

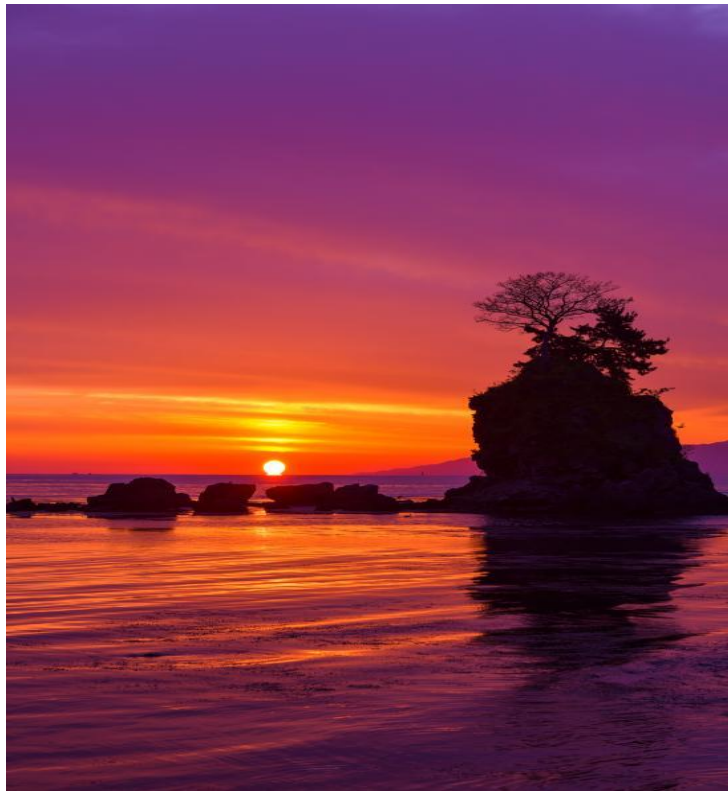
# Youth Environmental Summit 2025 in the Northeast Asian Region

东北亚地区青少年环境峰会

北東アジア地域青少年環境サミット

동북아시아지역 청소년 환경서미트

Экологический симпозиум для школьников региона  
Северо-Восточной Азии



写真提供：(公社) とやま観光推進機構

Amaharashi Coast: This stunning coastal area offers breathtaking views of the Tateyama Mountain Range rising majestically from the sea. There is a different beauty during the daytime and the sunrise/sunset.

**Theme** : **Creating a Sustainable Future with Environmental Conservation**

**August 6(Wed)-7(Thu), 2025**

**Organizer** : **Toyama Prefectural Government (Japan)**

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# Program

Japan Standard Time

## < Day 1 > August 6, 13:00~16:15 [JST, UTC+9] (Group Introduction and Presentation)

Agenda	Outline
13:00 – 13:20 <b>Opening Ceremony</b>	Opening address Region and Member introduction ①Toyama Prefecture, ②Liaoning Province, ③Altai Territory, ④Khabarovsk Territory, ⑤Tomsk Region
13:20 – 14:20 <b>Presentation on cultural thing/attractions/ and activities</b>	➤ <u>Presentation on cultural thing/Attractions</u> (7 min./municipality) ①Liaoning Province, ②Altai Territory ➤ <u>Presentation on environmental activities</u> [ <u>Presentation 7 min., Q&amp;A 3min./municipality</u> ] ①Khabarovsk Territory, ②Toyama Prefecture, ③Tomsk Region, ④Liaoning Province
14:20 – 15:00 <b>Environment Quiz</b>	<u>Answering quiz on Environmental conservation</u>
15:00 – 15:15 <b>Break</b>	—
15:15 – 16:15 <b>Interaction</b>	<u>Free communication</u> among participants

## < Day 2 > August 7, 13:00~16:30 [JST, UTC+9] (Group Activity)

Agenda	Outline
13:00-14:05 <b>Introduction of Municipal Initiatives</b>	<u>Introduction of efforts by local governments</u> for environmental education (waste separation, global warming countermeasures, nature conservation activities, etc.) ①Tomsk Region, ②Toyama Prefecture (including NEAR-env initiatives) <u>Opinion Presentation about Municipal Initiatives</u> ①Liaoning Province, ②Toyama Prefecture, ③Altai Territory, ④Khabarovsk Territory, ⑤Tomsk Region
14:05 – 14:20 <b>Break</b>	—
14:20-16:20 <b>Workshop</b> (Proposals for environmental conservation activities)	<u>Think about what we should be done globally, exchange opinions within the group, and summarize the results.</u> <Theme> “What kind of environmental conservation activities should we engage in from now on?” <u>Presentation on Results</u> ①Tomsk Region, ②Toyama Prefecture, ③Altai Territory, ④Liaoning Province, ⑤Khabarovsk Territory
16:20-16:30 <b>Closing Ceremony</b>	<u>Summary of the Environment Summit 2025</u> * <u>Sharing of summary by Toyama Prefecture students</u> Closing Address

## List of Participants

### Member/Students

PEOPLE'S REPUBLIC OF CHINA	Name	Affiliation, Title	Zoom Display name	Nickname	Breakout Room No.
Liaoning Province					
杨 佳鑫	YANG Jiaxin	Shenyang No.120 High School	Liao_Stu_Wendy	Wendy	1
杨 婉芸	YANG Wanyun	Shenyang No.120 High School	Liao_Stu_Rosalind	Rosalind	2
李 梓侨	LI Ziqiao	Shenyang No.120 High School	Liao_Stu_Lisa	Lisa	3
刘 家瑞	LIU Jiarui	Shenyang No.120 High School	Liao_Stu_Jeremy	Jeremy	2
杨 佳辉	YANG Jiahui	Shenyang No.120 High School	Liao_Stu_Eric	Eric	1
何 芊慧	HE Qianhui	Shenyang No.120 High School	Liao_Stu_Candy	Candy	4
JAPAN					
Toyama Prefecture					
青木 光央	AOKI Mitsuo	Toyama Daiichi High School	Tym_Stu_Mi-chan	Mi-chan	3
鳶田 慶太郎	SHIMADA Keitaro	Toyama Daiichi High School	Tym_Stu_Shima-chan	Shima-chan	4
RUSSIAN FEDERATION					
Altai Territory					
Хан Таисия	Taisia KHAN	Regional State Budgetary Institution for Additional Education "Altai Regional Children's Environmental Center"	Alt_Stu_TAISIA	TAISIA	1
Федотова Яна	Yana FEDOTOVA	Regional State Budgetary Institution for Additional Education "Altai Regional Children's Environmental Center"	Alt_Stu_YANA	YANA	2
Мотина Арина	Arina MOTINA	Regional State Budgetary Institution for Additional Education "Altai Regional Children's Environmental Center"	Alt_Stu_ARINA	ARINA	3
Дорофеева Елизавета	Liza DOROFEEVA	Regional State Budgetary Institution for Additional Education "Altai Regional Children's Environmental Center"	Alt_Stu_LIZA	LIZA	4
Khabarovsky Territory					
Корень Варвара	Varvara KOREN	Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center",	Khb_Stu_Varvara	Varvara	1
Муштаева Варвара	Varvara MUSHTAEVA	Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center",	Khb_Stu_Varia	Varia	2
Галкин Матвей	Matvei GALKIN	Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center",	Khb_Stu_Matvei	Matvei	3
Демидько Владислав	Vladislav DEMIDKO	Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center",	Khb_Stu_Vlad	Vlad	4
Якименко Анна	Anna IAKIMENKO	Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center",	Khb_Stu_Anna	Anna	1
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Tomsk Region					
Корякина Юлия	Julia KORYAKINA	MBOU «Seversk gymnasium»	Tmsk_Stu_Julia	Julia	1
Толмачев Семён	Semyon TOLMACHEV	MAOU "Russian Classical Gymnasium N. 2", Tomsk	Tmsk_Stu_Semyon	Semyon	2
Романович Глафира	Glafira ROMANOVICH	MBOU "Kornilovskaya secondary school"	Tmsk_Stu_Glasha	Glasha	3
Видяпин Евгений	Evgenii VIDYAPIN	MBOU «Secondary School No. 84» ZATO Seversk	Tmsk_Stu_Evgenii	Evgenii	4
Евгений Видяпин	Ulyana CVENTARNAY	MBOU «Secondary School No. 197» ZATO Seversk	Tmsk_Stu_Ulya	Ulya	3
Котляров Никита	Nikita KOTLYAROV	MBOU «Secondary School No. 197» ZATO Seversk	Tmsk_Stu_Nikita	Nikita	4
<u>Instructor</u>					
PEOPLE'S REPUBLIC OF CHINA					
Liaoning Province					
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JAPAN					
Toyama Prefecture					
川上 愛	KAWAKAMI Ai	Toyama Daiichi High School	Tym_inst_Kawakami	Kawakami	
中川 泰子	NAKAGAWA Yasuko	Toyama Daiichi High School	Tym_inst_Nakagawa	Nakagawa	
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Антонюк Татьяна Григорьевна	Tatiana ANTONYUK	All-Russian public-state movement of children and youth “Movement of the first”, RMCY	Tmsk_inst_Tatiana	Tatiana	



