

JRAIA's SIDE EVENT at OEWG41, Bangkok

(The Japan Refrigeration and Air Conditioning Industry Association)

Japan's F-gas policy and current status of measures to curb greenhouse gas emissions and to enhance energy efficiency products in RACHP sector

In this side event, latest development of Japan's legislation will be presented by METI (Ministry of Economy, Trade and Industry) and MOE (Ministry of the Environment). Following MOE's presentation, JRAIA (The Japan Refrigeration and Air Conditioning Industry Association) will provide latest activities for transition to low-GWP refrigerants with energy saving products. In addition, NEDO (New Energy and Industrial Technology Development Organization) will present current R&D projects for low-GWP refrigerants.



Date: 18:00-20:00, Wednesday 3 July, 2019

During 41th OEWG of the Montreal Protocol

Room: Conference Room 4, Level 1, ESCAP, Bangkok



JRAIA



Cocktail and snacks will be served from 18:00-



Introduction

1) Who is JRAIA?

The Japan Refrigeration and Air conditioning Industry Association

- Established in 1949. 70th anniversary!
- **Minato city, Tokyo** (located in front of Tokyo Tower)
- **168 member companies including the associate members.**
(as of 1st of June 2019)
- **The business fields of the member companies are :**
 - Air conditioning (residential, commercial, automotive)
 - Refrigeration (commercial, industrial, transport)
 - Ventilation
 - Heat pump system (HP water heaters)
 - Refrigerants
 - Parts



Introduction

2) Previous side-events at OEWG

➤ **OEWG40** in Vienna, 13 July 2018

“Current status of Japan’s legislation following Kigali Amendment, application of low-GWP refrigerants and energy efficiency promoting activities”

<https://www.jraia.or.jp/english/side/unep2018.html>



JRAIA side-event @OEWG40

Introduction

2) Previous side-events at OEWG

- **OEWG39** in Bangkok, 12 July 2017

**“Latest findings of A2L risk assessment conducted in Japan
and current status of A3 risk assessment”**

<https://www.jraia.or.jp/english/side/unep2017.html>

- **OEWG38** in Vienna, 10 July 2016

**“Implementation of alternative refrigerant management in Japan ;
Latest activities including risk assessment for A2L refrigerants ”**

<https://www.jraia.or.jp/english/side/index.html>



JRAIA side-event @OEWG39



JRAIA side-event @OEWG38

Introduction

3) OEWG41 side-event

Japan's F-gas policy and current status of measures to curb greenhouse gas emissions and to enhance energy efficiency products in RACHP sector

“Fluorocarbons Management Policy”

by **Yasuhiro Baba**, Director, Office of Fluorocarbons Control Policy
Ministry of the Environment

“Japan's Policies of Fluorocarbons Management (refrigerant transition)”

by **Sho Nakamura**, Deputy Director, Office of Fluorocarbons Control Policy
Ministry of the Environment

and **Hisako Mitani**, Researcher, Fluoride Gases Management Office
Ministry of Economy, Trade and Industry



“Refrigerant conversion activities including energy efficiency in Japan”

by **Tetsuji Okada**, President
The Japan Refrigeration and Air Conditioning Industry Association



