

## 1. The 25<sup>th</sup> CR 2014 and Ozone2 Climate Industry Roundtable

On 9<sup>th</sup>-11<sup>th</sup> April 2014, The 25<sup>th</sup> CR 2014 was held at the New China International Exhibition Center in Beijing, China. A special zone for Ozone Layer Protection was located in the exhibition center, in where Japanese, European and local manufactures showcased their equipment using alternative refrigerants such as R32 and R290. In the general booths of the



refrigerant producers and compressor manufactures, there were also several exhibits for R32. It suggests the commercialization of equipment using R32 may be soon in China. As a parallel event, Ozone2 Climate Industry Roundtable 2014 organized by UNEP and CRAA was held on 10<sup>th</sup> April. In this Industry Roundtable, a JRAIA delegate made a presentation focusing on the contents of the revision of Fluorocarbons Recovery & Destruction Law, including target dates and GWP values regulated for residential and light commercial air conditioners. In addition, cost-performance evaluation results and the risk assessment outcomes of alternative refrigerants, and on-going risk assessment plans in Japan were introduced. It was noted that a representative of China made a



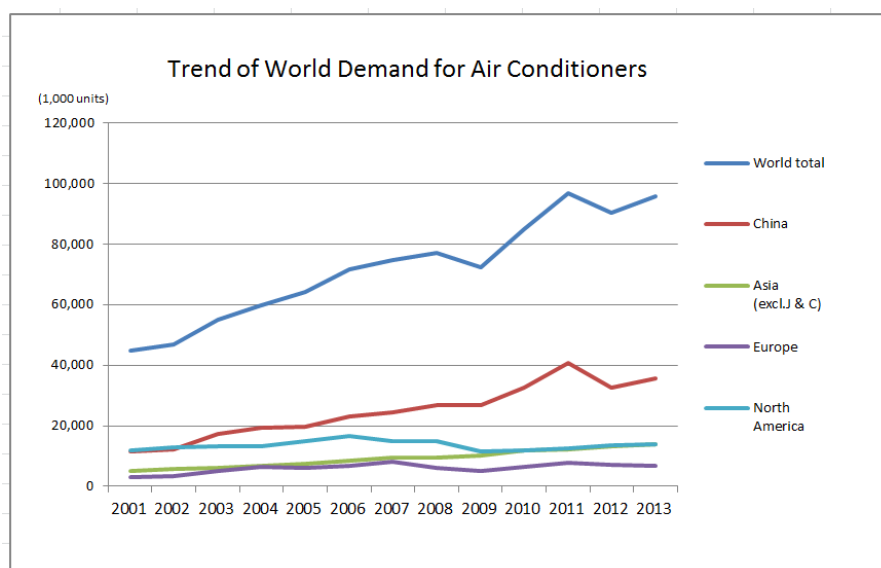
presentation on international and domestic safety standard status and their impact on commercialization of low GWP alternatives.

It was impressive that several European companies made presentations on CO2 for refrigeration applications.

## 2. World Demand for Air conditioner in 2013

JRAIA published ‘2013 Estimates of World Demand for Air conditioners’ in the end of April. World demand for Air conditioners in 2013 is totally estimated to expand 5.9 % over the previous year to 95.9 million units. China, the world’s largest air conditioner market, increased 8.8% compared to the previous year to 35.6 million units, which is account for 37.2 % of the total. Following that, North America market increased 4.1% compared to the previous year to 14 million units. In the third place, Asia market excluding Japan and China is expanding 5.5% over the previous year to 13.8 million units.

For detailed information by countries, please visit JAIA website, <http://www.jraia.or.jp>



## RAC

Demand of residential air conditioners in 2013 is estimated grow up 6.3 % over the previous year to 82.9 million units. China, having a major demand, saw its market scale increased 9.1 % compared to the previous year to 33.5 million units. Following that, Asia market excluding Japan and China is increasing 5.6% compared to the previous year to 12.5 million units. In the third place, Japan market is expanding 6.2% over the previous year to 9 million units.

## PAC

Demand of package air conditioners in 2013 is estimated to grow up 3.7 % compared to the previous year to 12.9 million units. North America, having a major demand , saw its market scale increased 3.5 % compared to the previous year to 6.2 million units. Following that, China market is increasing 3.5% compared to the previous year to 2.6 million units. In the third place, Asia market excluding Japan and China is expanding 4.0% over the previous year to 1.3 million units.

### 3. Domestic shipments 2014

	RAC		PAC	
	units	Y on Y basis %	units	Y on Y basis %
January	574,958	138.7	60,959	119.0
February	674,511	140.8	66,144	117.9
March	801,247	107.2	82,453	114.9

RAC: Residential Air-conditioners    PAC: Commercial Air-conditioners

### 4. The International Symposium 2014

JRAIA is pleased to inform you that The International Symposium 2014 on New Refrigerants and Environmental Technology will be held on 20<sup>th</sup> and 21<sup>th</sup> November 2014 at Kobe in Japan. The participants will share the result of study for environment issue, new refrigerants and their system, safety analyses of 2L refrigerants, compressors and lubricants, and etc.

For more information, please visit the URL below.

<http://www.jraia.or.jp/english/symposium/index.html>

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