Officials/Staff

PEOPLE'S REPUBLIC OF CHINA

Liaoning Province				
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楊 峰	YANG Feng	NPEC, Interpreter (Chinese)	Tym_interprt_YANG	YANG
宋 善珠	SONG Sun Ju	NPEC, Interpreter (Korea)	Tym_interprt_SONG	SONG
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宍戸 公子	SHISHIDO Kimiko	NPEC, Interpreter (English)	Tym_interprt_SHISHIDO	SHISHIDO
桐 由美	KIRI Yumi	NPEC, staff	Tym_interprt_KIRI	KIRI

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Altai Territory				
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REPUBLIC OF KOREA

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Gangwon State				
노 덕연	NOH deokyeon	Gangwon State Office	Gang_staff_NOH	NOH
Gyeongsangnam Province				
이 수인	LEE suin	Gyeongsangnam Provincial Office	Gyeong_staff_LEE	LEE

## Region and member introduction

< Note >

①Liaoning Province

②Toyama Prefecture

③Altai Territory

④Khabarovsk Territory

⑤Tomsk Region

# **Toyama Prefecture (Japan)**

*We'll tell you about  
Toyama  
and  
Our self-introduction*

Toyama Daiichi High School



## New York Times

- Quiet
- Cultural
- Delicious food



## Culture

- traditional festivals
- an original building style



## Detail of traditional buildings style

- nails not used
- an angle of 60 degrees





# **Liaoning Province (China)**





沈阳第120中学  
SHENYANG NO.120 HIGH SCHOOL

沈阳市第一二〇中学



# **Altai Territory (Russia)**

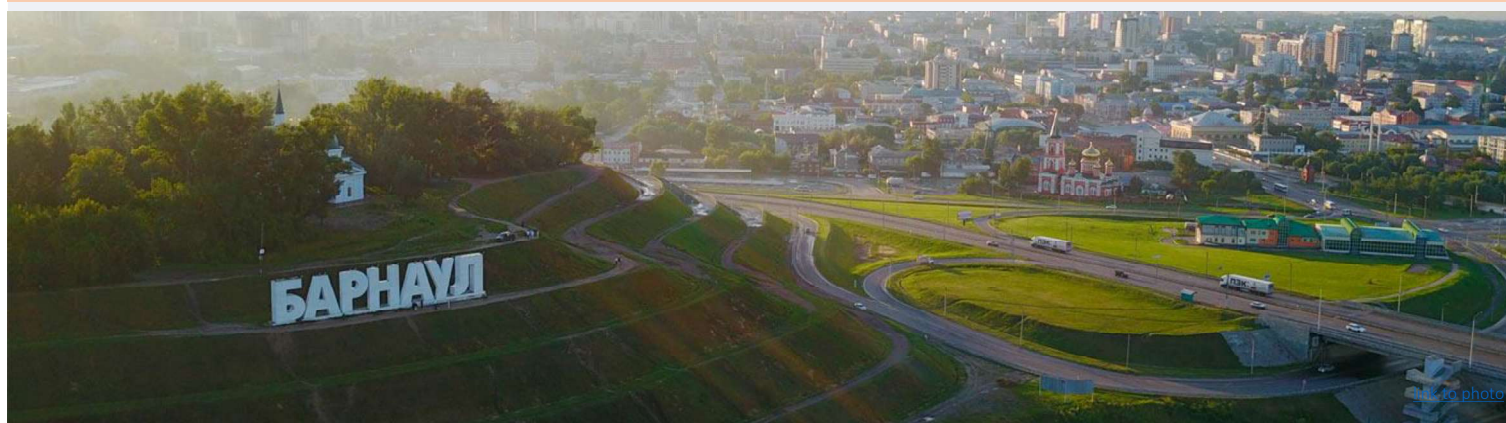


**АКДЭЦ**

## Altai Region, Russia

Altai Krai is one of the most famous and picturesque regions of Siberia, located in the south of Western Siberia. The capital of the region is the city of Barnaul. The history of Altai Krai, as an independent subject of the Russian Federation, dates back to 1937. The territory of Altai Krai is 167,996 km<sup>2</sup>, covering a variety of natural landscapes. The region is famous for its clean nature, picturesque landscapes and rich natural resources. The climate of the Altai region is sharply continental with cold winters and warm summers. In winter, the region turns into an ideal place for skiing and snowsurfing, and in summer - a popular destination for hikers and cyclists, nature lovers and ecotourism enthusiasts

The Altai Regional Children's Ecological Center is engaged in environmental education, the development of environmental culture and the development of the young naturalist movement among children and youth. The Ecological Center implements educational programs, supports school forestry and organizes environmental projects, excursions and creative events to actively involve students in environmental activities

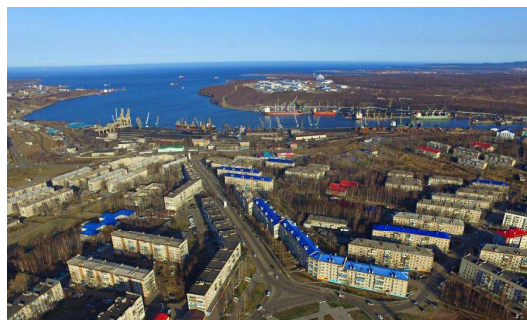




# **Khabarovsk Territory (Russia)**



# Khabarovsk Territory



Vanino work settlement is known for its seaport. It is located on the coast of Vanina Bay in the Tatar Strait of the Sea of Japan. The population of Vanino is 16875 people. Summer lasts only two months, July and August. The average temperature in July is +17 degrees Celsius. It rains 139 days a year. Vanino is classified as an area of the Far North. The nature of the Vaninsky District is beautiful and harsh, with more than 81 % covered by coniferous forests, and many berries, mushrooms, animals, and plants



## Our Extracurricular Activity Center

After school, students from Vanino work settlement attend extracurricular activities at the Center, which include environmental science research, volunteer environmental activities, computer modeling, robotics, checkers and chess, guitar lessons, soft toy making, drawing and more. Environmental science students plant trees, flowers, take care of plants, and clean up garbage



# **Tomsk Region (Russia)**



# Tomsk Region



**The nature of the Tomsk region is represented by forests, swamps, rivers, and lakes. The region is located in the zones of the middle and southern taiga and partially mixed forests.**

**Forests cover about 60% of the territory.**

**There are 18 natural reserves and 145 natural monuments registered in the region.**

**The main river is the Ob River. The length of the Ob within the region is 1065 km. The main tributaries of the Ob that flow into it in the Tomsk Region are the Tom, Chulym, Chaya, Ket, Parabel, Vasyugan, and Tym.**

**The major cities are Tomsk, Seversk, Strezhevoy, and Asino. The administrative center is Tomsk.**







## **Presentation on cultural thing/ Attractions**

< Note >

①Liaoning Province

②Altai Territory

# **Liaoning Province (China)**

# SHENYANG

# 沈阳



## Geographical Location

China



Liaoning



Shenyang



-Central Part of Northeast China

-Capital of Liaoning Province

-Vital transportation Hub



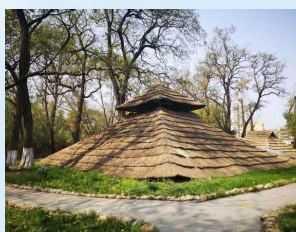
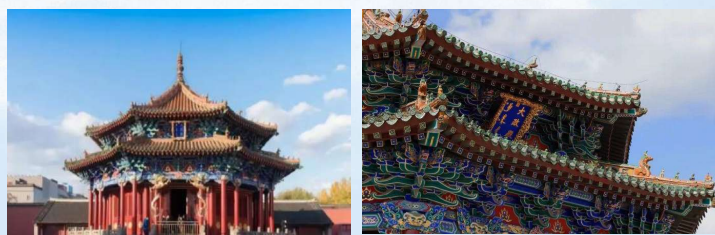