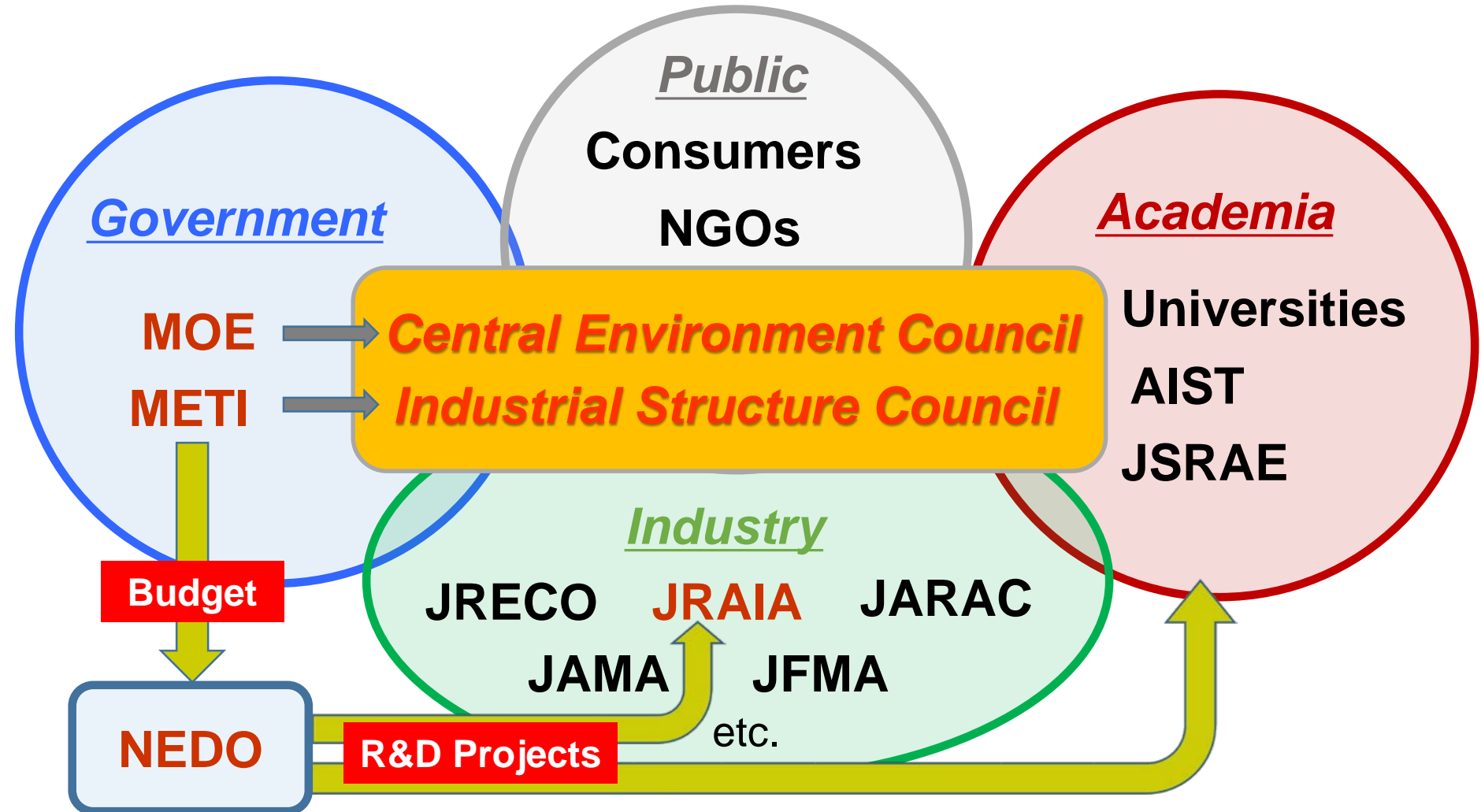
“NEDO Projects related to Fluorocarbon Countermeasures”

by **Satoshi Fujigaki**, Director General, Environment Department
New Energy and Industrial Technology Development Organization



