

# Partnership for sharing our knowledge on risks

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**March 11, 2011**

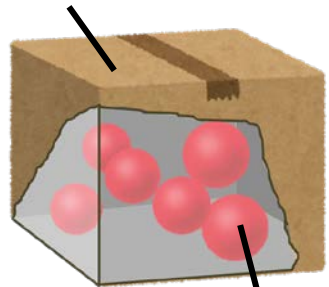
**We were upset and  
did not know how to deal with them.**

# We put the risks in the “Risk Box”

## Before the accident

Risk box  
of Radiation

Indifference..



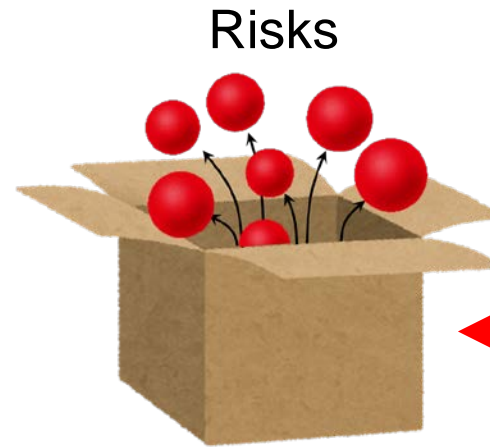
Risk  
S



Accident

## Accident occurred!

Upset!  
Unexpected!



Risks did exist, but we were indifferent

# The aim of our program

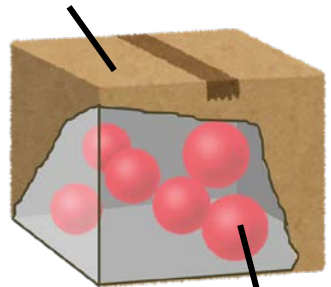
Before the accident

Before the accident

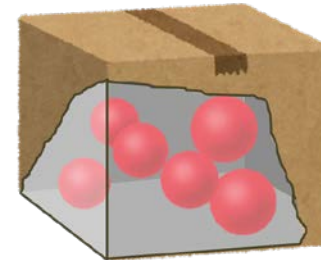
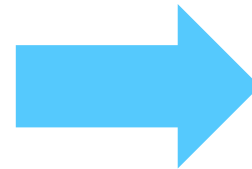
Risk box  
of Radiation

Indifference..

How to deal  
with it..?



Risk  
S

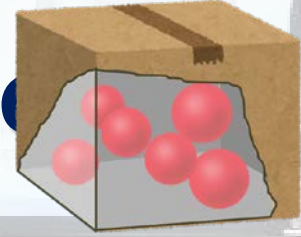


Educational  
Program



Miraikan

# 3 steps to deal with radiation risk be



**Step1**

**Understanding “What Radiation is”**

**Step2**

**Understanding the Risk of radiation**

**Step3**

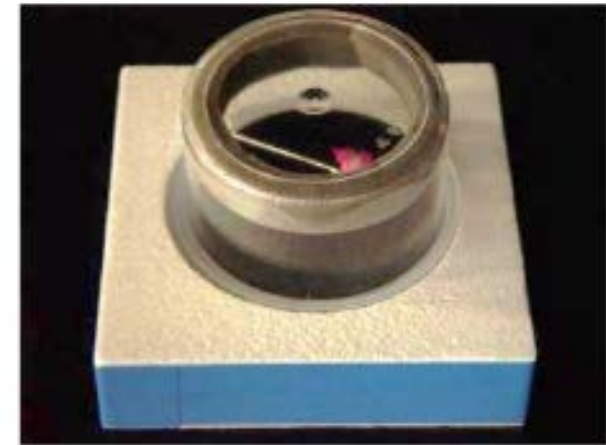
**Understanding how to decide our choice**