## The Land of Peace and Blessings: A Showcase of Ancient Elegance

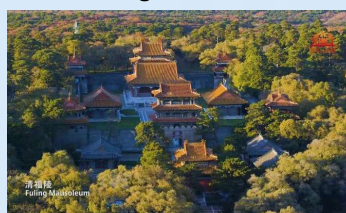
Xinle Site Museum



Shenyang Imperial Palace



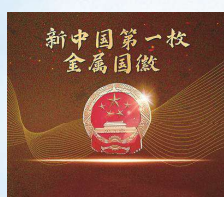
Zhaoling Mausoleum



Fuling Mausoleum



## Ecological Formation: From the "Backbone of Industry" to the "Highland of Innovation"



China's first metal national emblem



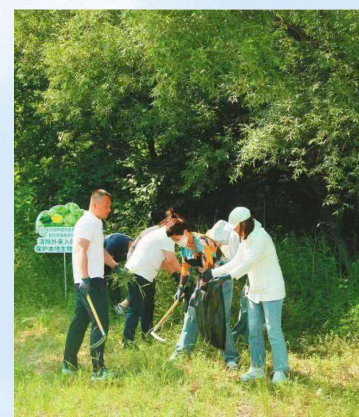
contributions of universities and research institutions



the Zhurong Mars rover



the deep-sea explorations of the Jiaolong submersible



development  
versus  
protection



## Ecological Revival and Urban Transformation: From Steel Sparks to Green Waves



the change of Puhe Wetland Park



Hunhe River



Qipan Mountain Scenic Spot



## The Flavors of Shenyang: A Culinary Philosophy Rooted in Everyday Life



Laobian Dumplings



Majia Shaomai

**Thank you!**



# **Altai Territory (Russia)**



# Russian Federation Altai Territory

The Altai Territory is located in the southeastern part of Western Siberia, bordering the Central Asia.

The region has almost all of the natural zones of Russia: steppes, forest-steppes, taiga, mountainous areas and rich river ecosystems.

Area – 168.000 km<sup>2</sup>

Population – 2.1 million people

Rural population percentage – 41.3%



## «The Siberian Switzerland»

Beautiful mountainous landscapes, clear air and developed infrastructure make Belokurikha comparable to European resorts like Davos and Courchevel



Although the Altai Territory is dominated by steppes and lacks natural waterfalls, the unique «Pesherskiy» waterfall rivals mountain waterfalls in beauty

«Maiden's Pools» in Altai is a picturesque place with crystal-clear water, mysterious legends and mighty mountains, which mesmerize visitors with its natural charm



## «The Land of a hundred Lakes»

The Ob river is the longest river in Russia and the second longest in the Asia. It originates in Altai mountains, runs through all Western Siberia and flows into the Kara sea



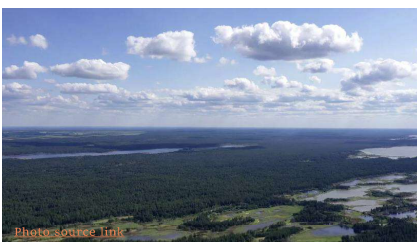
Lake Kulunda is the largest water reservoir in the Altai Territory, attracting tourists with its clear air, bitter-salty healing water and with the opportunity to see rare birds

Lake Kolyvan known as «the Pearl of Siberia». It borders with never-ending steppes and ends in the mountain range of the Kolyvan mountain ridge. The lake is famous for its crystal-clear water, ancient cliffs and rich history



## «Ribbon Forests»

The Kasmalinsky Ribbon Forest is a narrow strip of pine forest that has survived since the Ice Age, stretching 330 km across the steppe



The Barnaul Ribbon Forest is the largest among the Ribbon Forests. It originates near the Ob river in the Barnaul city and stretches for 550 km

### The Legend of the Ribbon Forests' Origin

As the God of Wind wandered over Altai, he glimpsed the beautiful maiden Aigul and decided to take her as his bride. But Aigul refused, as she could never love one so restless and fleeting as the wind. When he finally swept her away to his palace, her sorrow spilled forth in crystalline tears that became the region's blue lakes. The green ribbons from her hair came loose and drifted earthward, transforming into lush deep forests. Thus, were born Altai's miraculous Ribbon Forests and their countless shimmering lakes

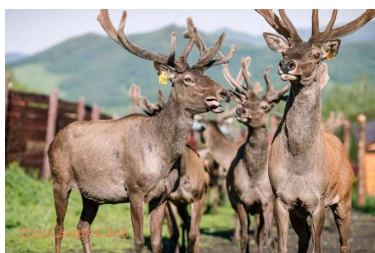


## «Chipmunk – the symbol of Altai Territory»



The chipmunks' settlements are very common in Belokurikha area. You should always bring up with you some snacks, when going out. This funny little animals always approach the tourists, waiting for their snack

The Altai Territory has Western Siberia's only known breeding colony of the long-eared bat. This species is listed in both the Russian Red Data Book and the Altai Territory Red Data Book



Maral deer farming plays a vital role in the Altai Territory, supporting both the production of valuable antler products and the development of ecotourism, while helping preserve regional traditions

Since 1996, over 500 saker falcons have been bred at the Altai-Falcon nursery and released into the wild, helping restore populations of this endangered bird in the Altai Territory and neighboring regions



## «The Cradle of Humanity»

Excavations in the Southern Gallery have helped specify the chronology of our ancestors' presence - Denisovans appeared approximately 300,000 years ago, Neanderthals around 160,000 years ago, and were eventually replaced by Homo sapiens about 50,000 years ago



The remains of a previously unknown human species, which was later called «Denisovans» were discovered in Denisova Cave. In 2022, the Russian Committee for UNESCO submitted an application for the inclusion of this architectural monument on the World Heritage List

The artistic reconstruction of the Denisovan woman.  
Author: Maayan Harel



## «The Granary of Siberia»

Natural and climatical factors allow the Altai farmers to grow high-quality buckwheat, as well as to maintain leadership in harvesting buckwheat in Russia



Colza is in limited demand with Russian population, however it has a growing population overseas, especially in China, where it's used not only in culinary but also in the production of industrial oils

Over the past 20 years, Altai scientists have bred 18 varieties of spring soft wheat. In total, through collaboration with researchers from other Russian regions and Kazakhstan, they have bred 44 varieties of wheat, oats, and barley



## «The Capital of honey and cheese»

The steppe Altai is famous for its endless fields and a great diversity of plants. Which is why the region is considered to be the main source of the famous Altai honey. Compared to Gorny Altai, our region produces 10 times more honey



The honey exhibition-fair annually take place in Barnaul. The beekeepers offer: different honey varieties (meadow, taiga, mountain, and others) along with beneficial apiculture products (pollen, bee bread, propolis)

Altai Territory is a homeland to an elite cheesemaking of Russia. The annual festival of cheese at Altai celebrates the origins of cheesemaking and emerges the visitors in the history of cheesemaking





## «The Melting Pot of Nations»

Large ethnic groups preserved their cultural uniqueness, dialects, customs and religious traditions. For the whole year, needlewomen from different regions have been embroidering the map of Altai



The indigenous peoples of Altai are the Altaians and Kumandins (in the photo). The Kumandins are known as «the Swan People». They are a small-numbered indigenous group. An annual festival celebrates Kumandin culture

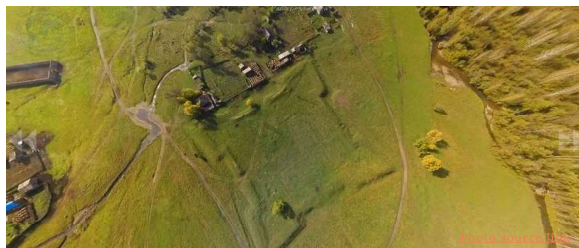
## «The Crossroad of cultures»

## «The Silver Treasury of Russia»

The chancellery of the Kolyvano-Voskresensky Plant is a federally protected architectural monument located in Barnaul. The building is notable as the workplace of inventor Ivan Polzunov from 1762 to 1766



The Kolyvano-Voskresensky Plant in Altai was established in the beginning of the 18th century as one of Siberia's first mining and metallurgical enterprises, becoming a crucial center for ore minerals extraction and processing



The Tigiretsky Outpost is a monument of military engineering art. It was a part of the Kolyvano-Kuznetsk defense line of the 18th century

# The Altai Territory – harmony of nature, history and traditions



## **Presentation on activities**

< Note >

①Khabarovsk Territory

②Toyama Prefecture

③Tomsk Region

④Liaoning Province

# **Khabarovsk Territory (Russia)**



## **Activity summary material**

1. Municipal name

Khabarovsk Territory Government

2. Presenter name (affiliation name)

Varvara Koren, Municipal Budgetary Educational Institution of Additional Education "Extracurricular Activity Center", Vanino work settlement

3. Activity name

Planting and caring for plants, upcycling, environmental education

4. Activity period

2024, 2025

5. Activity place

Vanino work settlement (рабочий поселок Ванино).

