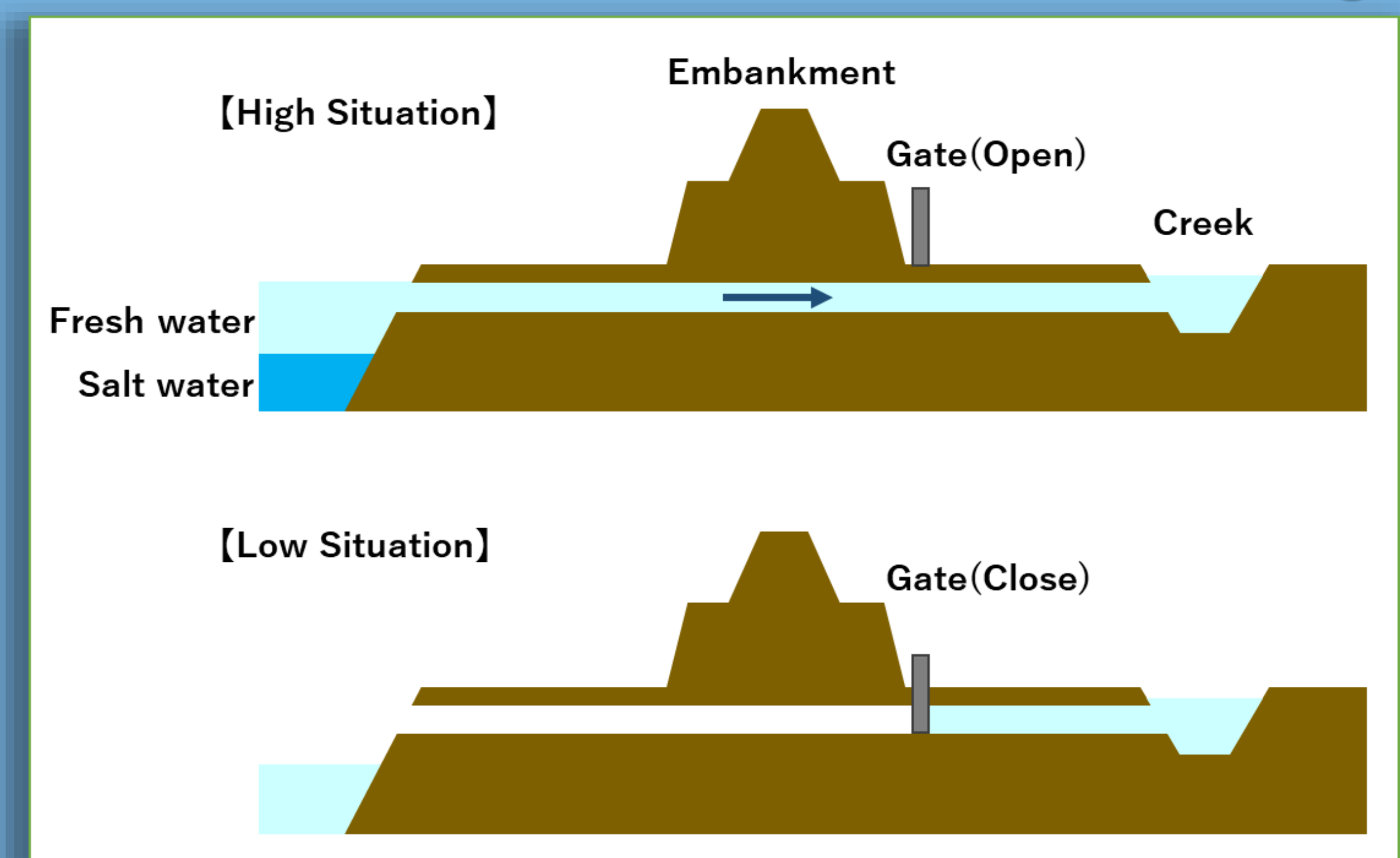
Eco-friendly countermeasures against Apple Snails in our town.

