

Best Practices

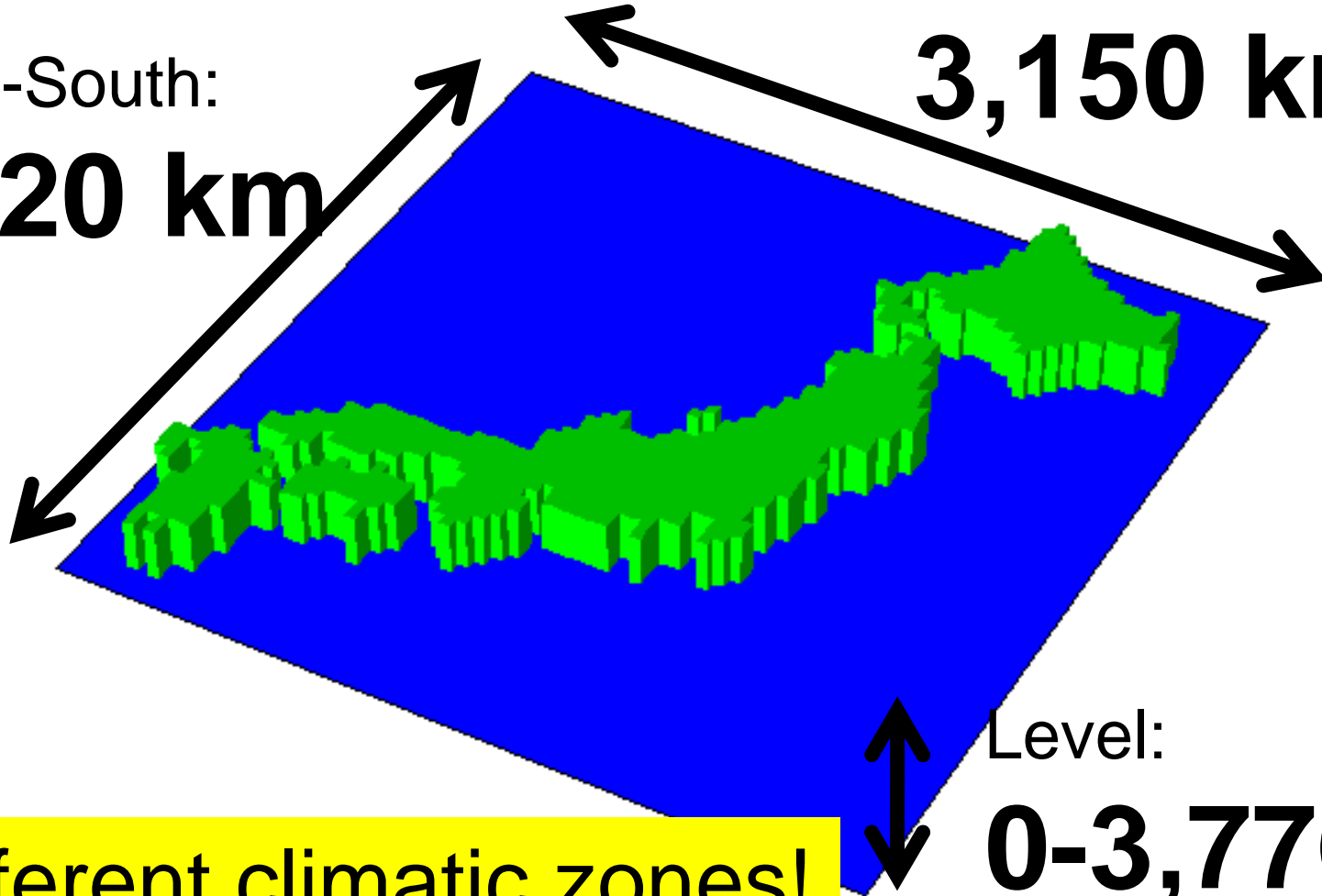


-Japan-

Geographical Information

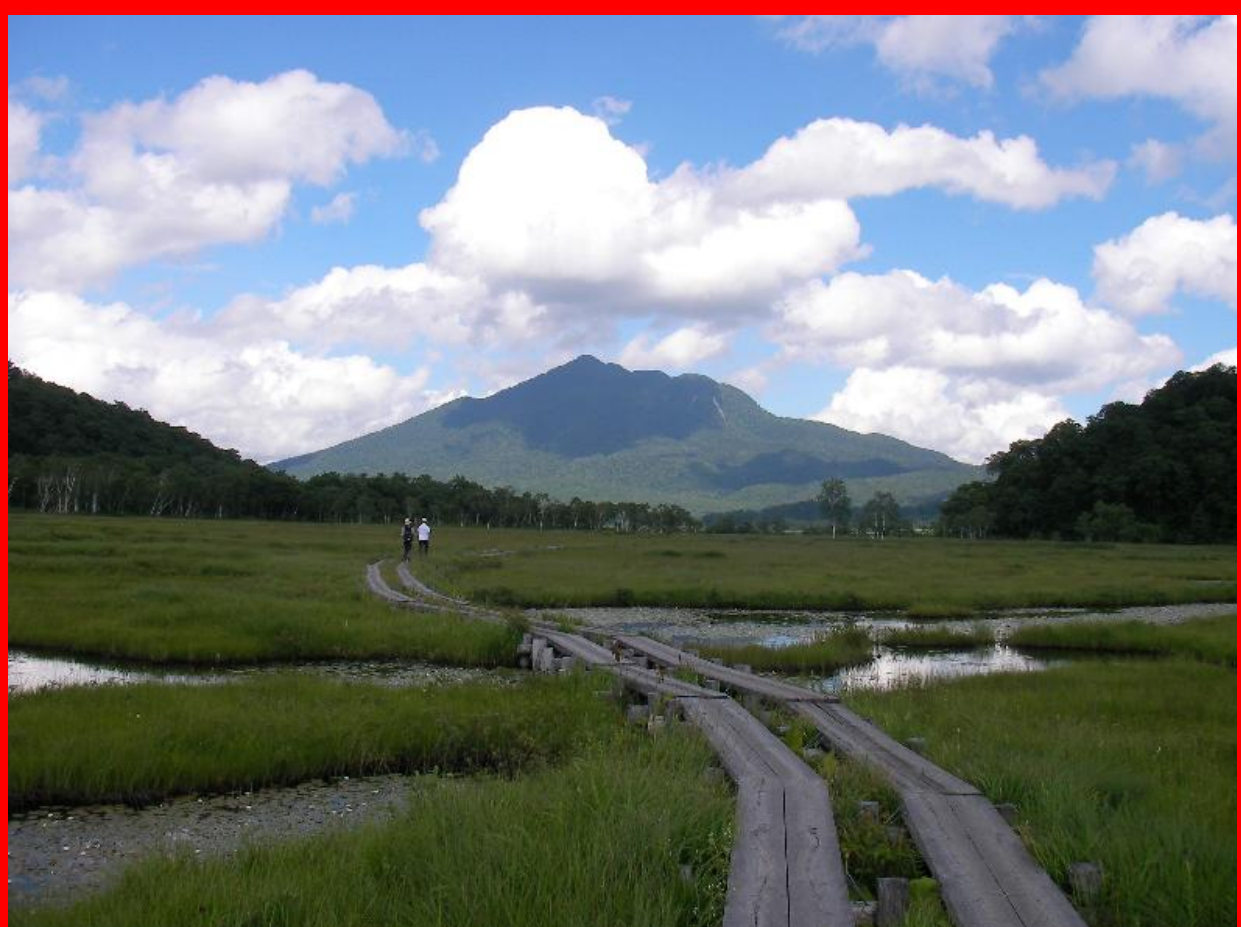
North-South:
3,020 km

East-West:
3,150 km



Level:
0-3,776m

5 different climatic zones!



Therefore...



We have so many organisms in Japan !
more than 90,000 species

Not only geographical factors...

Traditional management also plays an important role conserving biodiversity in Japan

TWO IMPORTANT MATTERS to remember regarding nature in Japan

1) We gain **natural resources by altering field**

2) With the **long practices**, organisms are accustomed to the managed environments.

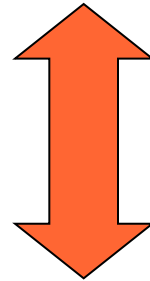
Symbiotic Relationship



What is the Problem?