6. Number of participants in the activity

120.

7. Background of starting the activity

there is a lack of green spaces in the Vanino work settlement, and there is no system for collecting and recycling items

8. Abstract of presentation(including charts)

(As shown on presentation slides)



## Khabarovsk Territory



Vanino work settlement is known for its seaport. It is located on the coast of Vanina Bay in the Tatar Strait of the Sea of Japan. The population of Vanino is 16875 people. Summer lasts only two months, July and August. The average temperature in July is +17 degrees Celsius. It rains 139 days a year. Vanino is classified as an area of the Far North. The nature of the Vaninsky District is beautiful and harsh, with more than 81 % covered by coniferous forests, and many berries, mushrooms, animals, and plants



### Our Extracurricular Activity Center

After school, students from Vanino work settlement attend extracurricular activities at the Center, which include environmental science research, volunteer environmental activities, computer modeling, robotics, checkers and chess, guitar lessons, soft toy making, drawing and more. Environmental science students plant trees, flowers, take care of plants, and clean up garbage



## A sustainable future is a green future

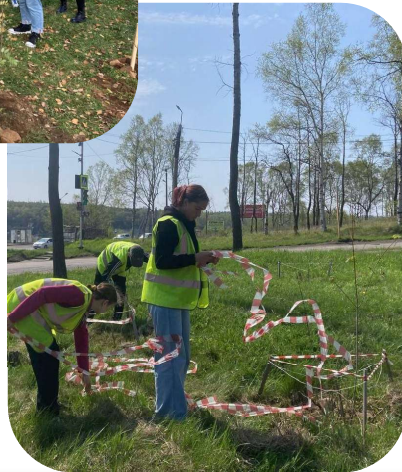


Varvara Koren





I am a volunteer of the environmental group "Dobrye Sily Poberezhya". Me and the guys' work is planting trees in the Vanino work settlement and taking care of the seedlings. During the year, our volunteer team has planted more than 150 trees, shrubs, and flowers



I plant flowers outside, near the houses, and invite other people to join me. The flowers create beauty and a good mood. I suggested that the administration of the Vanino work settlement hold a contest so that residents can plant flowers in their yards. In 2024, 49 people participated in the contest. In 2025, the "Flowers in Every Yard" contest was also announced





I use old things to make new things. Our team's volunteers are involved in upcycling. For example, an old bicycle was turned into an original flower arrangement



I participated in an environmental project for an animal shelter to make animal beds out of old clothes. In 2024, we made 50 bedding items. In 2025, at the Extracurricular Activity Center, we sewed shopping bags from recycled materials

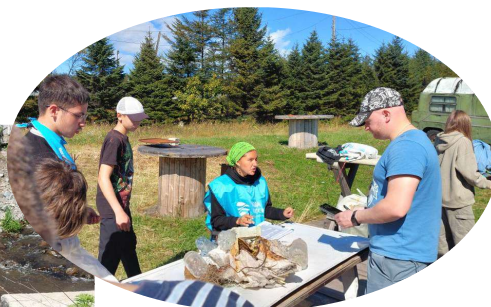




Our environmental team consists of 200 people. New volunteers continue to join us. Our team's volunteers share their useful activities with the community. We organize events such as tree planting and recycling to engage the residents of the village. Together, we can make the Vanino work settlement greener and work towards a more sustainable future



Environmental education promotes environmental protection and encourages action such as participating in clean-up campaigns to remove plastic from rivers, lakes, and seas, or helping with environmental research. In June 2025, 40 volunteers cleaned up the banks of the Peike Creek and Datta Bay





Thanks for your attention!

# **Toyama Prefecture (Japan)**





# Our volunteer activities in Toyama Daiichi High School

富山第一高校

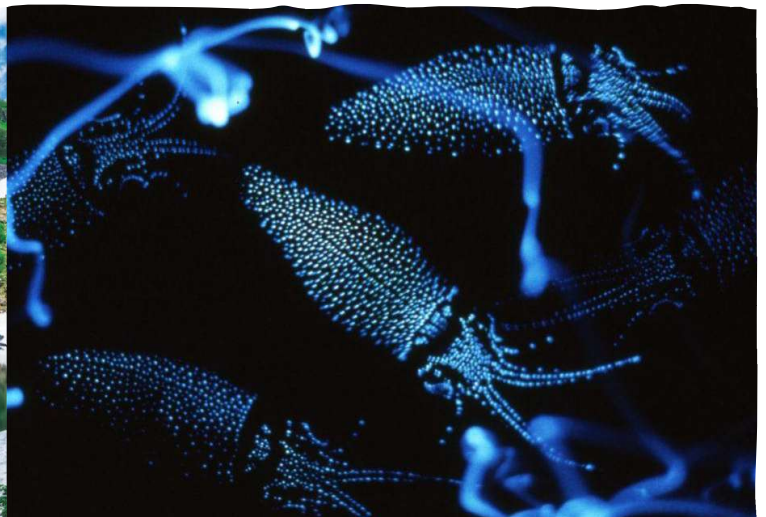
## Nature of Toyama

# What is Toyama like?



## Nature

- mountain range of 3000m high
- very deep sea



## Industry

- growing rice
- fishing
- medicine producing

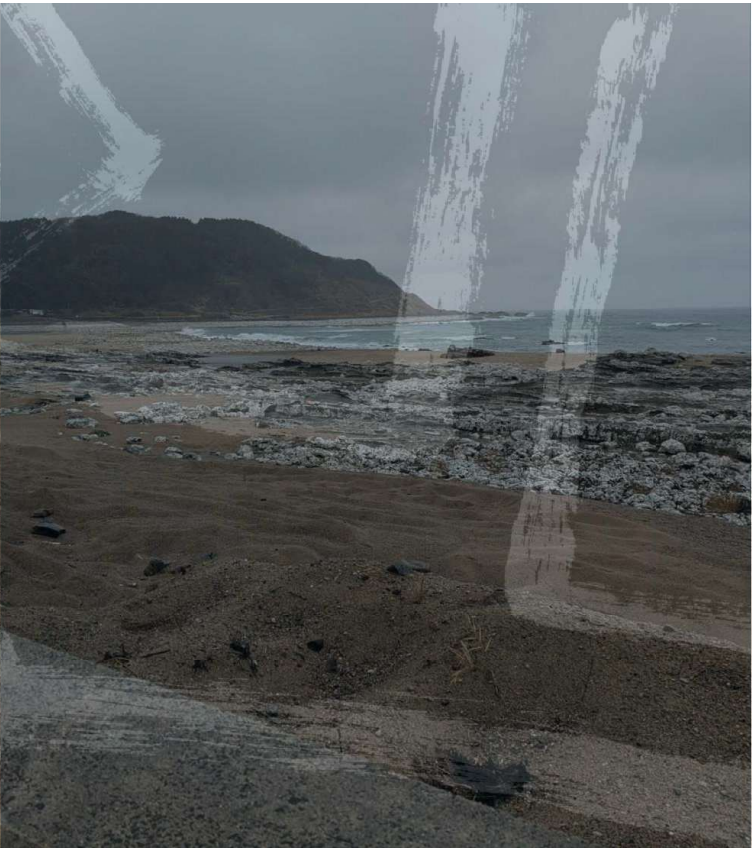


## Our environmental activities









# **Tomsk Region (Russia)**

## Activity summary material

1. Tomsk Region Administration
2. Julia Alexandrovna Koryakina (MBOU «Seversk gymnasium»), Romanovich Glafira Vladimirovna, (MBOU «Kornilovskaya secondary school»), Cventarnay Ulyana Evgenievna (MBOU «Secondary School No. 197»)
3. Field sampling of soil and water, soil profile description and granulometric analysis, meteorological data collection, herbarium and photo-herbarium compilation, laboratory analysis for heavy metals and ammonium nitrogen
4. July 2024
5. The middle course of the Tugoyakovka River, the Larinsky sanctuary
6. 20
7. To study the level of soil and water contamination in the Larinsky sanctuary by heavy metals.

