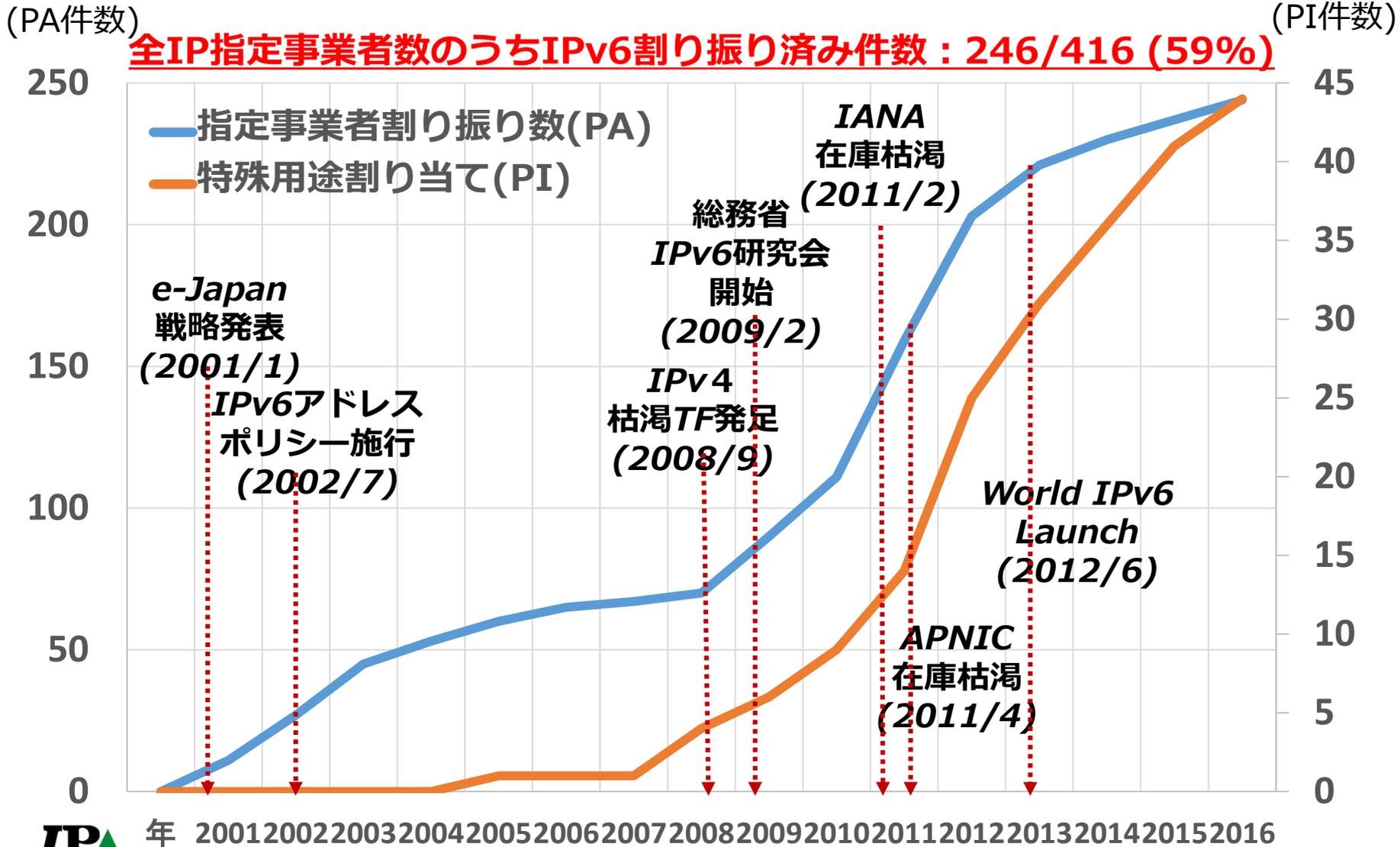


国内外における IPv6普及の現状

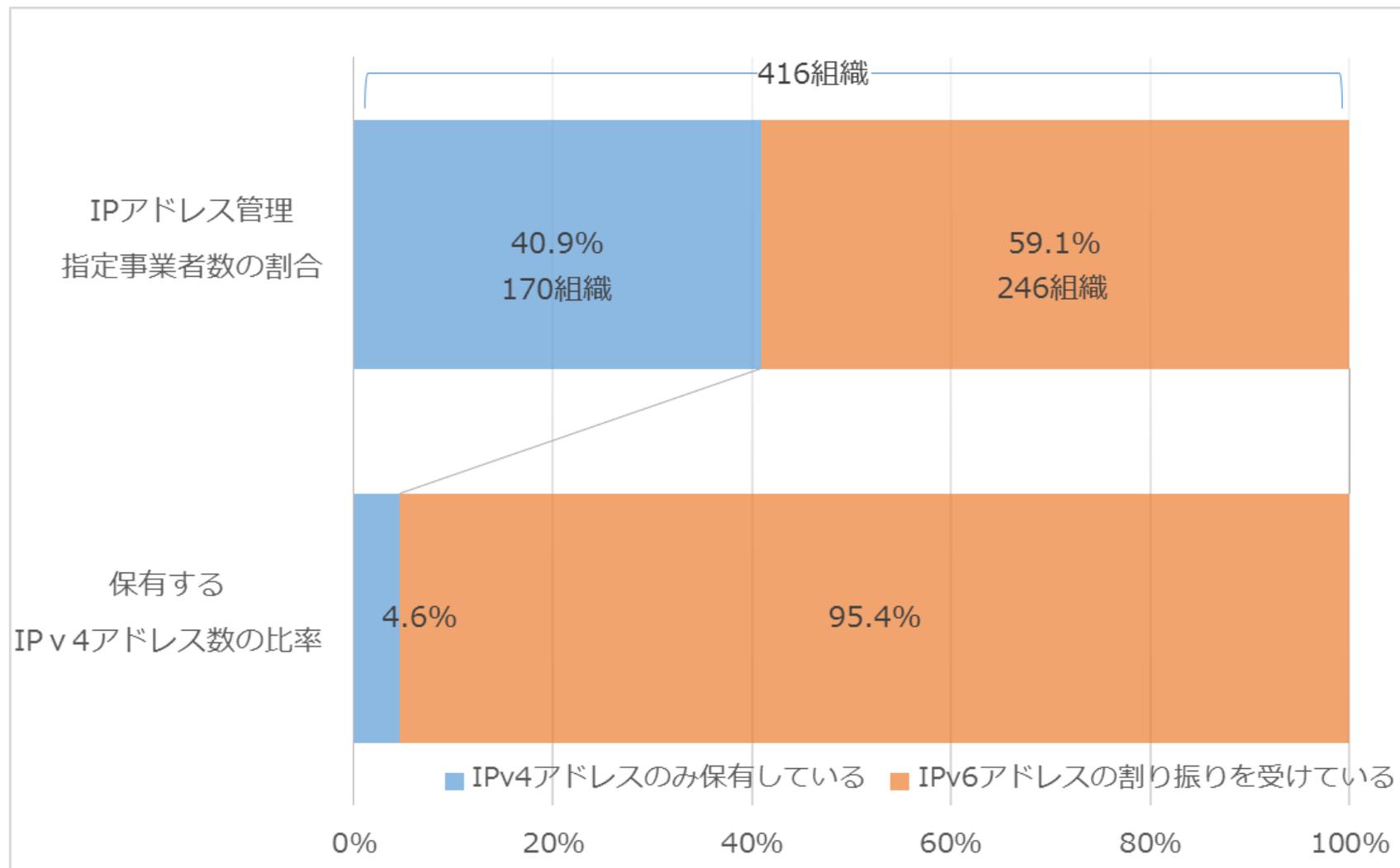
一般社団法人日本ネットワークインフォメーションセンター
IP事業部 佐藤 晋 (サトウススム)

