



Resilient City

What can we do to achieve
the Sustainable Development Goals (SDGs)
and urban resilience?!



京都市
CITY OF KYOTO



Prologue



We will soon arrive 20 years ago.

Finally.



3
2
1
We have arrived.



It's time to meet them.

Please be careful and good luck.



I am looking for a volunteer fire brigade around here. Do you know where it is?

Profile of Character



Strange man

His name is Reijiro. He is a strong man who came to Kyoto city in present time from Kyoto city in 2040. He works at a fire department in the future world and has deep knowledge about the activity of Resilience.



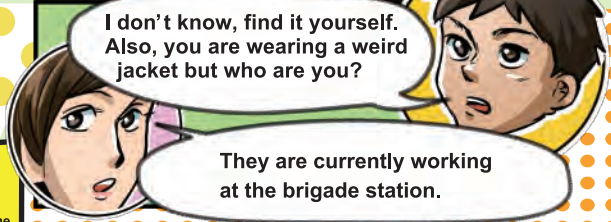
BOY

He is a curt middle school student. Actually, he is full of curiosity, and wishes to be a strong man such as a member of Japan National Rugby team. So, he is wearing a cloth, which is very similar to the uniform of Japan National Rugby team.



MOM

She is a mother for the boy and his younger sister.



I don't know, find it yourself. Also, you are wearing a weird jacket but who are you?

They are currently working at the brigade station.

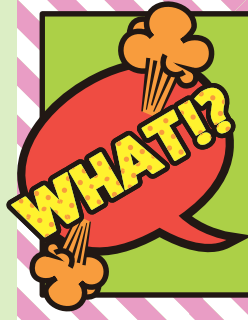


I came from 2040 to inform you and others in present time that Kyoto is still a resilient city in the future, thanks to your hard work.

Wow, how did you do that? It is awesome.

What is a Resilient City?

You might not be familiar with the term "Resilient", or "Resilience" shown later on. However, you will be able to learn what they mean through this booklet.



Let's begin for disaster prevention activities

I would like to see the activity of the volunteer fire brigade in this time period. You should come with me, I'm sure that you will learn something as well.

Sounds fun, I want to go.

Mom, you should come as well.

OK let's go, Rei.

Fire fighting training (spraying of water)

Wow! This volunteer fire brigade is so active! In the city of Kyoto, women and students are also active members of the volunteer fire brigade.

Wow, it's so cool. I want to try.

The national government and local governments constantly reinforce buildings and manage rivers to minimize the impact of disasters, but still, they occur at times. Therefore, it is crucial to cooperate in emergencies.

Wow! How powerful!

Sandbag installation training

Fire Prevention Guidance to visit Elderly home

It's reassuring to have personal fire prevention guidance for elderly people.

Other than the volunteer fire brigade, there are about 6 organizations that care for the elderly. Firstly, a local voluntary disaster prevention community established by local residents. Secondly, a flood defense team. Thirdly, a local welfare commissioner that plays an important role in life consultation for elderly people. Fourth, an elderly welfare committee. And fifth, a council of social welfare. Thus, elderly people are always kept an eye on.

I help out the elderly as well. When we had a huge typhoon, I helped an elderly woman next to my house to go to the shelter.

You did a good job.

It was also awesome that you asked a team leader in the shelter if you could help with something else.



Next, let's have a look at school and local activities!

The local cohesion which keeps the community safe



Watch-over squad for school kids

People at my little sister's school zone also watch over all of the students.

When I think about it, the district athletic meet that Rei joined this year, can also be seen as one of the local activities.

School district athletic meet

Yup that's right! The athletic meet in the school district is one of the big events that makes everyone including kids and old people united.



The locals support us at my middle school as well.



The event of School steering committee

Yes, they do. The school steering committee coordinates with the local industry to hold the learning event. We are always thinking about the kids no matter what time period it is.



Preserve traditions of Kyoto

Culture, art, and the streetscape of the city all relate to resilience building.

Really?

Food culture

Tea ceremony

Art of calligraphy

Art of flower arrangement

Traditional performing art (NOH / Kyogen etc.)

Alcove

Tatami mat

Is that the distinctive Kyoto atmosphere which dad mentioned before?