### Field research in the Tomsk region within the project «Boundless Expeditions»

The Boundless Expeditions initiative by the First Movement allows youth to engage in scientific and environmental fieldwork in protected natural areas. The goal is to develop naturalist skills and promote environmental awareness.

Tomsk Region — known for diverse ecosystems. Focus areas: gray forest soils and the Tugoyakovka River.

The main purpose of study was to assess the level of soil and water pollution of the Larinsky sanctuary with heavy metals. To achieve this goal, the following tasks were set:

1. Field sampling of soil and water
2. Soil profile description and granulometric analysis
3. Meteorological data collection
4. Herbarium and photo-herbarium compilation
5. Laboratory analysis for heavy metals and ammonium nitrogen

#### Key conclusions that have been drawn:

- Chromium and cobalt exceeded permissible levels in soil
- Chromium levels were higher in coniferous areas
- Ammonium nitrogen levels in water increased during summer
- Chromium affects plant growth; cobalt is useful in small amounts but toxic in excess
- Ammonia in water poses health risks (respiratory and neurological)

Significant contamination with chromium, cobalt, and seasonal ammonia spikes indicate the need for environmental monitoring. Drinking water from the Tugoyakovka River during summer is not recommended.

Youth participation in such expeditions fosters scientific engagement and ecological responsibility.



Первые



**Tomsk region**

**Ecology**

**Boundless Expeditions  
Project**



## **Movement of the First**

- **Engage Youth in environmental and scientific fieldwork**
- **Focus on protected natural areas**
- **Supported by Movement the First**

Первые



# Study Area

- **Tomsk Region**
- **Larinsky Nature Sanctuary**
- **Tugoyakovka River (30 km urban stretch)**

Первые



## Methods & Tasks

- **Collect soil and water samples**
- **Describe soil profiles**
- **Monitor weather conditions**
- **Create herbarium**
- **Lab analysis for heavy metals**



Первые



# Soil Results

- **Chromium and cobalt exceed norms**
- **Likely sources: metallurgy and coal combustion**
- **Impact: slows plant growth, leaf dieback**

№	Indicator	Measurement result, mg/dm <sup>3</sup>	Measurement error at P = 0.95	The norm, mg/dm <sup>3</sup>
1	Hydrogen index (pH) of salt extract	7,34 ед. pH	0,1 ед. pH	
2	Mass fraction of cadmium (gross content)	0,101	0,03	2
3	Mass fraction of chromium (gross content)	2,81	0,84	6
4	Mass fraction of arsenic (gross content)	0,54	0,16	10
5	Mass fraction of cobalt (gross content)	6,87	2,06	5

Первые



# Water Results

- **Ammonium nitrogen increases in summer**
- **Ammonia affects human health**
- **Recommendation: avoid river water in summer**

№	Indicator	Measurement result, mg/dm <sup>3</sup>	Measurement error at P = 0.95	The norm, mg/dm <sup>3</sup>
1	Chromaticity, degree of chromaticity	13,5	2,7	
2	Turbidity	1,16	0,23	
3	pH value	8,2	0,2	
4	Mass concentration of ammonium ions	0,17	0,06	0,4
5	Mass concentration of dissolved forms of iron	0,1		0,3
6	Calcium mass concentration	53,6	5,9	180

Первые





# Conclusions

- **Soil and water pollution confirmed**
- **Ongoing monitoring needed**
- **Youth involvement promotes sustainability**



Первые



# Thanks!

**Do you have any questions?**



Первые



# **Liaoning Province (China)**



## BRIEF INTRODUCTION



Founded in 1954

Provincial Demonstration School

Eco-education



## BEAUTY OF CAMPUS

PARK

SQUARE

WALKWAYS

PARK

TEACHING BUILDING

SP



## ENVIRONMENTAL CONTRIBUTIONS

STEP1



Garbage Sorting Know-How

STEP2



Eco-Themed Sessions

STEP3



Campus Green Practices



## ENVIRONMENTAL CONTRIBUTIONS



- Environmental Competitions
- School's Eco-Club
- Tech-Driven Environment
- Eco-Monitoring in Schools

# THANK YOU

## Environment Quiz

< Note >

Q1.

Q2.

Q3.

Q4.

Q5.

Q6.

Q7.

Q8.

Q9.

Q10.



## Interaction

### Two Truths and a Lie

◆ Preparation: Make three sentences about yourself. Two of them are true, and another is a lie

◆ How to play:

1. Tell the three sentences twice.

<Example> **“Hi. I’m (nickname or real name).**

**No.1: I love spicy food. No.2: I play the piano. No.3: My favorite movie is Harry Potter.”**

2-1. Choose one person to guess which one is a false info. about you.

**“Which one is a lie ? XXX, what do you think?”**

OR 2-2. Ask every member to guess which one is a false info. about you, and show the answer with fingers.

**“Now, everybody, which is a lie about me? Show me your answer with fingers.”**

3. Tell the answer, give one point to the person who found the correct answer, and choose the next person.

**“The lie is No. 2. I can’t play the piano. XXX, you’ve got one point! Now, YYY, it’s your turn.”**

4. After everyone took their turns, count how many points they’ve got to find the winner.

## **Introduction of Municipal Initiatives**

< Note >

① Tomsk Region

② Toyama Prefecture (NEAR environmental Subcommittee)



# **Tomsk Region (Russia)**



Regional Committee for Environmental Protection and  
Natural Resource Management (RCEP)

# PROTECTED AREAS IN ENVIRONMENTAL EDUCATION

Tomsk 2025



## PROTECTED AREAS

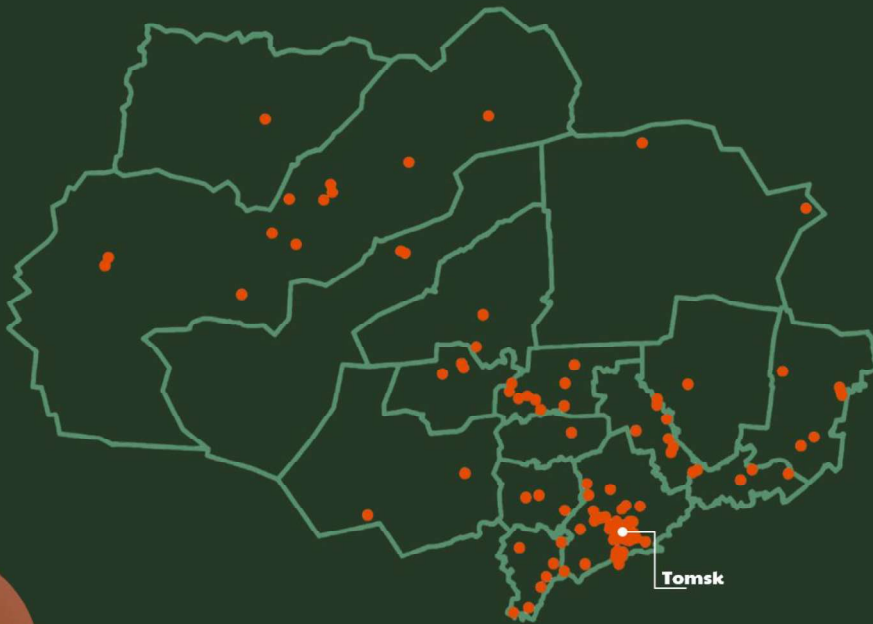
clearly defined geographical space,  
recognised, dedicated and managed,  
through legal or other effective means,  
to achieve the long term conservation  
of nature with associated ecosystem  
services and cultural values.

