

## ◇Water Environment and Environmental Measures

### **Water Shortage**

#### 1. Consequences of water shortage

In this section, delegates are to present about the consequences of water shortage. Through the presentations, we will share awareness about the seriousness of water shortage and the importance of learning about this theme.

#### 2. How should we distribute limited water resources? (taking up the issues of water barons and transboundary rivers)

In this section, based on the knowledge that water is a shared resource, we are going to learn about issues related to international water distribution by taking up the problems of transboundary rivers and water barons.

With regard to transboundary rivers, the delegates will examine every possible option and suggest how the water should be distributed between the countries involved, taking into consideration the social, geographical, and political backgrounds. With regard to water barons we will first confirm their current role, after which the delegates will present about their future role, taking account of the world situation. They both are global issues.

Through the presentations on these two topics, we hope all the delegates from around the world will share information about how we should distribute our water resources in the globalizing society.

#### 3. Awareness about water (level of commitment by country)

The amount of water resources available naturally differs in each country, depending on its geographic or climatic conditions. This disparity in water abundance corresponds to the gap of awareness about water resources between countries.

In this section, we aim to firstly identify this awareness gap among us and then to re-assess our respective situations from the global perspective. Then, we will share what the presenters will suggest about the common awareness and attitude required in people in different countries with various water resource situations in order to achieve global water sustainability.

#### 4. Introduction of new technologies that can resolve water shortage

In the future world where further population growth is expected, technical innovations are as essential in resolving water shortage as our mutual cooperation through communication. In this section, we will share new technologies adopted in various countries to resolve water shortage.

◎We will focus on “how water resources should be distributed”.

We will approach the issue examining both the government/corporate efforts and awareness of individuals from the perspective of human mutual cooperation, and also share information of new technologies, seeking for ways to resolve water shortage in every aspect.

### **◎Water Contamination**

#### 1. Influence of water contamination

In this section, we will introduce serious problems caused by water contamination such as pollution diseases.

As in the section for water shortage, we will recognize the significance of this issue in advance of the subsequent presentations.

## 2. Wastewater (both domestic and industrial) as a cause

It can be said that water contamination is caused by insufficient treatment of wastewater. In this section, we will learn about problems of both domestic and industrial wastewater causing water contamination.

## 3. Concern for the environment in industry (differences between countries)

Types of consideration for environment are different between economically developed countries and newly industrializing countries that are about to achieve economic development. With newly industrializing countries, we will identify the imbalance between economic development and environmental measures, taking account of the social background and other factors. With developed countries, we will discuss their environmental measures taken in response to past tragic incidents, as well as share information on their brand new technologies (systems) that may resolve water contamination.

## 4. What both developed and developing countries should do for keeping the balance between economic development and environmental issues

As mentioned in the previous section, developing countries tend to give priority to economic development, while developed countries criticize their attitude, demanding them to improve their environmental measures.

Rather than letting this opposing relationship remain, we will suggest concrete measures to encourage mutual cooperation between them, so as to resolve (prevent) water contamination at a global level.

◎At first, we will focus on problems that cause water contamination.

Starting from this presentation, we will aim for the solution of water contamination including the technical aspects, as well as address the awareness gap about environmental issues between developing and developed countries.

Finally, we will propose a new way to resolve the problem from the global perspective involving all kinds of countries.

☆During this section, we will have a filtration workshop.

The workshop will be divided into two parts, between which “influence of water contamination” will be held.

Inserting the workshop will effectively highlight the content of the presentation and vice versa. We will motivate ourselves more and more by their synergy.

## ◎Water cultures

### 1. Introducing water cultures (presented by volunteers)

Volunteers in the session will introduce the water culture in their respective countries. It is an opportunity for participants to learn what kind of water culture

exists in the world, and to think about how it will relate to the environmental issues, which will be dealt with in the following section.

## 2. What we should emphasize for future water culture and environmental issues.

Based on the presentations on water culture, we will consider whether culture should be flexible for future sustainability or should be preserved as it is.

©Making the most of the opportunity where we have delegates from all over the world, we will learn about various water cultures as well as discuss how those cultures should be treated for the future sustainable society.