日本のIPv6普及状況

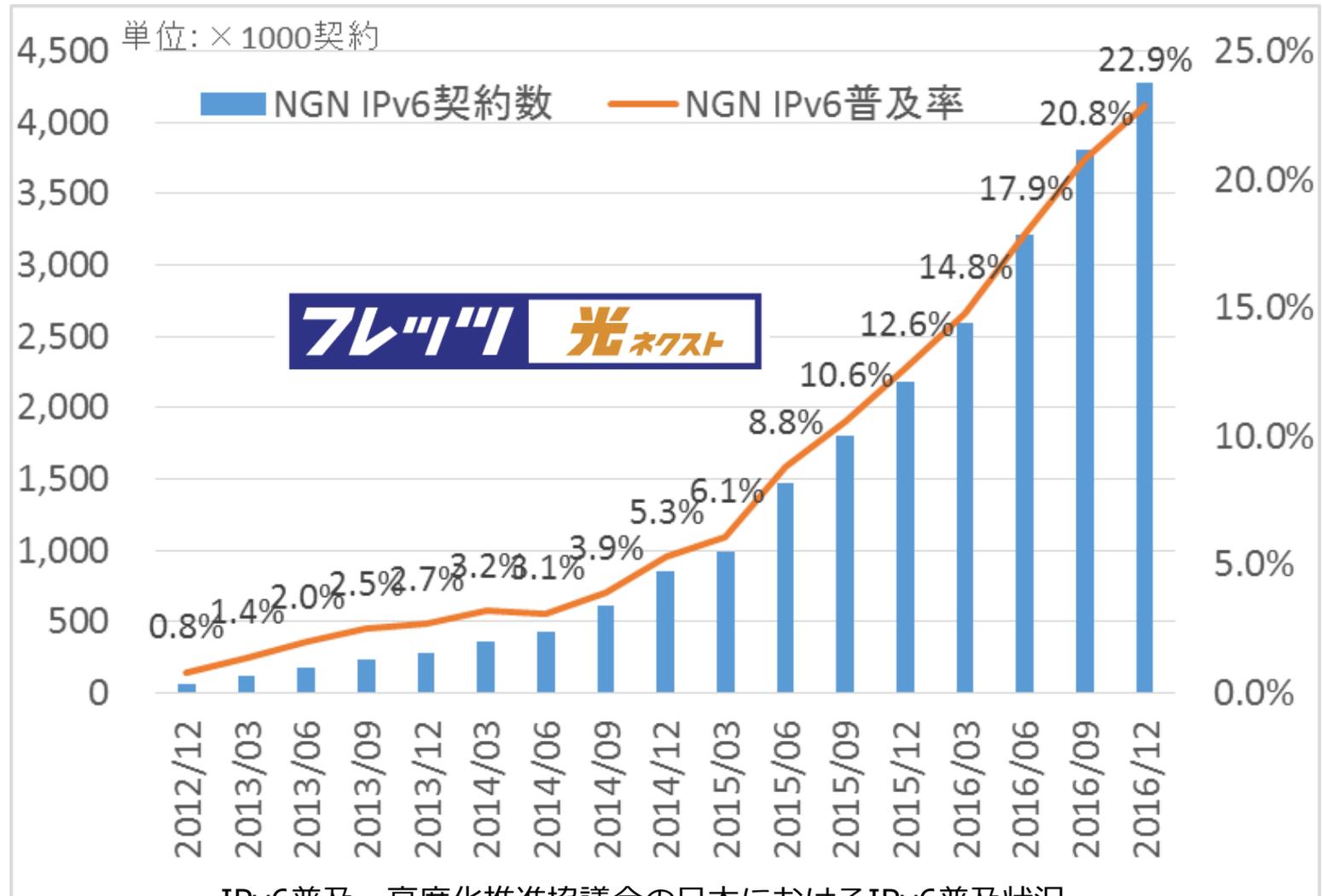
JPNICからのIPv6アドレス分配推移



JPNICからのIPv6アドレス分配状況

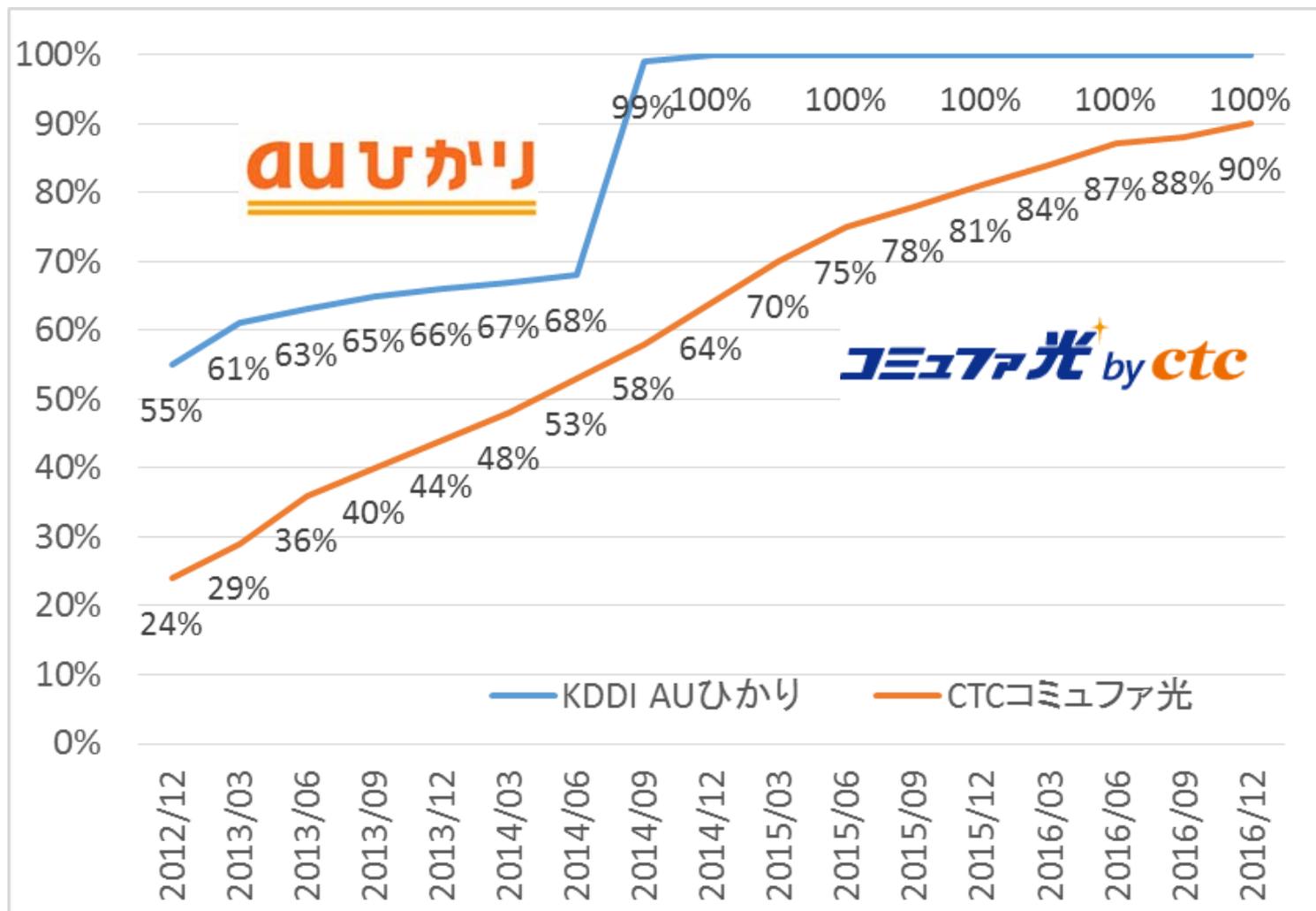


アクセス回線のIPv6対応状況(1)



IPv6普及・高度化推進協議会の日本におけるIPv6普及状況
http://v6pc.jp/jp/spread/ipv6spread_03.phtml

アクセス回線のIPv6対応状況(2)



IPv6普及・高度化推進協議会の日本におけるIPv6普及状況

http://v6pc.jp/jp/spread/ipv6spread_03.phtml

最近のIPv6対応の動き



2017年3月24日に全国47都道府県すべてでNTT東日本／NTT西日本が提供する「ひかり電話ルーター」からのインターネット（IPv6 PPPoE）接続の対応完了



2017年4月より、NTT東日本・NTT西日本が提供するフレッツ回線を利用する光接続コースにおいて、「IPv6接続機能」を提供開始

^{NTT}
docomo

 **SoftBank**

このあとに詳細なお話があります

au

世界のIPv6普及状況

IPv6対応状況(APNIC調査)

CC	Country	IPv6 Capable	IPv6 Preferred	Samples
BE	Belgium, Western Europe, Europe	55.16%	53.95%	3,000,410
DE	Germany, Western Europe, Europe	43.02%	41.98%	8,627,352
CH	Switzerland, Western Europe, Europe	35.12%	33.99%	2,131,333
US	United States of America, Northern America, Americas	33.53%	31.41%	84,378,988
GR	Greece, Southern Europe, Europe	33.09%	32.58%	4,743,780
LU	Luxembourg, Western Europe, Europe	31.05%	29.97%	265,480
PT	Portugal, Southern Europe, Europe	26.36%	25.86%	5,683,916