**IUCN Definition, 2008**



2

# PROTECTED AREAS (PA's) IN TOMSK REGION



- **187 PA's**  
The total area is approximately

**1,296,247 ha**

- **4.1%**

3

**110 PA's of regional importance**

**76 PA's of local importance**

**1 PA of federal importance**

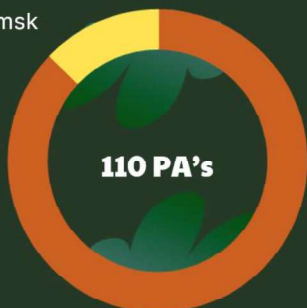
4



# PA's of Regional Importance

**14 PA's**

Department of  
Hunting and  
Fisheries of Tomsk  
Region



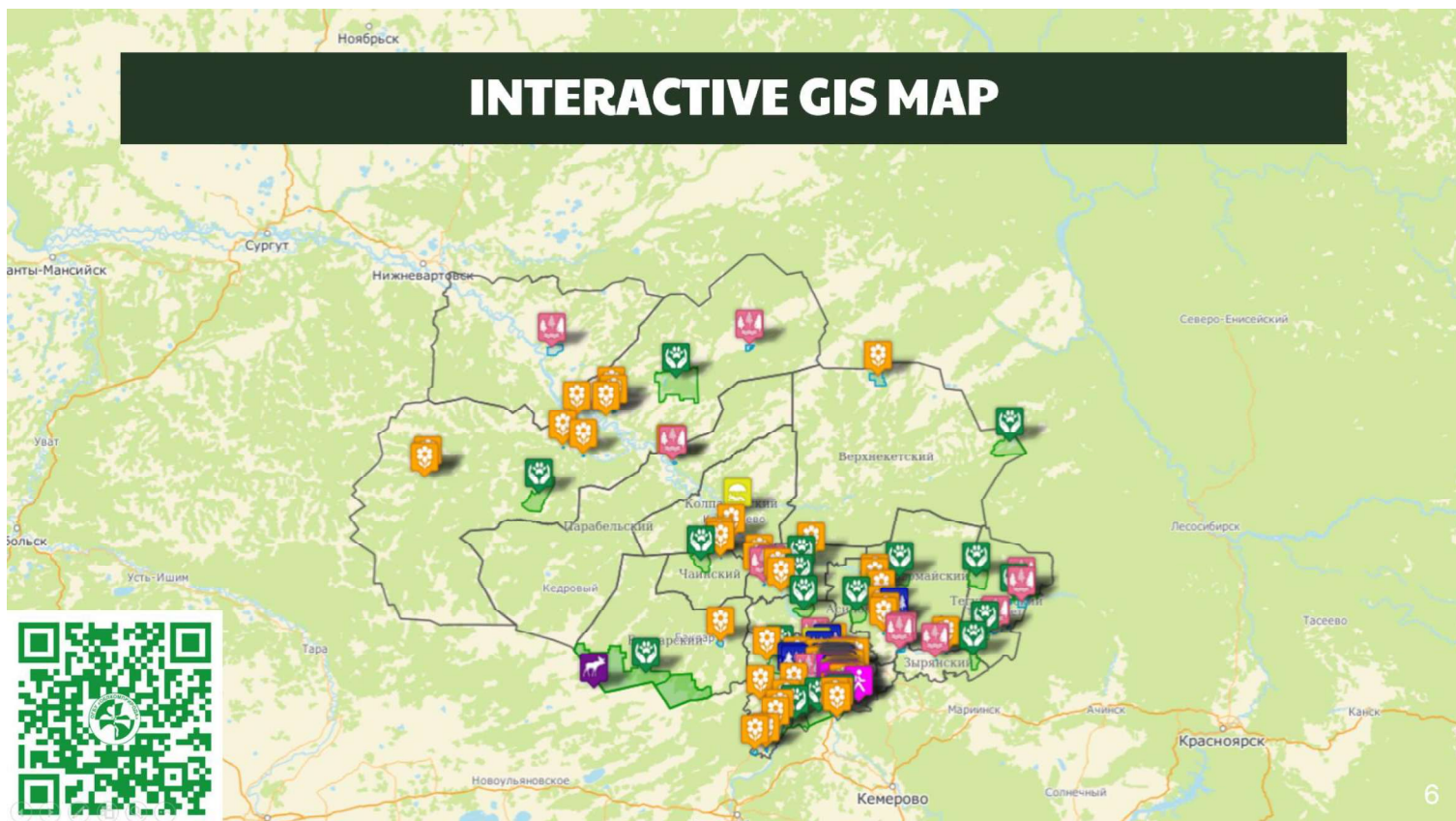
**96 PA's**

Department for  
Natural Resources  
and Environmental  
Protection of Tomsk  
Region



5

## INTERACTIVE GIS MAP



6



## ANNUAL FIELD PATROLS



7



## BIOTECHNICAL MEASURES



8



## COLLEGE STUDENTS ENGAGE IN ENVIRONMENTAL ACTIVITIES IN 'LARINSKIY RESERVE'



## 'MARCH FOR PARKS'





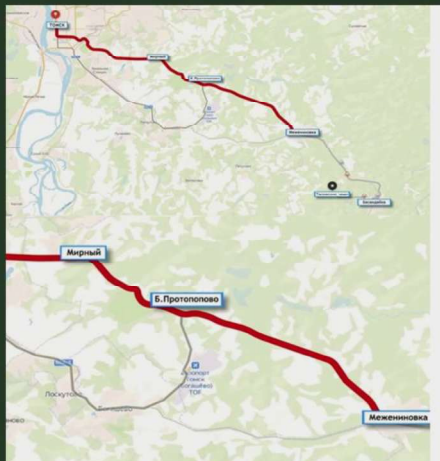
# TOUR FOR COLLEGE STUDENTS TO A MONUMENT OF NATURE 'STAR SPRING'



11



## VIDEO GUIDES



ДОРОГА НА ТАЛОВСКИЕ ЧАШИ

12



**‘THERE IS AN  
ALTERNATIVE’**



**WORKING TOGETHER FOR THE  
ENVIRONMENT**



# THANKS!

**Do you have any questions?**

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+7 (3822) 903 896

[ogbu.green.tsu.ru](http://ogbu.green.tsu.ru)



15



# **Toyama Prefecture (Japan)**

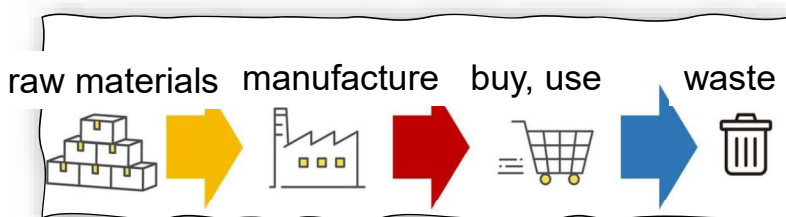
# Efforts to promote the reduction of plastic emission in Toyama Prefecture



