

Notes: The opinions and suggestions below do not represent the view of CTCI Foundation as CTCI Foundation is merely providing a platform for discussion.

## **Suggestions to the Government based on the “Studies of the Frameworks on Material Cycle and Carbon Cycle in Taiwan and the Development of Future Research Direction”**

As a non-profit institution, CTCI Foundation conducted studies with regards to “Studies of the Frameworks on Material Cycle and Carbon Cycle in Taiwan and the Development of Future Research Direction” and led the seminar on “Materials Flow” on January 18<sup>th</sup>, 2007. Ministers without portfolio Ho Mei-Yueh was invited to be the host, and main scholars participants from the *National Science Council* program also shared their research results. Professor Paul Brunner from Austria, Dr. Yokoyama from Japan, Director General Shen Shi-Hung and Professor Li Kung-Che, all followed to provide useful advices and suggestions. Nineteen professionals from governmental, academic and business fields also joined the seminar. Overall suggestions include:

### **1. Establishing a Standardized Information Archive so as to Reorganize Information**

*Environmental Protection Administration* learns the regulation flows of materials, products and waste through reporting by business companies. Such information should be reorganized and standardized when they continue to expand. Despite its difficulties, information archive should be systematically standardized to allow reorganization later on.

### **2. Create a Uniformed Analysis Method of Materials Flow so as to Allow Exchanges of Research Result**

It is recommended that either the *National Science Council* or the *Council for Economic Planning and Development* should lead studies of materials flow. Each and every related units should manage information archive according to industrial categories and characteristics of materials. This should be done with national planning so measurement units will be standardized.

### **3. Prioritize the Analysis of Materials Flow of Toxic Materials so as to Learn its Flow and Gain Control**

Analysis on materials flow should begin with the most toxic level because its cost is relatively high. Control of toxic material is important so as to prevent it from harming humans. Currently, air pollution fee, clean-up and recycling fee, soil pollution fee and such are charged by Environmental Protection Administration. As such, Environment Protection Administration should organize and analyze the life cycle of toxic materials as needed.

#### **4. Establish Environmental Accounts step-by-step so as to Achieve the Goal of Sustainable Development**

Establish of environmental accounts are as important as green accounts. Research units of *Directorate-General of Budget, Accounting and Statistics* and the *Council for Economic Planning and Development* should study priorities of what are needed to set up environmental accounts. This will provide industries and administrative units a better understanding of how to minimize material and energy loss, lower cost and reduce environmental burden.