IN	India, Southern Asia, Asia	25.12%	23.70%	29,996,150
GB	United Kingdom of Great Britain and Northern Ireland, Northern Europe, Europe	24.93%	23.81%	10,820,327
JP	Japan, Eastern Asia, Asia	21.94%	19.00%	5,427,280
IE	Ireland, Northern Europe, Europe	19.73%	19.47%	2,005,931
FR	France, Western Europe, Europe	18.66%	18.29%	30,030,358
CA	Canada, Northern America, Americas	18.38%	17.02%	7,620,530
EC	Ecuador, South America, Americas	17.84%	16.91%	2,599,609
PE	Peru, South America, Americas	17.73%	17.28%	3,604,675
EE	Estonia, Northern Europe, Europe	16.86%	16.57%	744,063
MY	Malaysia, South-Eastern Asia, Asia	15.63%	13.71%	6,545,591
NO	Norway, Northern Europe, Europe	15.05%	14.12%	1,075,059
AU	Australia, Australia and New Zealand, Oceania	14.60%	13.98%	3,527,065
TT	Trinidad and Tobago, Caribbean, Americas	14.24%	13.97%	815,089
BR	Brazil, South America, Americas	14.10%	13.63%	5,825,257
FI	Finland, Northern Europe, Europe	12.56%	11.76%	584,895
CZ	Czech Republic, Eastern Europe, Europe	11.07%	9.82%	1,159,243
NL	Netherlands, Western Europe, Europe	10.31%	9.93%	5,608,915

