

Thank You Dr. OGAWA,

It is a great honour for me to have the opportunity to express my views about this GLOBAL Conference.

First, I was impressed by the remarkable number of people who chose to attend this GLOBAL Conference which is a great place of **information exchange and fruitful discussion on:**

- **Strategies for the future,**
- **New technologies,**
- **Fuel cycle scenarios,**
- **Prospects on the projected quantities of nuclear systems,**
- **Potential impact of nuclear energy on our societies and environment,**

The topics I have just mentioned may solve the energy concerns for our developed or developing countries but our aim must also include the possibility of providing these countries with the capacity to produce their own electricity and **drinkable water** through desalination.

The very essential contribution to the **control of the global warming** is an essential topic and we have seen during a plenary session that the modelling of these phenomena cannot only serve as a tool used to predict the frequency and strength of the cyclones but also to set some goals increasing the nuclear energy contribution to the energy mix.

The **concept of non-proliferation** has been discussed in depth and its particular impact on the future scenarios for reprocessing, through the **essential concept of the closed fuel cycle.**

I was also impressed by the **potential uses of nuclear energy** not only for the purpose of producing **electricity** but also:

- **Hydrogen** for the transportation by thermo-chemical cycles or high temperature electrolysis and
- **Heat** for the extraction of oil sands in Alberta or water desalination by reverse osmosis.

The use of plutonium to produce energy and the transmutation of Minor Actinides in future Fast Neutron Reactors has been well addressed, thanks to a closed cycle.

I was particularly pleased to see the efforts that are made to structure the **collaborative development for the development of the 2<sup>nd</sup> generation of Sodium Cooled Reactors**. The more recent developments in Gas Cooled Reactors GFR, in synergy with the studies on VHTR, should allow us to choose between the two concepts of Fast Reactors in about 10 years.

The development of concepts and numerous studies related to the **Accelerated Driven Systems** has already shown that there are possibilities of achieving the feasibility of such solutions.

This Conference is also more generally an illustration of the **potential benefits of collaboration** specifically dedicated to:

- the definition common objectives,
- the preservation and sharing of knowledge, and
- an improvement in the development of complementary approaches between organisations involved in the development of future concepts for nuclear systems.

The **session organised by WIN** (Women in nuclear research) was very interesting: the description by Mrs Ion of the local Communication strategy in West Cumbria by BNFL was truly instructive.

During this session, the **specific role of women in communication or a more appropriate wording exchange** with the public was also underlined and it seems essential in increasing support to the field of nuclear energy.

The **responsibility of Engineers and Researchers** is essential in order to share knowledge and **exchange** with the Society so that we may obtain a better understanding of the current challenges related to the energy field. We must now focus our attention on our **children and students and also motivate them to pursue scientific studies and why not in the field of nuclear engineering or research?**

Concerning the organisation, I should also like to share my personal feelings with you:

- Plenary panels are essential in providing an overview of the situation in the field of nuclear research and the interactions between nuclear actors and society.

- Specialised sessions were quite useful in helping us to obtain a detailed view on a given field and to initiate fruitful discussion. Nevertheless, may I suggest a possibility of improvement for the future GLOBAL Conferences? At the beginning of some of them we might present a paper describing the present status: the state of the art, recent advances in the Research and Development activities, key points to solve in the future,...and perhaps but this is probably more difficult, we might reduce the number of parallel sessions?
- The **Poster sessions** were really interesting and provided a unique opportunity to having direct exchange between specialists of a given field.
- The **Exhibition was very attractive** giving the possibility for us all to see what is done by the Companies to supply reactors, fuel cycle plants, technologies for decontamination and decommissioning,...

The **Organisation was perfect and the staff very efficient in helping us.** Yesterday's dinner of allowed us to spend a very convivial **evening** and to savour Japanese cooking. And the harp concert allowed us to meet and exchange points of view with so many people.

And last but not least I must say that we had a very good time in TSUKUBA, the City of Sciences!

On behalf of all the participants of this GLOBAL Conference, I would like to take this opportunity to thank very warmly the Organisers of this GLOBAL Meeting, which was a great success.

Minasama Domo arigato gozaimashita !!