OVERUSE of natural resources

we cannot exceed environmental capacity
to sustain biodiversity



UNDERUSE of natural resources

we must keep managing nature
to sustain biodiversity

Balance b/w Human Activity and Resources

Satoyama Initiative

- *Satoyama* is where human and nature once co-existed **=GOOD PRACTICE !!!**



- A model of sustainable management of natural resources



- Japan is trying to figure out...
conserving and sustainable use of biodiversity



- Purpose: to propose the method in the world

Three Major Problems

- Species and habitat degradation due to **excessive human activities and development**
→to be presented *by Motoi IMAI, Kei OTANI, Natsuko SATO*
- Degradation of *satochi-satoyama* due to **insufficient level of management**
→to be presented *by Misako MATSUBA*
- Ecosystem disturbances caused by the **introduced alien species and chemical contaminations**
→to be presented *by Keiko SASAKI*

RAMSAR CENTER JAPAN

—FOR CONSERVATION AND WISE USE OF WETLANDS—



KODOMO
こども





Discussion



Activities!!



RAMSAR

CHANGWON 2008

28 October- 4 November 2008



At COP 9 in Korea

Japan

Shimane Prefecture

HERE

SHINJIKO

WE ARE HERE NOW





Lake Shinji-ko's sunset



Birds flying around Lake Shinji-ko



Kushiro Bog

サール条約第10回締約国会議参加報告会

2008年12月26日 釧路国際ウェットランドセンター



Natsuko Satou announcing



Oze Marshland



Asian skunk cabbage



Deer survey

The Role of Community-based Museum *Kyororo*

Constructing a Monitoring Method of
Late Goldenrod in Collaboration with Elementary School



Keiko SASAKI, Keio University, Japan

What is *Kyororo*?

Kyororo is a localized natural history museum that tries to connect ecology and local community

Where is it located?

- Matsunoyama Village
- Area: 86km²
- Population: 3,096 people ('03)
- Main industries:
 agriculture and tourism
- Main resource:
 natural environment



Background of *Kyororo*

- very small village
- Problems: aging society, depopulation
- In order to maintain the village in the future, villagers share a common idea:



“This beautiful natural scenery is our treasure”

- Natural history museum *Kyororo* is built as a promotion of this region

***Kyororo* cannot be just a museum!**

Concepts of *Kyororo*

1. Collaboration with local people
2. Interaction with urban area
3. Discovery of culture native to this region
4. "All villagers are scientists"
 - Constructing database with villagers
 - gaining or telling traditional management skill
 - Education: making villagers "notice"
the changing natural environment
5. Whole natural environment itself is
the MUSEUM of this region

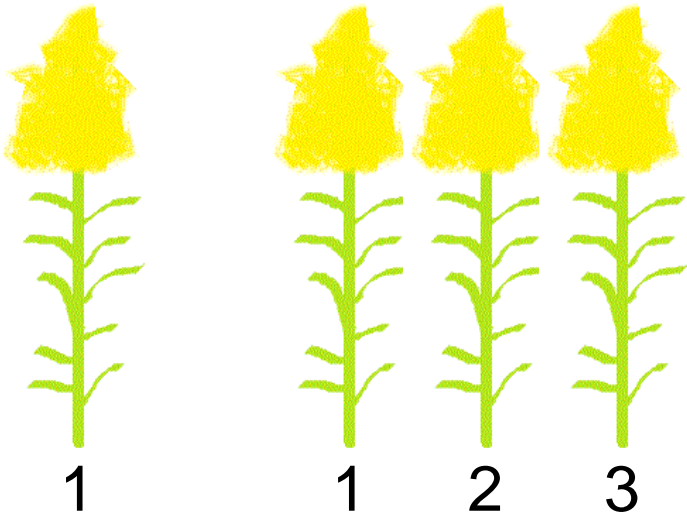
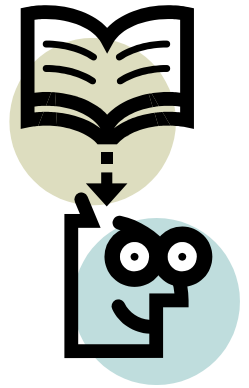
Late Goldenrod



- Latin Name:
Solidago altissima L.
- A **serious introduced species** in Japan
- **Expanding its distribution** by poisoning indigenous species

Facilitators use Late Goldenrod **as a learning tool** in order to teach elementary school students the **seriousness of introduced species to local ecosystem**

Education: Activity



Late Goldenrod is...

