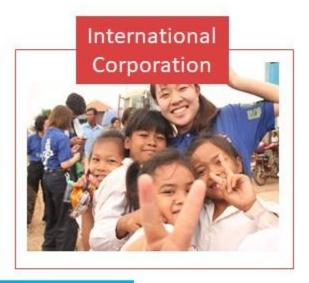


What is IVUSA

70 Universities
2,500 Students











This is one of the biggest volunteer organizations in Japan, consisting of university students.

We hold many kinds of volunteer activities, especially, we put effort into disaster relief, which we aim for the restoration with local people.

Introduction of projects of IVUSA in Shiga

We hold a lot of activities which are related to MLGs goals



Cleaningactivity

By making use of the range of the places where students in IVUSA live, we hold volunteer activities all over Japan. Especially in Shiga Prefecture, which has Lake Biwa, we hold some activities such as cleaning activities, child education support, removal of invasive weeds and so on.

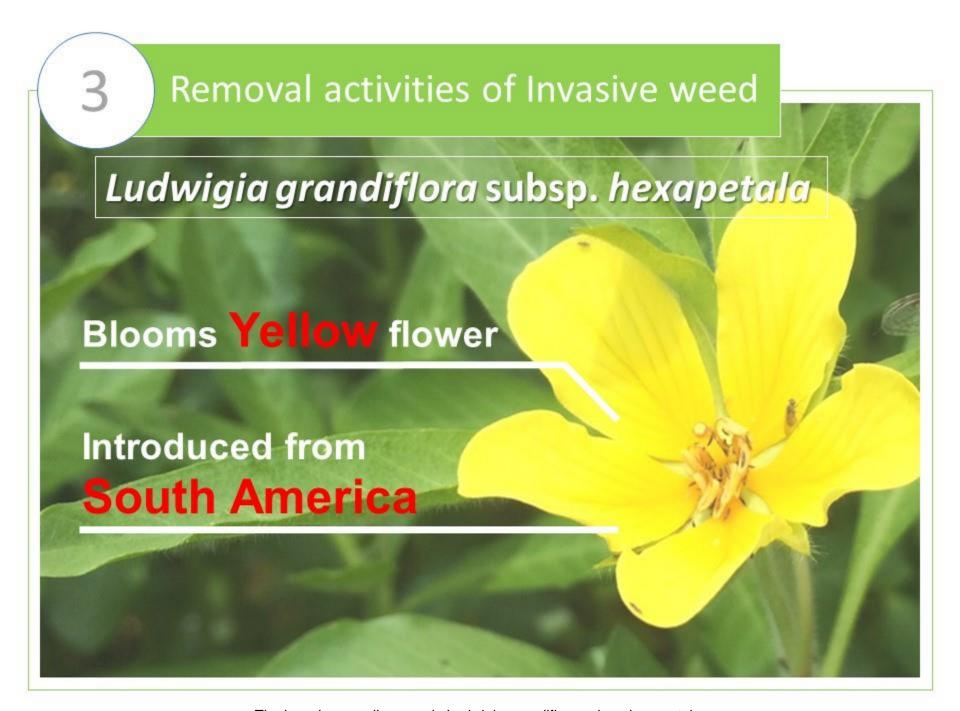
They are contributing to achieve MLGs goal.

I'm going to focus on the last one, the removal of invasive weeds project today. It is one of the biggest projects in ivusa.



Before I start, I will ask you a question.

Did you know one of the invasive weeds from South America has been spreading and causing serious problems in Lake Biwa?



The invasive weed's name is Ludwigia grandiflora subsp. hexapetala.

It's a really long name, isn't it? So, I'm going to call this plant "invasive weed" in this presentation.

As you can see from the picture, it blooms yellow flowers. It looks so pretty!

However, this invasive weed has a strong and scary power in it.

Removal activities of Invasive weed

Features

Explosive growth and propagation









Bad effect

1. Bad effect on

ecosystem

2. Negative impact on

fishing industry





It has some striking features, but the most surprising one is the explosive growth.In 2016, the coverage area of invasive weed reached some 300,000 m² in Lake Biwa.

But what is the bad effect?

There are mainly 2 bad effects. First one is the adverse effect on the ecosystem. The invasive weeds exclude native species The second one is the negative impact on the fishing industry. So people who were struggling with this invasive weed tried to remove them.

Removal activities of Invasive weed

The reality was...

Removing the invasive weed is **hard work**





People who were engaging in the project were **elderly**



So, students rose up to solve this problem.

We want to save Lake Biwa by the power of youth!

This was the start of our project.



Removal activities of Invasive weed

We had many difficulties holding removal activities



Lack of tools



Operation of ship



Disposal

What we can do was

just to remove invasive weed by manpower

Removal activities of Invasive weed

In 2013

Shiga Prefecture

Local started the project of removing invasive weed





IVUSA was invited to join project as one of the member of the team, and local people welcomed students

Removal activities of Invasive weed









We held removal activities 5 times and around 250 people joined them

Removal activities of Invasive weed

In 2013

In Moriyama

Distribution of tools by the government



Local environmental NPO

Call for the residents



Removal activity by manpower





Fishermen

Operation of ship



The government

Dispose removed weed for free

Through this project, each stakeholder made use of their strengths and built a cooperation system in Moriyama city.

