

## **Special Session :**

### ***How to manage vehicles in a circular economy -Toward utilizing DPP (Digital Products Passport)***

**Organized by**  
**Japan Society of Material Cycles and Waste Management (JSMCWM)**  
**and SIP “Circular economy system” project**

DX technology and infrastructure is being discussed and developed around the world to shift to the circular economy society. For example, in Japan, the SIP Circular Economy Project (\*) has been launched, and research are underway for several products and materials through the value chain, with the aim of creating a Japanese version of digital information sharing system like digital product passport (DPP).

Particularly noteworthy are efforts to request greater use of recycled plastics in vehicle (automobile) manufacturing. In particular, Japan's vehicle export destination is Australia (0.33 million units/year), which ranks second after the United States (1.54 million units/year). On the other hand, a considerable number of used vehicles are exported from Japan to island countries in Pacific, and environmental pollution caused by end-of-life vehicles (ELV) has become an issue.

Therefore, in this session, we will provide an overview of the state and trends of ELV management required for a recycling-oriented society and economy, and the current state of ELV recycling in Japan, Pacific, and Asia. We will then discuss the possibility of management that also utilizes a digital information sharing system, and discuss the future of ELV management. The aim is to gain perspectives for joint research and business development and build a network.

\*Council for Science, Technology and Innovation(CSTI), Cross-ministerial Strategic Innovation Promotion Program (SIP), the 3rd period of SIP “Circular economy system”(Funding agency: Environmental Restoration and Conservation Agency)(JPJ012290), Japan

## **Program**

Chair: Prof. Misuzu ASARI, Research Institute of Humanity and Nature, Japan  
**Prof. XXX, XXXX, Australia**

Opening remarks by Prof. Masaki TAKAOKA, Kyoto University, Japan

”End-of-Life Vehicle Recycling in Japan” by Prof. Eiji HOSODA  
Vice Chancellor for Humanities and Social Sciences and Professor ,  
Department of Economics, Tokai University  
President, Japan Automobile Recycling Promotion Center



“Current status of ELV in Australia”(TBD)

“ELV related issues in Asia and Pacific” (TBD)

Panel discussion

Expert from Japan Automobile Manufacturers Association, Inc. (JAMA)  
Other speakers and Prof. TAKAOKA