- easy to count
- easy to recognize
- easy to know the problem of invasive species

3rd and 4th graders...

- walk around the field
- find Late Goldenrod
- count the number
- mark on the map

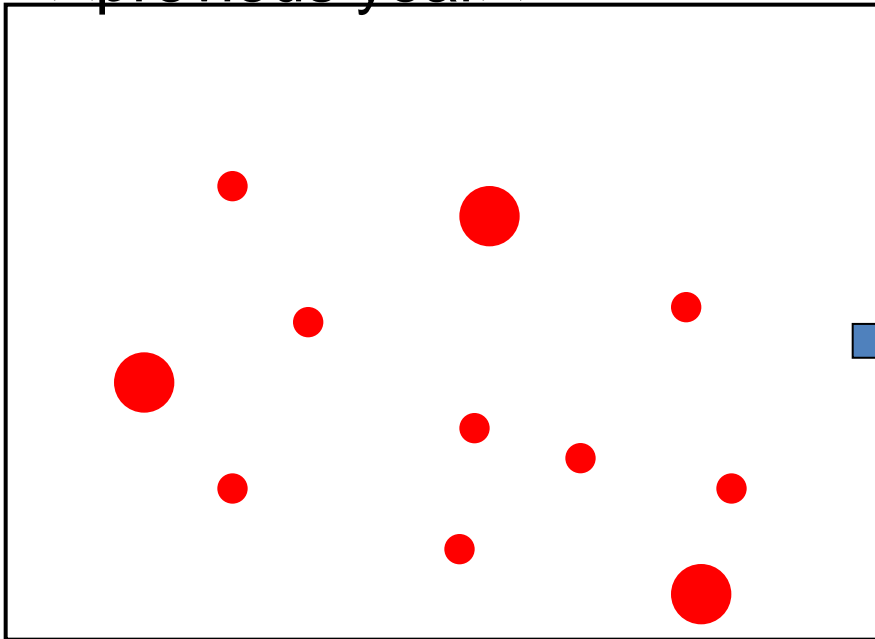


Education: Activity

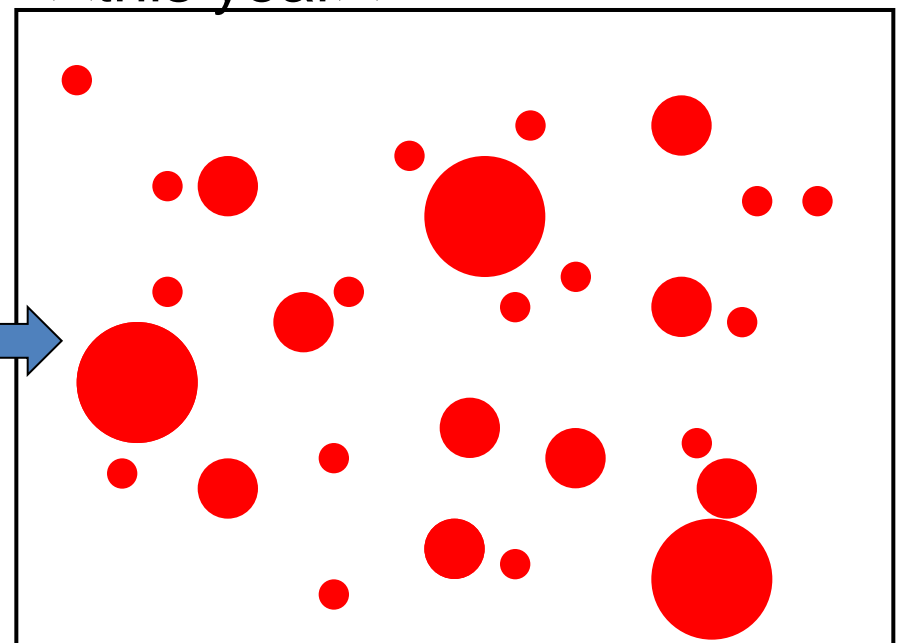
- Put different sizes of seals on the field map based on the number of Late Goldenrod
- Compare with the previous year's result



<<previous year>>



<<this year>>



• ~10 LGs

• ~100 LGs

• ~1000 LGs

Discussion

- Students recognize the expansion of L.G.
 - other species are not able to grow
- They have the will to make suggestions to help the local ecosystem
 - success in making further interest

Kyororo is important because...