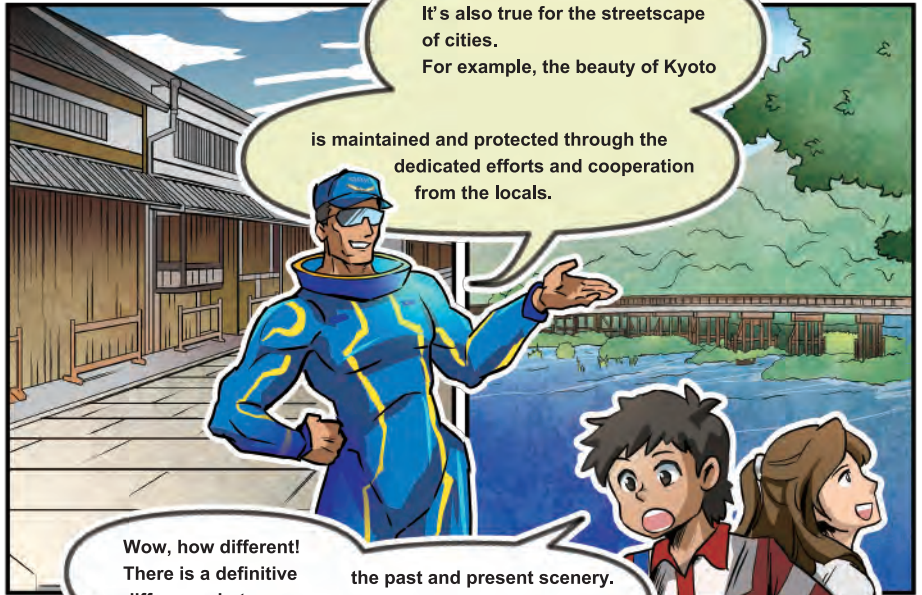
That's right, Rei.

Incense burning

The city of Kyoto, which you live in, has more than a thousand-years of history. The food culture in Kyoto, such as Kyo-ryori (local cuisine of Kyoto) as well as the tea ceremony, the art of calligraphy, the art of calligraphy, the art of flower arrangement, and the traditional performing art have been long developed in the city.

In the city of Kyoto, the old culture is still alive. For example, Jizo-Bon continues to be one of the traditional cultures of Kyoto.

Jizo-Bon is a very important event for communication in the local community. It's important to cherish these cultures in our everyday life.



It's also true for the streetscape of cities.
For example, the beauty of Kyoto

is maintained and protected through the dedicated efforts and cooperation from the locals.

Wow, how different!
There is a definitive difference between

the past and present scenery.
Even the atmosphere of the Gion festival is different now.

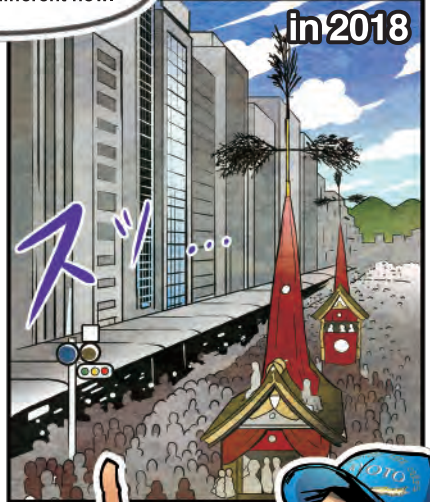
in 2007



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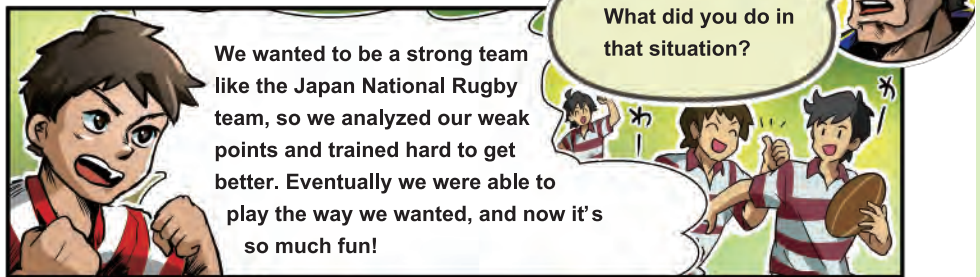


スツ...