- 1 To put wire netting at the water intake of rice fields.
- 2 To put harder seedlings in the field.
(Because Apple Snails tend to eat soft seedlings.)
- 3 To control the depth of the water in rice fields to be under 2cm.
(Because Apple Snails can't live under 2cm depth of water.)
- 4 To put the eggs of the Apple Snails in water.
(Because they won't be able to hatch in it.)
- 5 **To release soft shelled turtles in the fields.**



Saga Plain

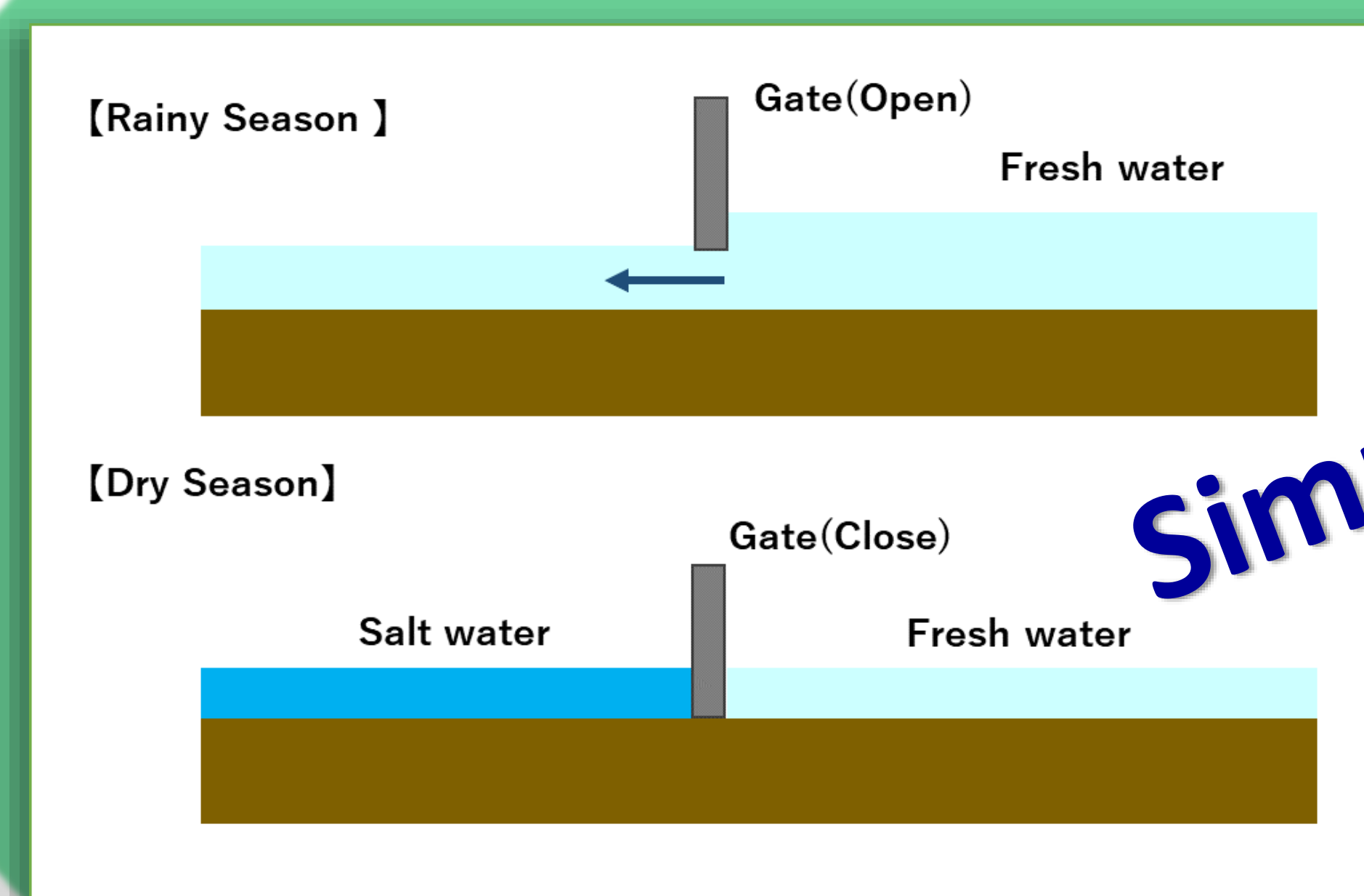
We got fresh water with the irrigation system of "AO" in Saga Plain.



System of "AO" = Control

Mekong Delta

The people in Mekong Delta store rain water with simple irrigation system below.



Simple



Watergate

Irrigation system in Mekong Delta = Store

What we can do next

- ◆ We are going to tell the eco-friendly countermeasures to Agricultural Promotion Center in Soc Trang State.
- ◆ We are going to experiment that whether local soft shelled turtle will eat the local Apple Snails or not.
- ◆ We are going to share the information about the countermeasures against the Apple Snails with Agricultural Promotion Center in Soc Trang State.

Next step

We are going to help the irrigation system in the Mekong Delta to be much better.
We think that the **Key** of its development is **Mechanization**.