# Step1: What is Radiation?

- Cloud chamber
- Atomic nucleus
- Stable / Unstable
- Natural / Artificial

## 1. WATCH radiation

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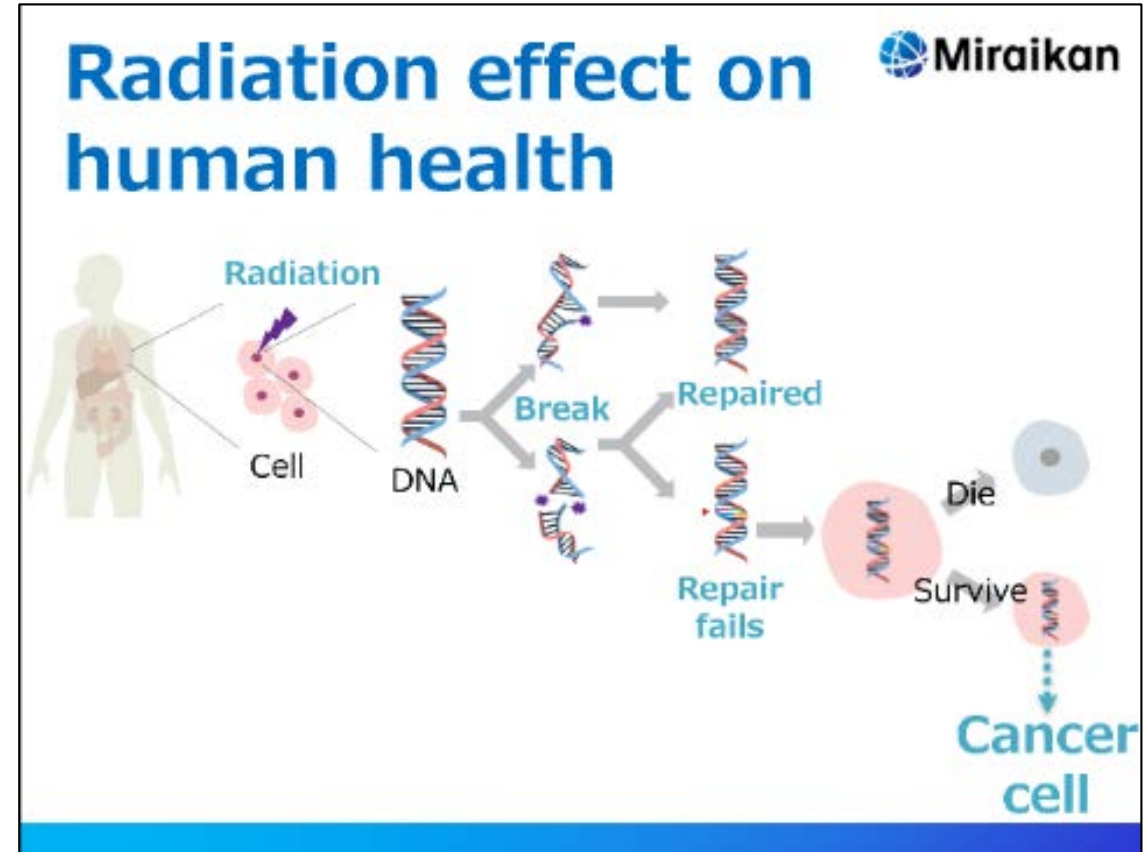
a device used for observing radiation

**cloud chamber**

**We are living in radiation environment**

# Step2: The Risk of Radiation

- Effect on body
- Various cancer risks



Compare all risks around you

# Step3: How to decide our choice


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## Your Choice 1

Any food contains radioactive material (K)

Do you EAT ? or not?

Risk exposure Nutrition



Choose by balancing Risk & Benefit

It's much better than starving to death!





# Step3: How to decide our choice

I want to arrive as soon as possible!



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## Your Choice 2

Chance to go to NY !  
Do you take an airplane? or Ship?

**Radiation exposure**  $\times 10$  exposure dose **Risk Radiation exposure**

**Benefit Fast** **Beautiful Oceanview** **Fast?**

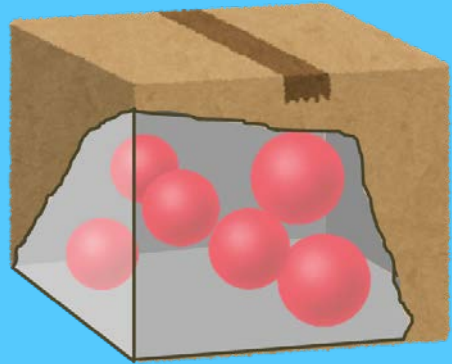
A diagram showing two balance scales. The left scale has a heavy weight on the left pan (labeled 'Radiation exposure') and a lighter weight on the right pan (labeled 'Benefit Fast'). The right scale has a heavy weight on the left pan (labeled 'Risk Radiation exposure') and a lighter weight on the right pan (labeled 'Fast?'). An arrow points from the right pan of the left scale to the left pan of the right scale, labeled 'x 10 exposure dose'. Above the left scale is an airplane icon with people, and above the right scale is a ship icon with a captain. A brown box labeled 'Beautiful Oceanview' is positioned between the two scales.

**Choose by sense of value**

I just love to see beautiful ocean!



# Character of the risk box



Risk box

- Uncertain: when it will open  
(or it has already released risks little by little)
- Uncertain: the range of influence when it opens
- So uncertain that we tend to leave it to “Experts”

Indifference..

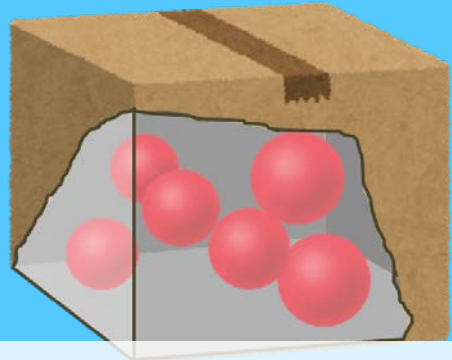


 **Miraikan**  
Knowledge on  
**Radiation** risk box



How to deal  
with it..?

# Character of the risk box



- Uncertain: when it will open  
(or it has already released risks little by little)
- Uncertain: the range of influence when it opens

So uncertain that we tend to leave it to "Experts"  
Sharing our knowledge of fostering risk literacy  
contributes our sustainable development