The height of the buildings as well as the advertising on the signboards, are strictly regulated.



Maintaining a Resilient Mindset





What is a Resilient City?

Resilient cities are cities that have the ability to absorb, recover and prepare for future shocks and stresses (natural disasters, economic, environmental, social, institutional, and more). No matter what happens, a resilient city keeps recovering and preparing for any difficult situation.

Kyoto city has developed a “resilience strategy”, aiming to keep the city attractive over the next 50 years.



Strange man

Here, you can find some practical tips and best practices for resilience building!

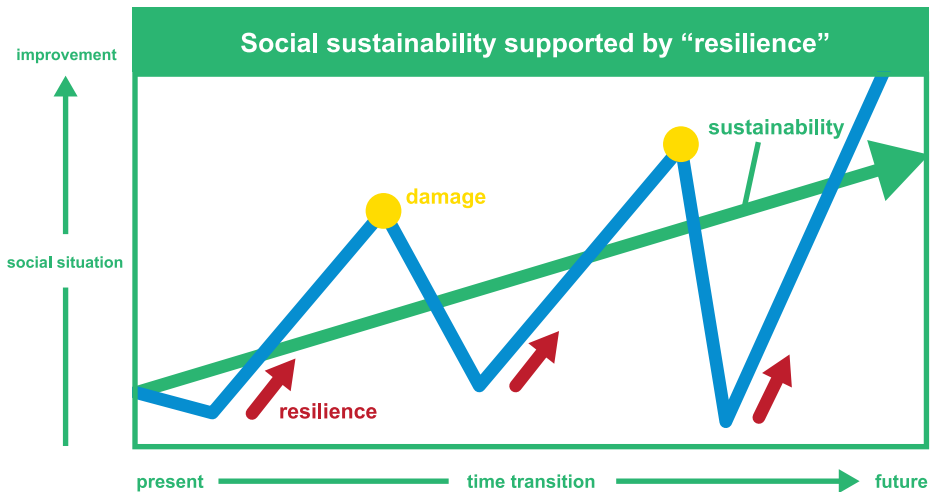


What is Resilience?

“Resilience” is typically defined as the ability to recover from various difficult situations while withstanding challenges and bouncing back better than before.

For your better understanding, I will show you some examples below:

You had a bone fracture, and after you completed your rehabilitation, it became stronger than before. After a forest fire, the forest was able to recover its beautiful natural environment again after several years. These examples are showing the ability to withstand adversity and bounce back from difficult life events.



How to develop a “resilient mind”

- Prepare for the unexpected, and develop strength against adversities.
- Think positively, turning challenges into opportunities.
- Have the courage to ask others for help when you need it.
- Consider the people, animals, and circumstances around you.
- Never be afraid of failure, and keep trying on new things.
- Collaborate with everyone in the community and school.
- Learn and contribute to the community.

After half a year...

Reunion



Mr. Firefighter,
I'm starting to get the
hang of it.

Working hard huh. Good job!

Hello, Mr. Reijiro.

Have you studied about
Resilient City since the last time
I met you?

That's good,
maybe you should
try filling this out.

Of course, I have.

Let's see how resilient you are!



1 I always take initiative to do house chores.

2 I always exchange greetings with my neighbors.

3 I actively participate in local events including festivals and athletic meets.

4 I participate in several events regarding arts and cultures.

5 I want to contribute to the community where I live.

6 I try to use public transportation as much as possible whenever I go out.

7 I always try to save energy such as by turning off the light of rooms I don't use as well as closing the door of refrigerators as soon as I can.

8 I actively try to separate trash in categories, and also try to decrease the amount of trash I produce.

9 I have a stockpile and emergency supplies, and share them with my family.

10 I have adopted safety measures such as a stick which prevents a drawer/chest from falling down.

How many checks did you have?

- 0-3 : You lack resilience. Start building more resilience into your life.
- 4-7 : You're almost there. Please continue to develop it!
- 8-10 : Congratulations on your efforts so far! Continue to fine tune your efforts.

Let's do some review!

Let's talk and discuss together how these efforts can lead to resilience, referring to page 8!