Introduction

4) Key Players on F-gas policy



Introduction

4) Key Players on F-gas policy

Government

MOE : Ministry of Environment

METI : Ministry of Economy, Trade and Industry

NEDO : New Energy and Industrial Technology Development Organization



Academia

AIST : National Institute of Advanced Industrial Science and Technology

JSRAE : Japan Society of Refrigerating and Air Conditioning Engineers



Industry

JRAIA : The Japan Refrigeration and Air Conditioning Industry Association

JARAC : Japan Association of Refrigeration and Air-conditioning Contractors

JRECO : Japan Refrigerants and Environment Conservation Organization

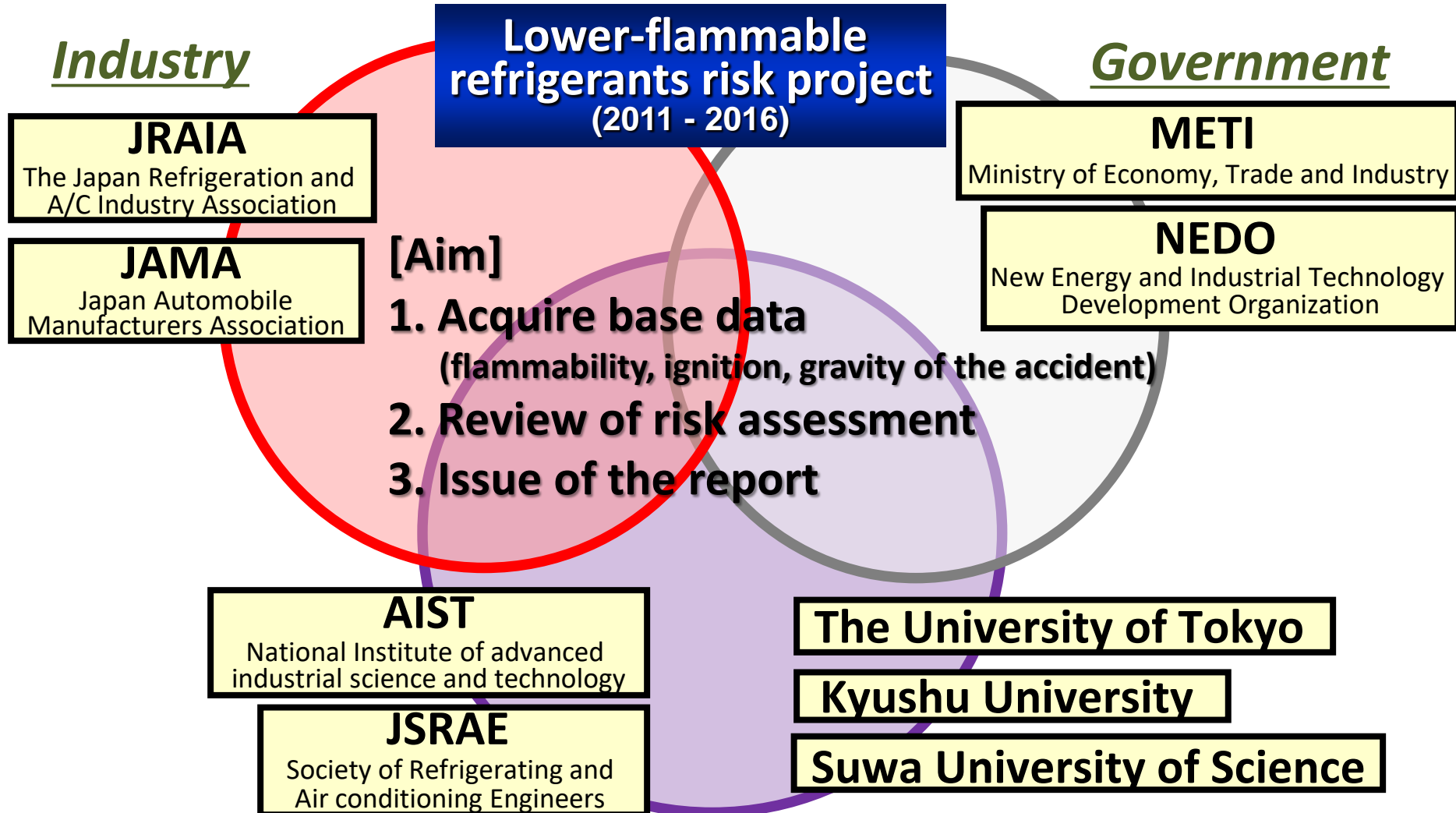
JFMA : Japan Fluorocarbon Manufactures Association

JAMA : Japan Automotive Manufactures Association



Introduction

5) NEDO project for Risk Assessment of products using A2L refrigerants



Japan's F-gas policy and current status of measures to curb greenhouse gas emissions and to enhance energy efficiency products in RACHP sector

1. Opening by **Hideaki Kasahara**

2. “***Fluorocarbons Management Policy***”

by **Yasuhiro Baba**, Director, Office of Fluorocarbons Control Policy
Ministry of the Environment



3. “***Japan's Policies of Fluorocarbons Management (refrigerant transition)***”

by **Sho Nakamura**, Deputy Director, Office of Fluorocarbons Control Policy
Ministry of the Environment

and **Hisako Mitani**, Researcher, Fluoride Gases Management Office
Ministry of Economy, Trade and Industry



4. “***Refrigerant conversion activities including energy efficiency in Japan***”

by **Tetsuji Okada**, President
The Japan Refrigeration and Air Conditioning Industry Association



5. “***NEDO Projects related to Fluorocarbon Countermeasures***”

by **Satoshi Fujigaki**, Director General, Environment Department
New Energy and Industrial Technology Development Organization



6. Q & A or e-mail to “jraia-global@jraia.or.jp” for questions/comments.

7. Closing by **Tetsuji Okada**