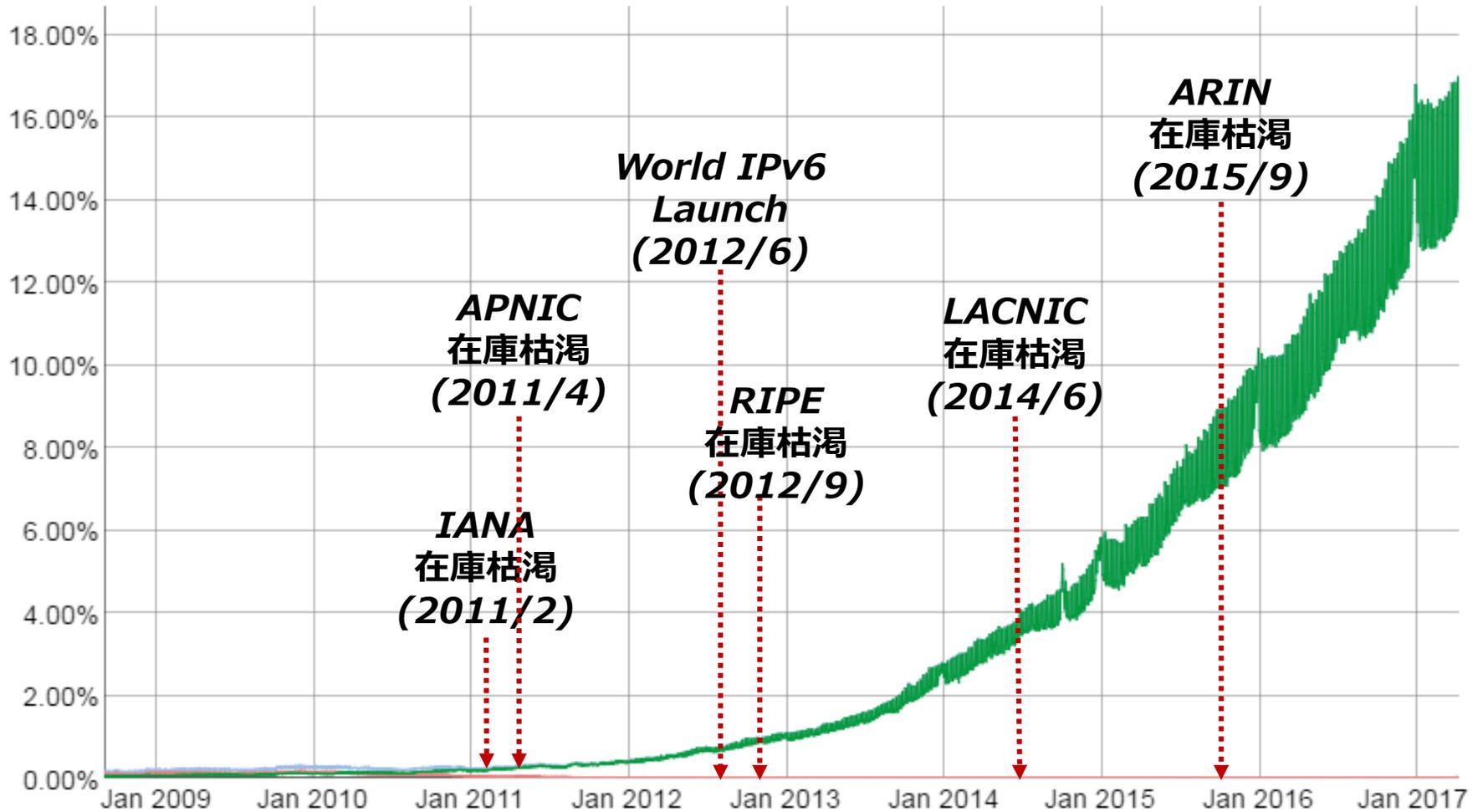
IPv6対応状況(AKAMAII調査)

RANK	IPv6 %	COUNTRY
1	37.7%	Belgium
2	26.9%	Greece
3	21.7%	United States of America
4	21.5%	Switzerland
5	19.2%	Germany
6	19.0%	Trinidad And Tobago
7	17.6%	Luxembourg
8	16.7%	India
9	15.7%	Estonia
10	13.6%	Portugal
11	13.5%	Brazil
12	12.5%	United Kingdom
13	12.1%	Canada
14	11.9%	Japan
15	11.0%	Peru

<https://www.akamai.com/jp/ja/our-thinking/state-of-the-internet-report/state-of-the-internet-ipv6-adoption-visualization.jsp>

