

# JRAIA's SIDE EVENT at MOP31

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

**Date: 13:00-15:00, Tuesday 5 November, 2019**  
**Atrium "Sheikh Zayed", FAO, Rome**

**Lunch will be served from 13:00-13:30**



# Introduction

## 1) Who is JRAIA?

The **J**apan **R**efrigeration and **A**ir conditioning **I**ndustry **A**ssociation

- Established in 1949. *70<sup>th</sup> anniversary!*
- **Minato city, Tokyo** (located in front of Tokyo Tower)
- **168 member companies including the associate members.**  
(as of 1<sup>st</sup> 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

- **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>
- **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>



JRAIA side-event @OEWG38



JRAIA side-event @OEWG39

# 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

### ➤ **OEWG41** in Bangkok, 3 July 2019

**“Japan’s F-gas policy and current status of measures to curb GHG emissions and to enhance energy efficiency products in RACHP sector”**

<https://www.jraia.or.jp/english/side/unep2019.html>

# Introduction

## 3) MOP31 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*

#### ***“Japan's Policies of Fluorocarbons Management”***

by **Takashi Shimokyoda**

Deputy Director,  
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



#### ***“Outline of JARAC Activity for Fluorocarbons”***

by **Shiroh Kasai**

Director  
Japan Association of Refrigeration and Air-Conditioning Contractors



#### ***“NEDO Projects related to Fluorocarbon Countermeasures”***

by **Mika Suzawa**

Chief Officer,  
New Energy and Industrial Technology Development Organization

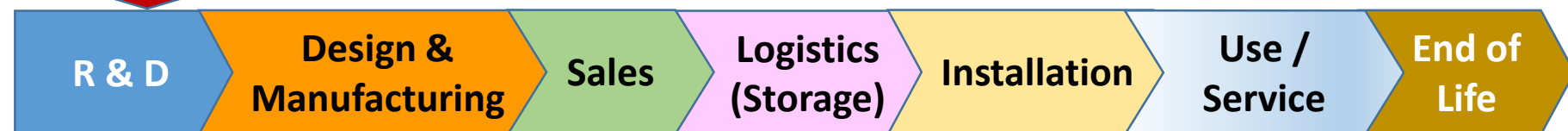


# Introduction

## 4) Activity Fields of JRAIA & JARAC

### Life-stages of RACHP products

> Market demands  
> Regulations  
> Standards & GLs



Ref. handling stages

Factory pre-charge

Field charge / recovery works



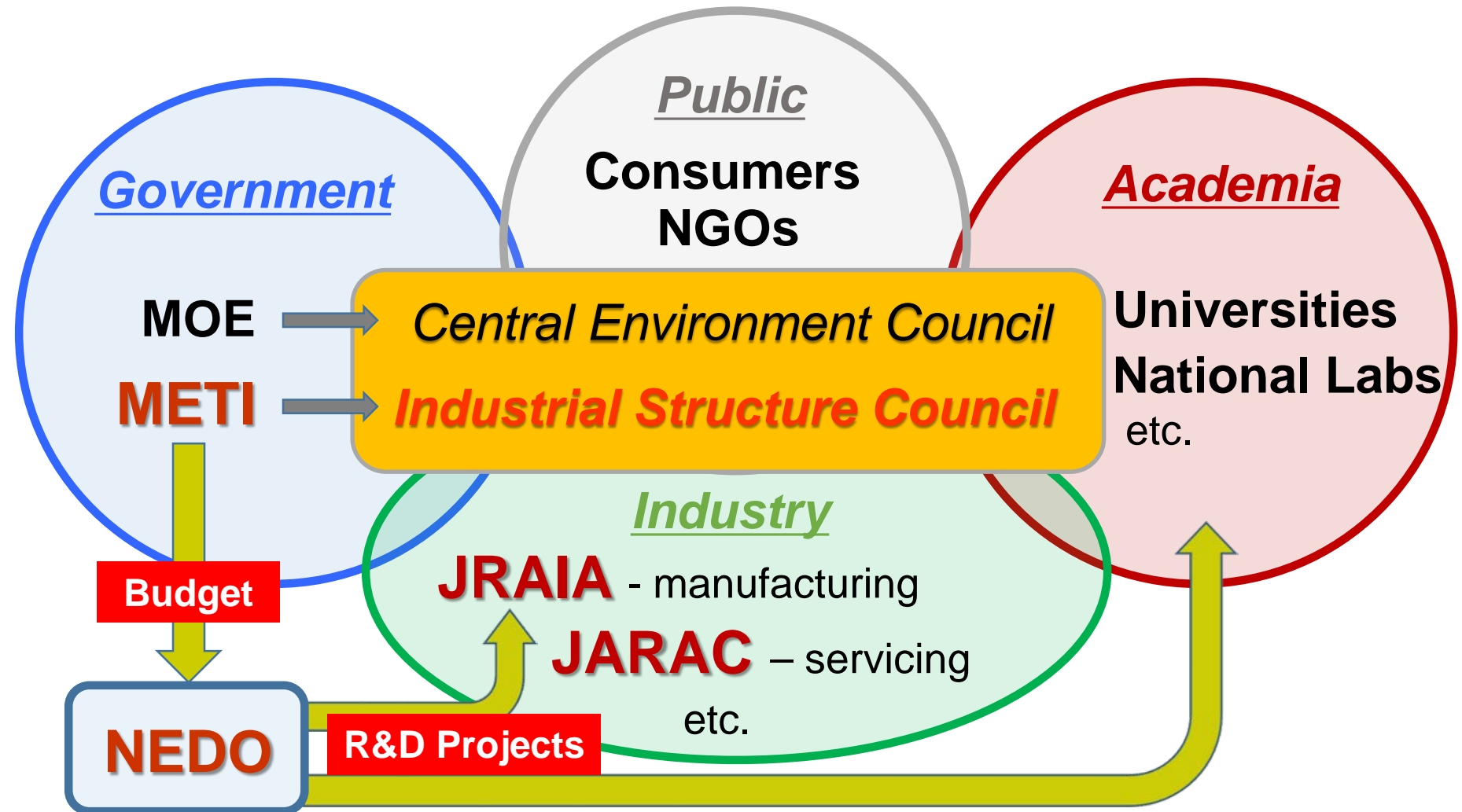
**JRAIA**

**JARAC**



# Introduction

## 5) Key Players on F-gas policy



# 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**, Senior Manager,  
The Japan Refrigeration and Air Conditioning Industry Association

## 2. “Japan's Policies of Fluorocarbons Management”

by **Takashi Shimokyoda**, Deputy Director,  
Ministry of Economy, Trade and Industry



## 3. “Refrigerant Conversion Activities including Energy Efficiency in Japan”

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



## 4. “Outline of JARAC Activity for Fluorocarbons”

by **Shiroh Kasai**, Director  
Japan Association of Refrigeration and Air-Conditioning Contractors



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

by **Mika Suzawa**, Chief Officer,  
New Energy and Industrial Technology Development Organization



6. Q&A or e-mail to “[jraia-global@jraia.or.jp](mailto:jraia-global@jraia.or.jp)” for questions/comments.

7. Closing by **Tetsuji Okada**