Environmental Policy Division  
in Toyama Prefecture

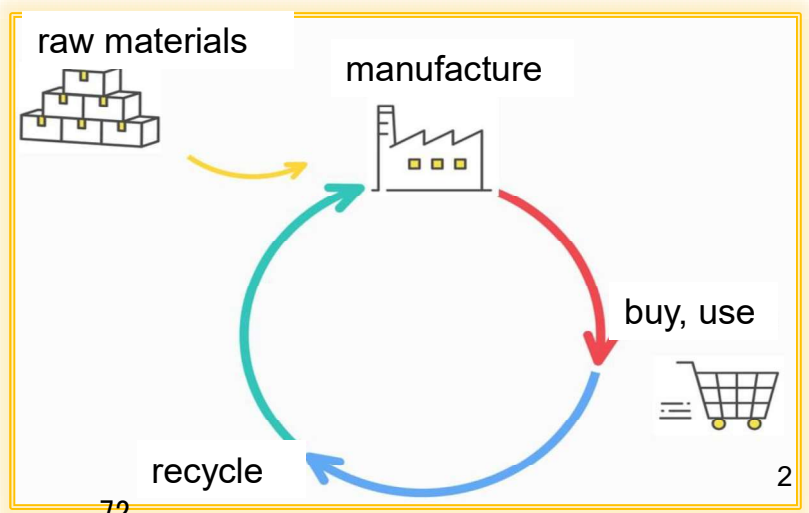
1

From mass consumption society  
to circular economy



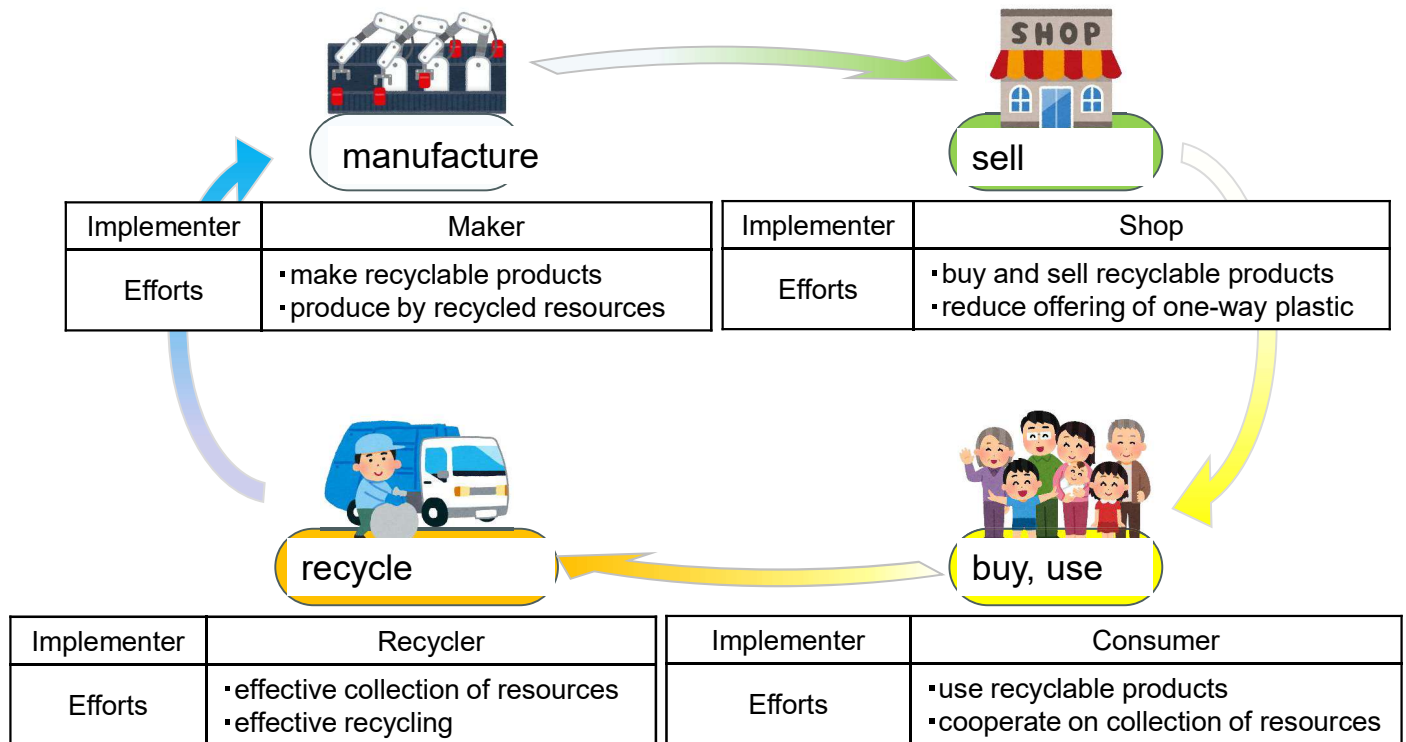
mass consumption society (one way)

circular economy



# Efforts to realize circular economy

To realize circular economy, we must work resource recycling at all lifecycle from production to collection after use.

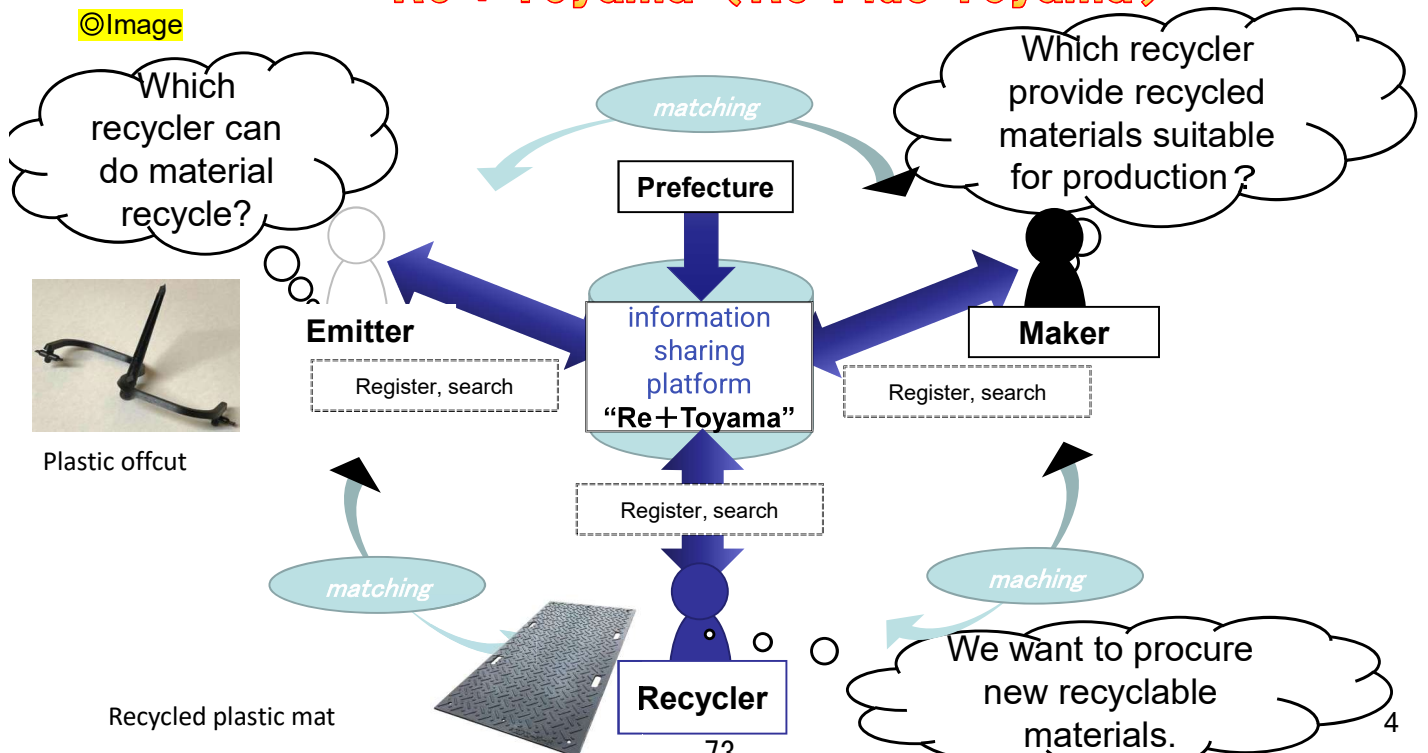


3

## Efforts for maker (Re Plus Toyama)

- To promote the transition to recycling plastic, we established matching site as information sharing platform for businesses.

“Re+Toyama (Re Plus Toyama)”



73

4

## Efforts for shop and consumer (Eco Store)

- The effective use of resources leads to a reduction in energy consumption and contributes to measures against global warming.
- Toyama prefecture register stores that collaborate with residents on low carbon initiatives such as collect of container and packaging, the sale of environmentally friendly products, and proper use of air conditioner.

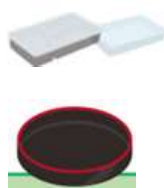
### Shop's efforts

Collect and recycle milk carton and plastic container



Display Educational materials of Toyama prefecture.

Reduce weight of container and packaging



### [Number of registered stores]

2013. 10. 20 53 companies, 511 stores  
2025. 4. 3 61 companies, 988 stores  
6 shopping streets

super market, Dry cleaner, drugstore, home center, stationery store, electronics store (small appliance collection), bookstore, clothing and department store, flower shop, convenience store etc.



Symbol mark "eco boy"

### The effect of reduction of CO2

**35,993 t-CO2  
(2023)**



## Efforts for recycler

In Japan, at first, plastic used for packaging products and containers for food is required to be recycled along with other "container packaging" such as cans and bottles since 2000.

Since 2022, the "Plastic Resource Circulation Act" has imposed a duty of effort towards reduction and recycling of all plastic.

In Japan, municipalities collect household waste. To promote plastic recycling, municipalities start to collect all plastic at once.

Uniform material is easy to recycle.

Difficult for recycling

### Container and packaging

Glasses and cans



Paper container



PET container



Plastic container



### Plastic products

Plastic products except for container and packaging





# The effect of plastic recycling (reduction of washed-up litter)

- To reduce washed-up litter, it is important to promote cleaning activities by volunteers and to raise awareness among residents about the proper collection of resource materials (ex. plastic, bottle, can ...) not only in coastal area but also in all Toyama prefecture..