1. It tries to create new functions on museums
2. It actively spreads problems of biodiversity by using actual field
3. It is important to connect ecology and society

Case 3

Kankyo Sanshiro Water Project

Management for Biotopes in a local community



What is “Kankyo Sanshiro” ?

- a **student-run organization**
- aim at **solving the environmental problems.**
- Most of the members are **students or alumni** of the University of Tokyo.

Water Project

**Management
of
School-Biotopes**



What is “School-Biotope” ?

Habitats in urban areas

Educational Tool
for students



↑
vegetation

↑
small pond

PROBLEM

left without maintenance



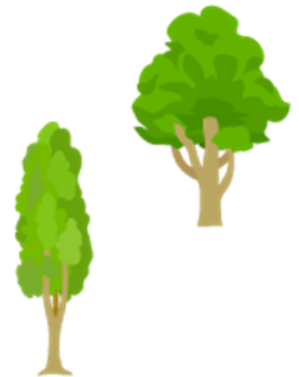
Stone

Fallen leaves

mud

Kankyo Sanshiro Action

- **Conserve**
- **Learn**
- **Share**



CONSERVE

maintenance of Biotopes



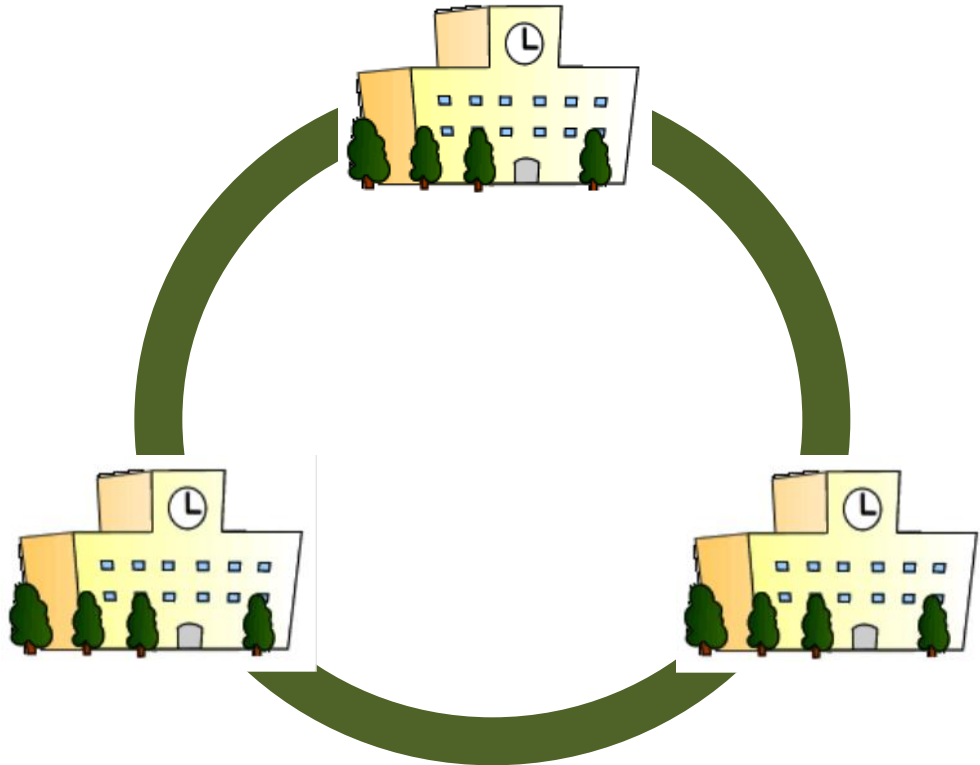
LEARN

lecture at elementary schools

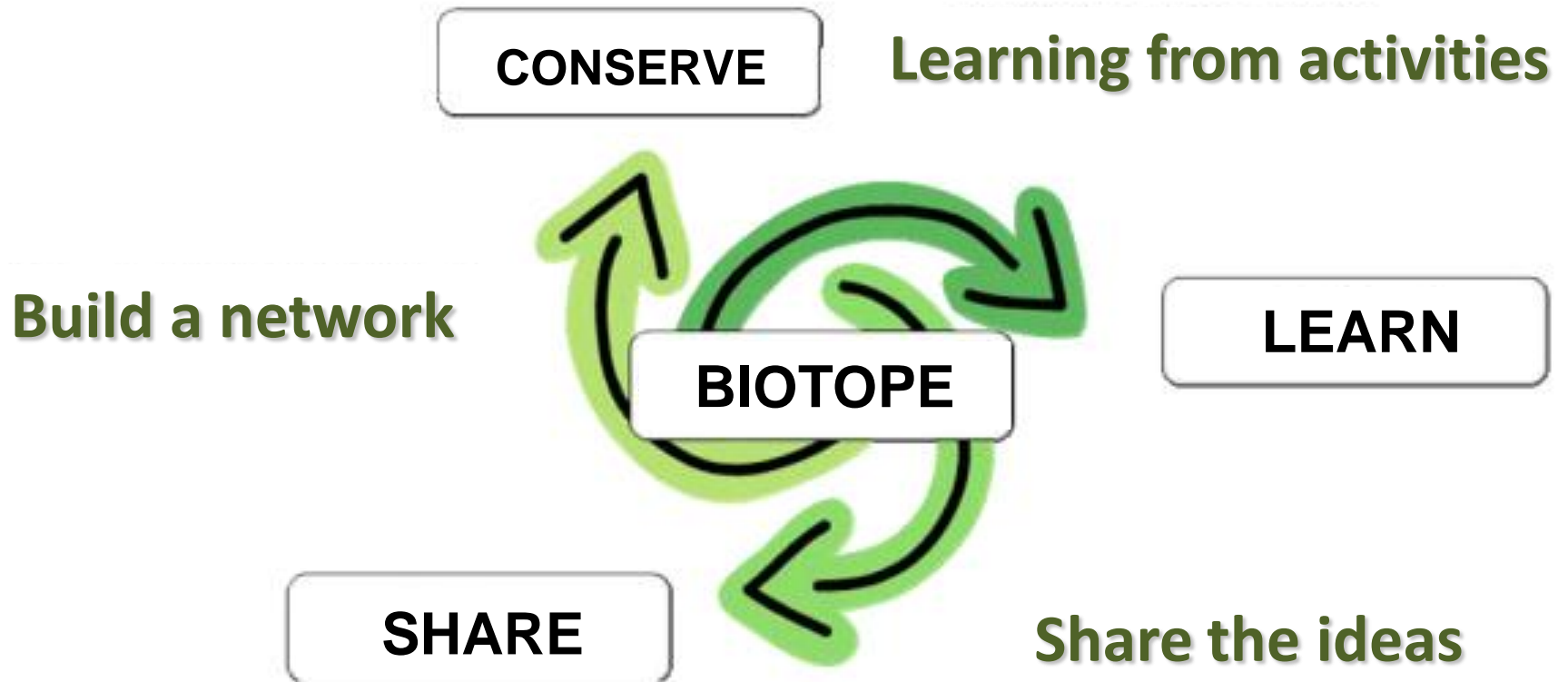


SHARE

build a network between schools



Sustainable activity



Conclusion

Situation around Japan

Habitat Destruction

Urbanization

Pollution

Climate Change



Loss of Ecosystem service

Invasive Species

Intensive agriculture

Youth Action in Japan



Monitoring



Awareness-raising



Education

Youth Activity on conserving biodiversity





EDUCATION



Oppotunity

A stylized illustration of a tree with a thick, brown trunk and a dense canopy of green foliage. The foliage is composed of numerous small, rounded shapes. The tree is set against a white background with a brown ground area at the bottom. The text "Interested in conservation" is overlaid on the tree's canopy in a pink, sans-serif font.