The environmental NPO, fishermen, students, and the government cooperated with each other.

This led to the successful result in stopping the spreading Invasive weed in Moriyama city.

Removal activities of Invasive weed

In 2014

The awareness has increased!!



In 2014, it was designated as Specific Alien Species

The Council for Controlling Invasive Aquatic Plants in Lake Biwa

was established, In March 2014.



Removal activities of Invasive weed

In 2014

The propagation area of the weed had been spreading all over the southern Lake Biwa

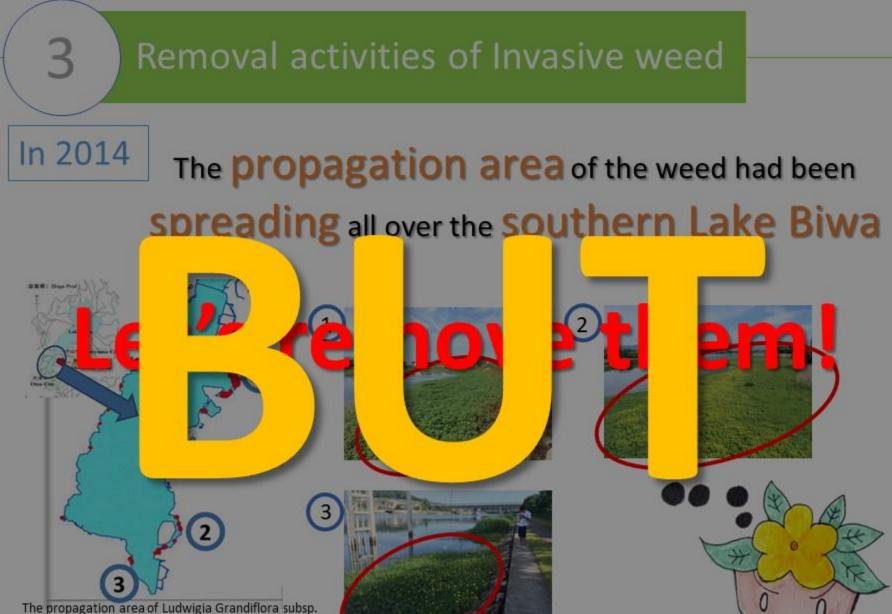


Removal activities of Invasive weed

In 2014

The propagation area of the weed had been spreading all over the southern Lake Biwa





Hexapetala, in southern Lake Biwa
(Researched by Lake Biwa Environmental Research
Institute (LBERI) and Omi Wetland Research Group)

Removal activities of Invasive weed

In 2014

We had **two** obstacles to carry out the removal activity

Most of stakeholders

didn't know

what the invasive weed is.



find the place to put removed weed for drying and pay for disposal



Again, we faced problems. Although the awareness of the weed had been increasing, most of the people whose cooperation is necessary didn't know about the dangerousness of the weed. In addition, since the invasive weed needs to be dried before they will be burned, we needed to find a huge temporary storage place and money to pay for disposal.



For these obstacles, many people supported us.

To raise awareness, we got chances to talk about the problem on local radio and at a big conference in which people think about Lake Biwa.

And the government lent us a temporary storage place to dry removed invasive weed, and they took over the payment for disposal

Removal activities of Invasive weed

In 2014

600 students joined!!











120 tons of invasive weed was removed for 3 days!

Removal activities of Invasive weed



Removal activities of Invasive weed

Recent years

Throughout shores of Lake Biwa



Non profit organization

Company

Residents

Student





The government

Fisherman



A lot of people has been trying to solve this problem A lot of stakeholders joined this project

Through these activities, a number of people in different positions joined this project. Like this figure, we have been working on this project in cooperation.

Resulting in continuous removal activities in this cooperation system, we have been suppressing the propagation of the weed.

Not only that, but they were really supportive.

When students tell people around us what we want to do, they thought about it together though we students didn't have specific skills or knowledge at that time.



What I told you today was a story in the past. Today, we cannot hold such big removal activities because of Covid-19, but I won't give up.

We IVUSA held an MLGs workshop with Shiga prefecture last June, and

I was a leader of the event. Around 30 students joined and thought about what they can do to achieve MLGs goals. To this workshop, around 10 government officials joined and discussed with students, and 8 unique project ideas were born. This project didn't work without officials who made this workshop together. Thank you so much.

Like this, people around us support and think about what we want to do together. Thanks to this, we can challenge social problems.

Now, we are working on one of the project ideas from the MLGs workshop, and are excited to be one of the members of achieving the MLGs goals.

We won't give up and continue to think and try what we can do, what only we can do. Thank you for listening.