GoogleへのIPv6アクセスの推移

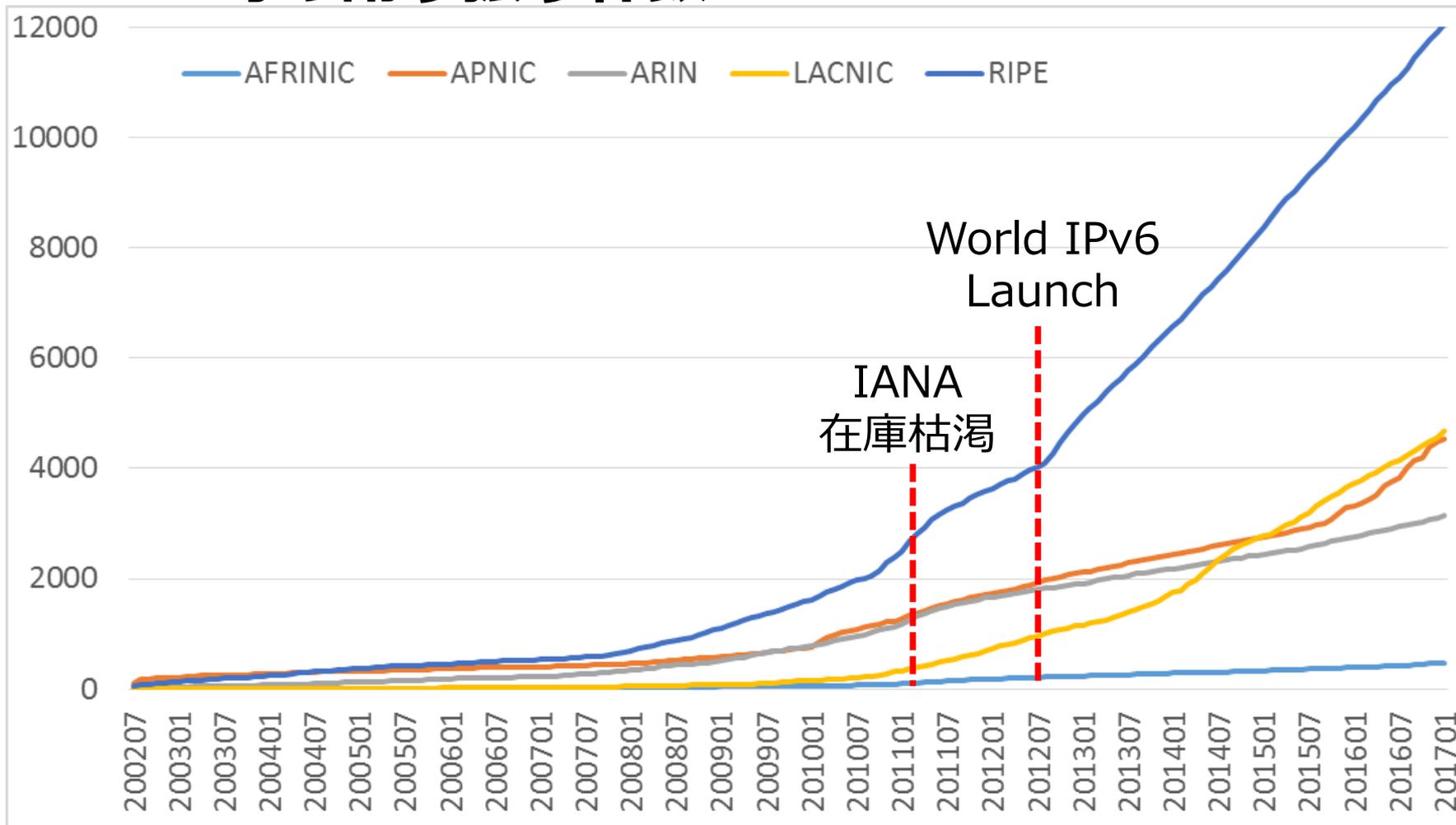
Native: 14.06% 6to4/Teredo: 0.02% Total IPv6: 14.08% | 