Interested in conservation



LOVE

LOVE

LOVE

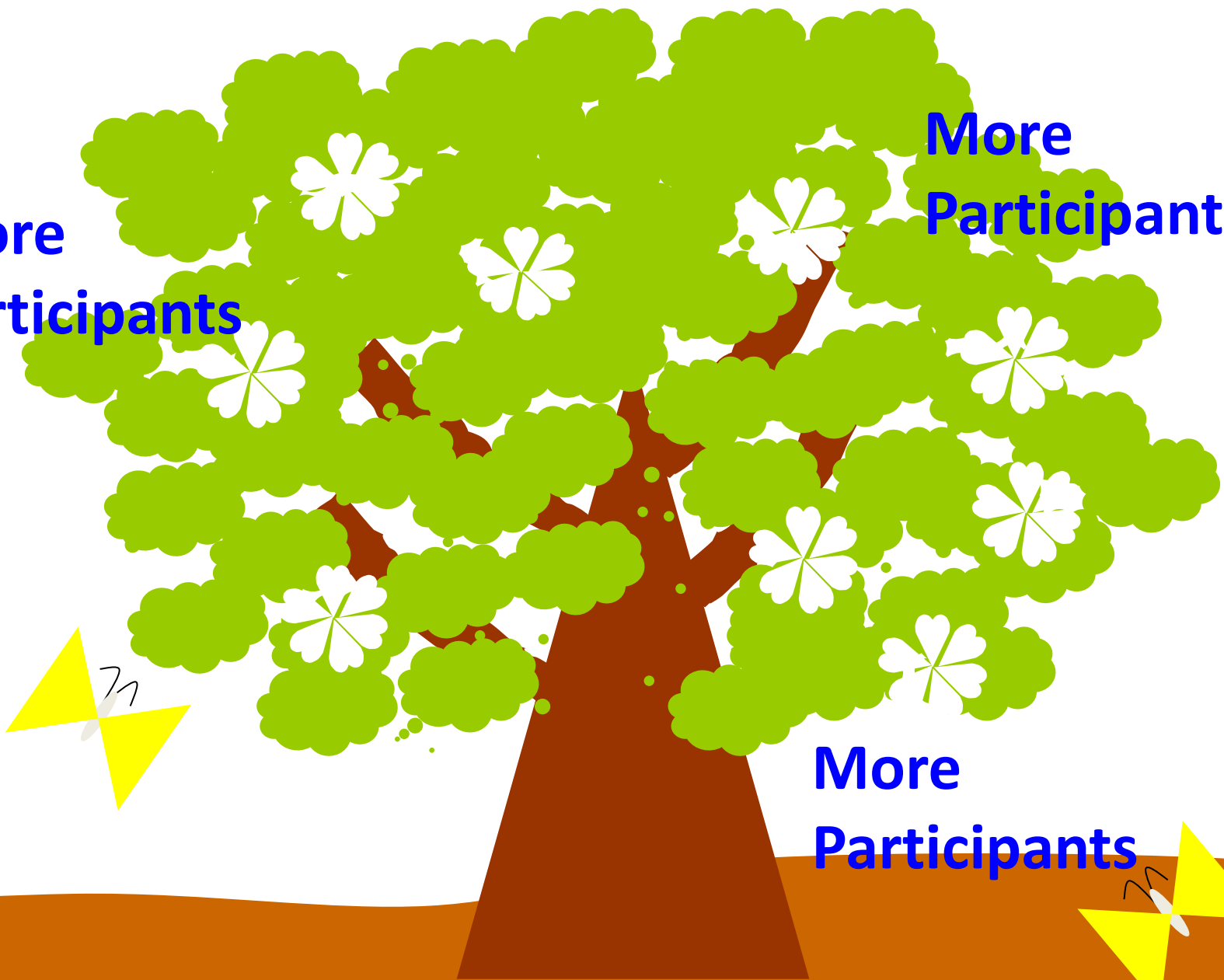
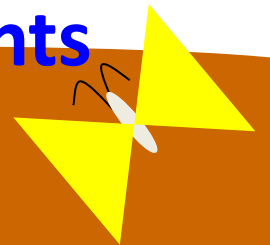
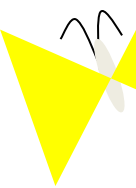
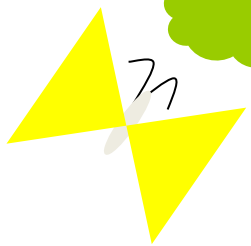
LOVE

LOVE THE NATURE !!!

**More
Participants**

**More
Participants**

**More
Participants**





FURTHER INVOLVEMENT