How many did you check off?



That's great to hear.

Let me introduce you to some key actions of resilience.

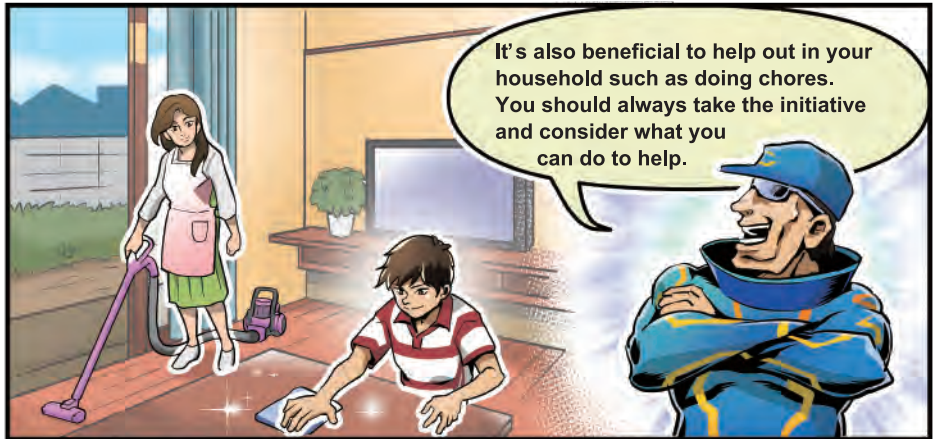


Resilience actions at local level

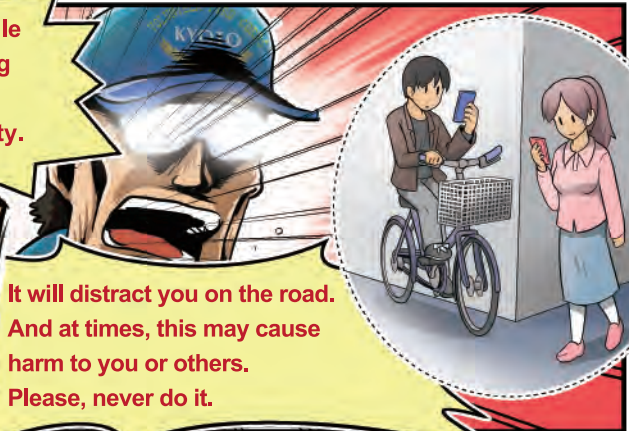


It is also important to greet and interact with people in your neighborhood, so that we can help and support each other in an emergency.

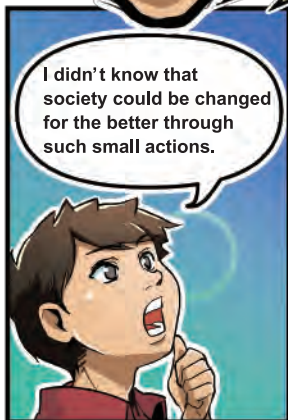




Using your cellphone while riding a bicycle or walking conflicts the ideals of a resilient city.