2017/04/10



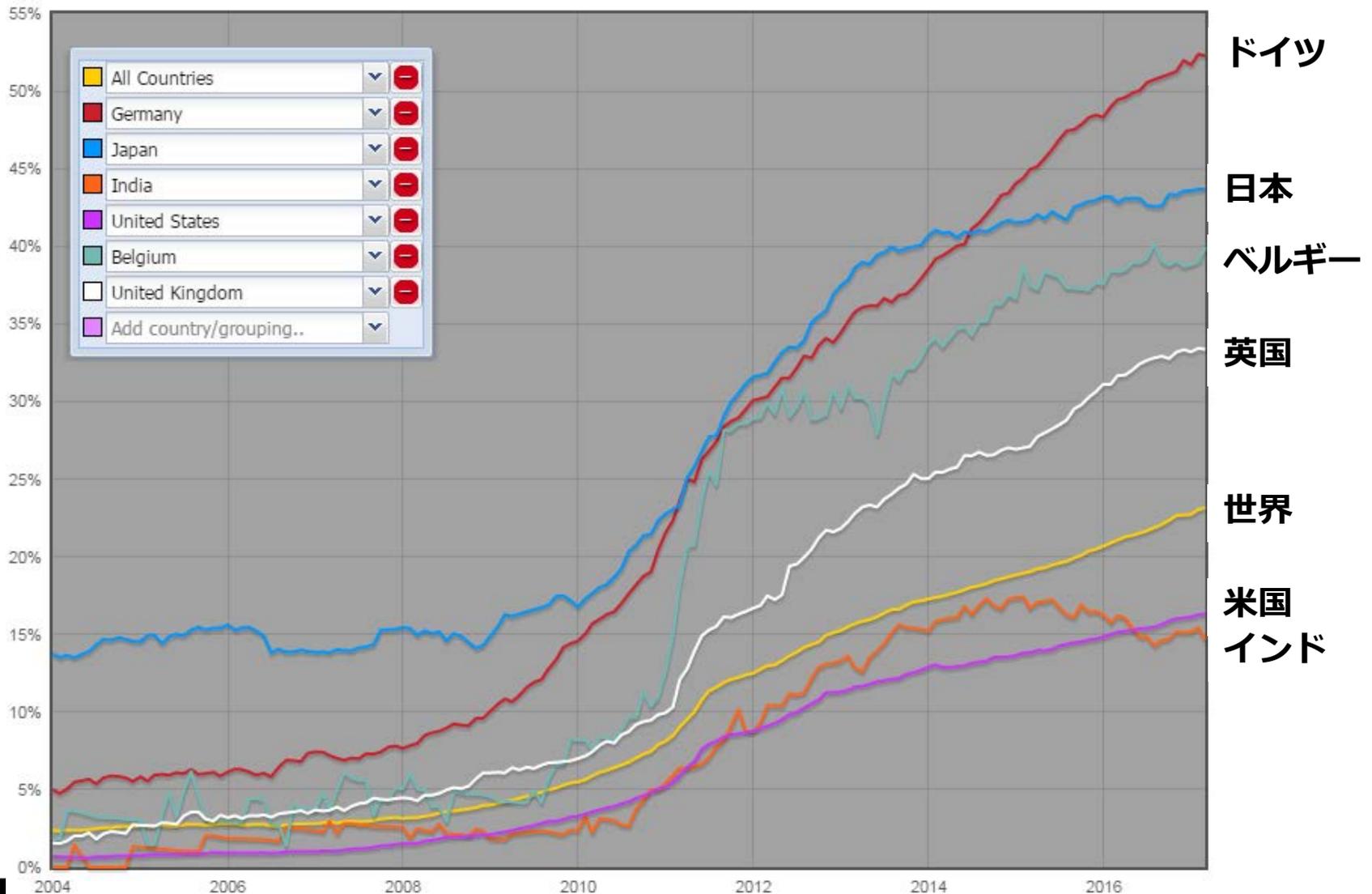
<https://www.google.com/intl/ja/ipv6/statistics.html>