Biological effects of washed-up litter



資料：BIOSPOTO/時事通信フォト



7

## Toyama volunteer club for reduction of washed-up litter

- We established “Toyama volunteer club for reduction of washed-up litter” with companies, volunteer groups, and so on in July 2022.
- Members of this club cleaning along the coast, in the town, and in the neighborhood, as well as efforts to spread awareness about washed-up litter among people close to us.
- Toyama prefecture promotes their activities and transmits information.



8



## The Environmental Subcommittee of North East Asia Regional Governments (NEAR)

### Toyama Prefecture

1



## The Environmental Subcommittee of NEAR

◆ To promote environmental conservation, Discuss on current situation and issues in environmental protection and future improvement plan.

### Individual Projects (From April 2025 to March 2026)

- 1 Youth environmental summit in the Northeast Asian region
- 2 Survey and educational activity to reduce washed-up litter at source
- 3 Environmental poster exhibition in Northeast Asia
- 4 Survey of coastal organisms
- 5 Contest of Photos "Eco-selfie – selfie with utility"
- 6 Biological seasonal survey in Northeast Asia

2



## ① Youth environmental summit in the Northeast Asian region

○ To strengthen friendship and promote environmental conservation in Northeast Asia, youths summit with online and exchange opinions about environmental problems.

**Period** : From 5<sup>th</sup> August to 6<sup>th</sup> August

**Summary** :  
 ・ Presentation of environmental activities by students.  
 ・ Workshop about environmental conservation.

< The result in 2024 (human resources development for youths in Northeast Asia) : participation of 26 students from five municipalities in three countries >

### What we are doing to protect the ocean

「100万人のゴミ拾い(1 million people picking up trash)」  
 We picked up trash around Fushiki Manyo Pier.



Presentation of environmental activities



Exchange of students



## ② Survey and educational activity to reduce washed-up litter at source

○ To raise public awareness of washed-up litter and waste problems, survey washed-up litter, hold study sessions on reducing washed-up litter at source.

**Period** : From July to November in 2025

**Summary** :  
 ・ Collect washed-up litter and survey number and weight by type.  
 ・ Upcycle artwork by washed-up litter .

< The result in 2024 : participation of eleven municipalities in three countries >



Survey of washed-up litter



Production meeting





### ③ Environmental poster exhibition in Northeast Asia

○ Take applications for environmental posters and exhibit them to raise public awareness of environmental conservation.

Period : 5<sup>th</sup> June in 2025

Summary : · Take applications for environmental posters of children in Northeast Asia and exhibit excellent posters at Gyeongsangnam-do in Korea.

< The result in 2025 :  
display of 75 posters from twelve municipalities in five countries >



Photos of poster contest



### ④ Survey of coastal organisms

○ To raise public awareness of environmental conservation and biodiversity conservation, survey coastal organisms.

Period : From July to September in 2025

Summary : · Collect coastal organisms and record species and photos in Northeast Asia.  
· Check indicator of global warning (example Burrowing crab) .

< The result in 2024 : participation of five municipalities in two countries >



Photos of survey





## ⑤Contest of Photos “Eco-selfie – selfie with utility”

○By photo contest related to environmental conservation, promote participation of environmental conservation activities by citizens.

Period : From April to December in 2025

Summary :  
 ・ Tomsk Oblast in Russia takes applications for selfie related to Afforestation, cleaning activities, eco life and so on.  
 ・ Award excellent photos.

< The result in 2024 :

332 applications from thirteen municipalities in three countries >



The winning entry



## ⑥Biological seasonal survey in Northeast Asia

○To promote concern of decarbonization, survey indicator of global warming, and hold study group.

Period : From May to December in 2025

Summary :  
 ・ Survey indicator of global warming in Northeast Asia.

・ Study sessions about climate change.

<The result in 2024 : participation of two municipalities in two countries>



Display of Survey of Phenology



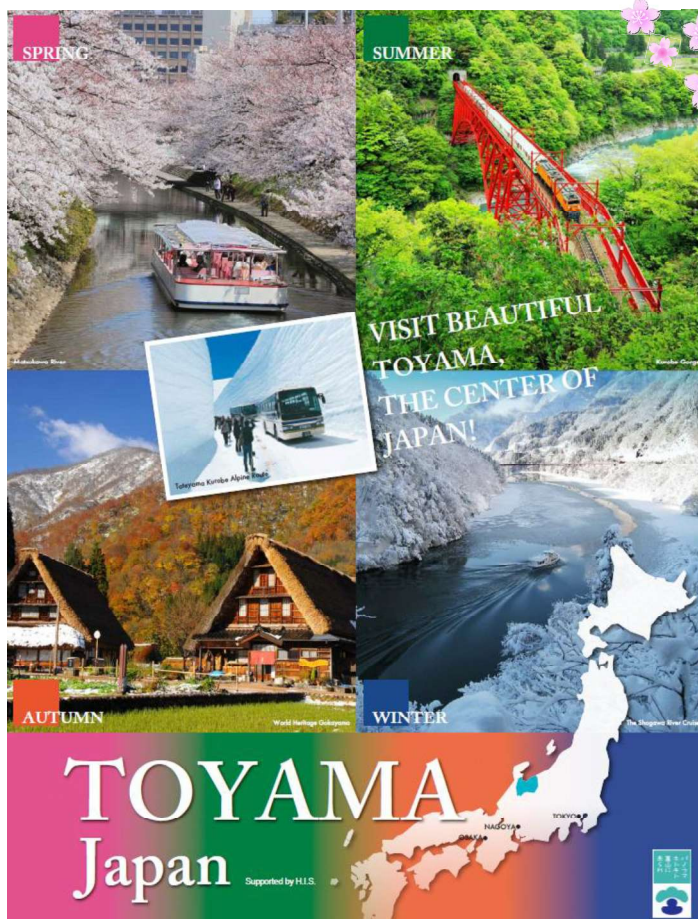
study group about climate change



I'd like to check the website of Northwest Pacific Region Environmental Cooperation Center (NPEC) if you are interested in these programs.

URL : <https://www.npec.or.jp/>





Thank you for  
your attention



## **Workshop**

### **(Proposals for environmental conservation activities)**

< Note >

①Tomsk Region

②Toyama Prefecture

③Altai Territory

④Liaoning Province

⑤Khabarovsk Territory

# WORKSHOP

## PROPOSALS FOR ENVIRONMENTAL CONSERVATION ACTIVITIES

---

## OUTLINE

---

**Based on the environmental conservation activities of each group and the environmental efforts of local governments, please exchange opinions within your group on activities you think should be undertaken globally in this Northeast Asia region, and summarize the results in a PowerPoint slide.**





# HINTS ON HOW TO PROCEED

- **Let's react to team member's opinion.**
- **Let's connect your opinion to another opinion.**
- **Let's associate your activities with the environmental problems of local governments.**
- **Think about how you can incorporate the good points of other groups' activities or local government efforts into yours or others'!**

## PROPOSAL FORMAT (EXAMPLE)

<p><small>We are the ones who will create the future of the earth!</small></p> <h1>Proposal Title</h1> <p>« Group name »</p>	<h3>« Issues and Background »</h3> <ul style="list-style-type: none"><li>➤ What environmental issues are you addressing?</li><li>➤ Why did we focus on this issue? (Background, Current Situation, problems)</li><li>➤ What happens if left unattended?</li></ul> 
<h3>« Purpose and Contents of the Proposal »</h3> <ul style="list-style-type: none"><li>➤ Who will be involved in the project and how? (Target audience)</li><li>➤ What specific activities/measures are being undertaken? (Content, Period, Place, location, implementation method, etc.)</li><li>➤ Insert diagram or image if available</li></ul>  	<h3>« Expected Outcome »</h3> <ul style="list-style-type: none"><li>➤ What positive changes could be made if we all worked on this project together?</li><li>➤ Feasibility (cost, cooperation, duration, etc.)</li><li>➤ Summary and thoughts as a high school student perspective</li></ul> 

# TIME SCHEDULE

(JST(UTC +9))

**Only  
80 minutes!**

- 14:20-15:00 Decide what to propose
- 15:00-15:20 Create presentation slides
- 15:20-15:40 Prepare a manuscript for presentation
- 15:40 Stop your Working.
- 15:40-16:20 EXPLANATION + Q&A  
(5 min./group × 5 group)