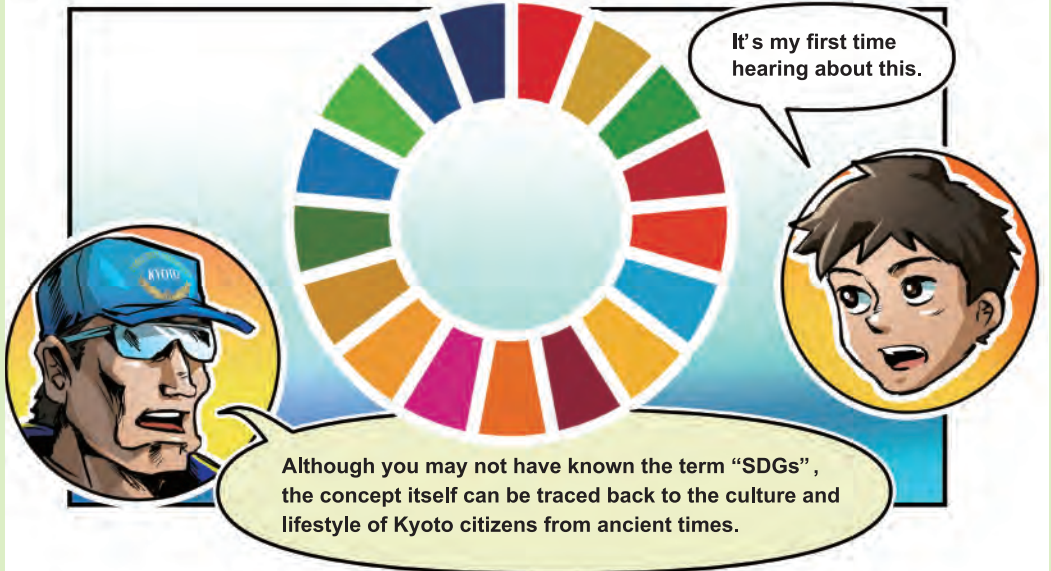
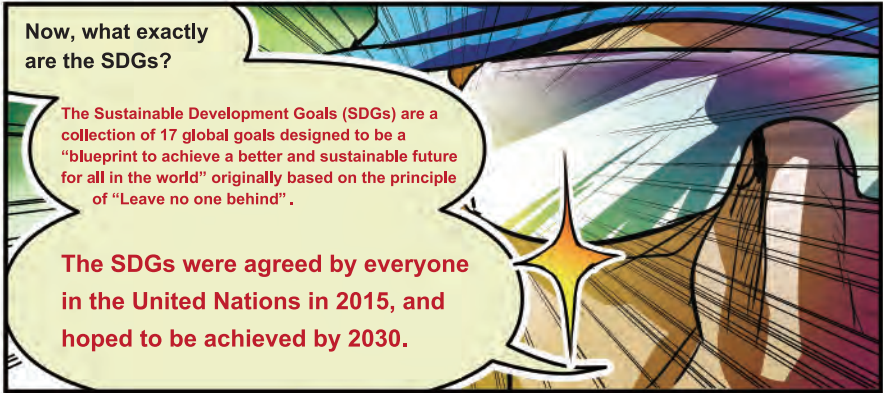
I didn't know that society could be changed for the better through such small actions.



What is that? Does it have anything to do with what you're holding in your hand?

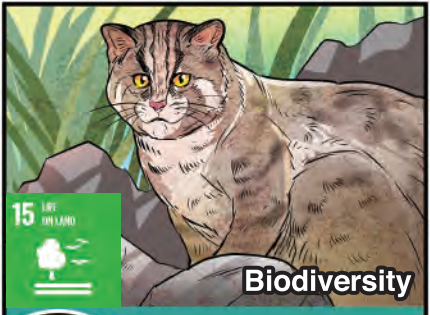
This is a good opportunity for me to inform you of one more thing. Do you know about SDGs? I believe you call them SDGs during this time period.







Everybody is equal, and should not be discriminated against for their birthplace, gender, color of skin, nor religion.



Endangered species are protected and bred in a zoo. You can visit the Kyoto City Zoo to see rare animals.



“Local production and local consumption” can provide citizens with fresh and safe food, while revitalizing the local economy.



The traditional Japanese custom of sprinkling water with a ladle provides cool temperatures without the use of air conditioning, which leads to lower power consumption.



I always bring a reusable bag when I go shopping.



That's a great idea! Bringing my own reusable water bottle instead of buying bottled water will also help contribute towards the SDGs.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION




Both the SDGs and Resilience aim to create a sustainable society.

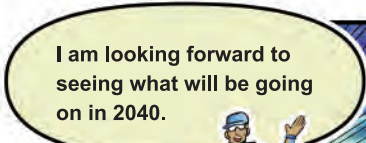


They can collaborate together.



Exactly. Please join the others in order to preserve the beauty of the city of Kyoto.

Roger that, leave it to me.



I am looking forward to seeing what will be going on in 2040.



See you later, me from

20 years ago.



Wait a second... what did you just say!?!?

This is a work of fiction. Names, characters, businesses, places, events and incidents are either the products of the author's imagination or used in a fictitious manner. (Any resemblance to actual persons, living or dead, or actual events is purely coincidental.)

SUSTAINABLE DEVELOPMENT GOALS



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