RIRにおけるIPv6アドレス分配状況

• RIR毎の割り振り件数



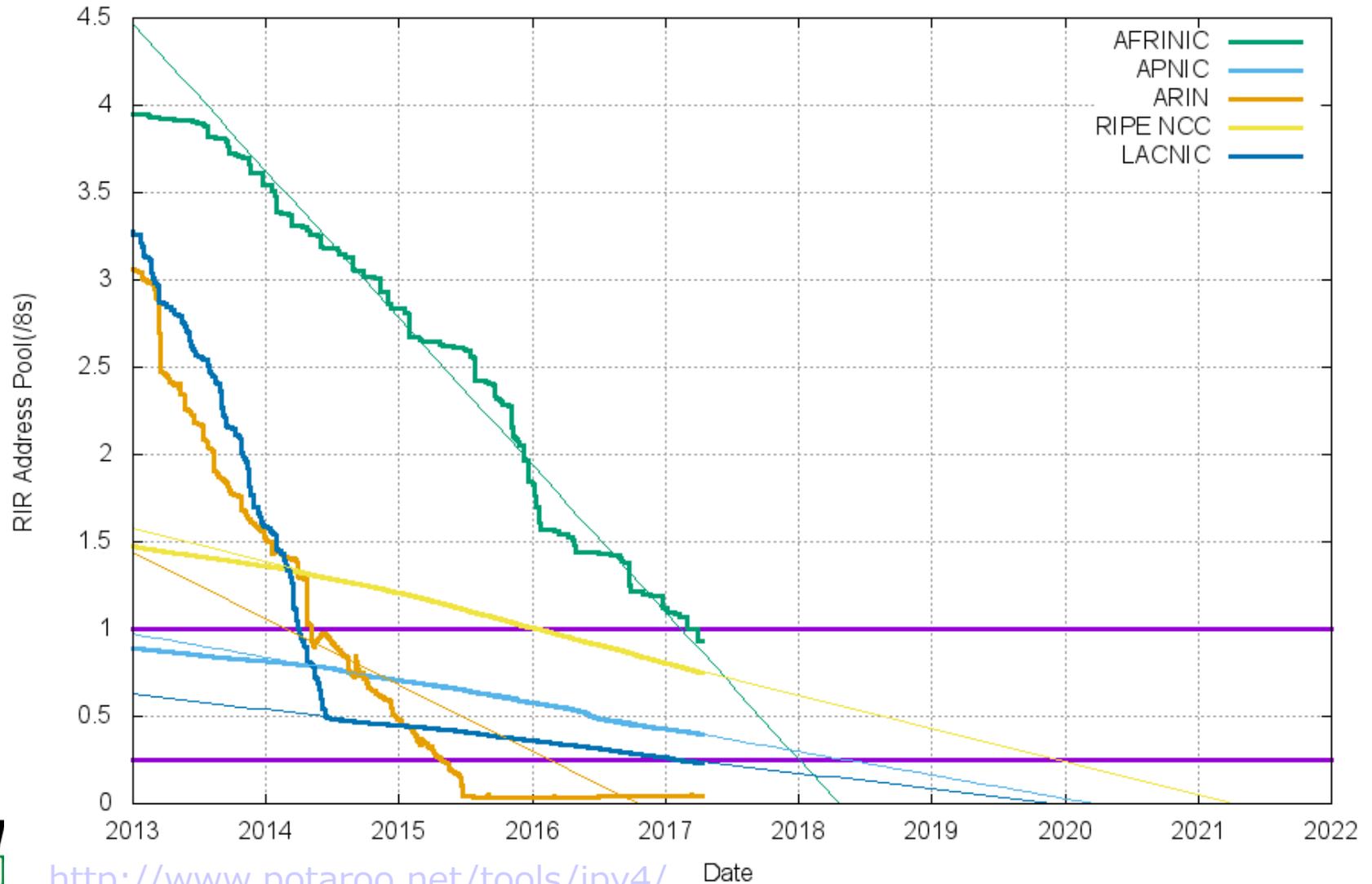
IPv6の経路広告をしているASの割合 (RIPE調査)



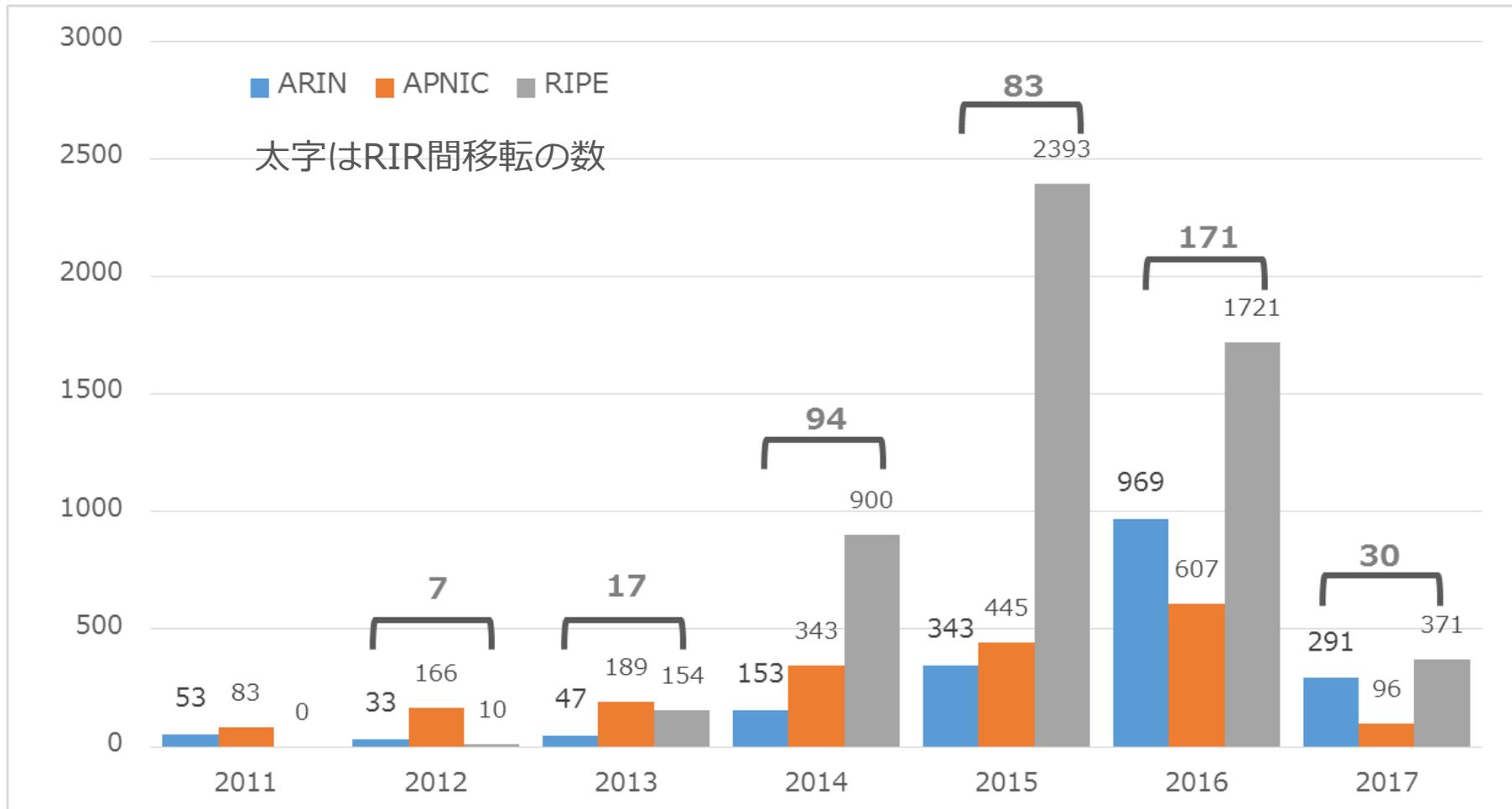
IPv4アドレスの話

RIRにおけるIPv4アドレス消費状況

RIR IPv4 Address Run-Down Model



RIR毎のIPv4アドレス移転件数



IPv4アドレスの落札価格



http://www.ipv4auctions.com/previous_auctions/のデータから作成

ありがとうございました。