

“Renaissance of the Nuclear Industry”

A.M. Choho

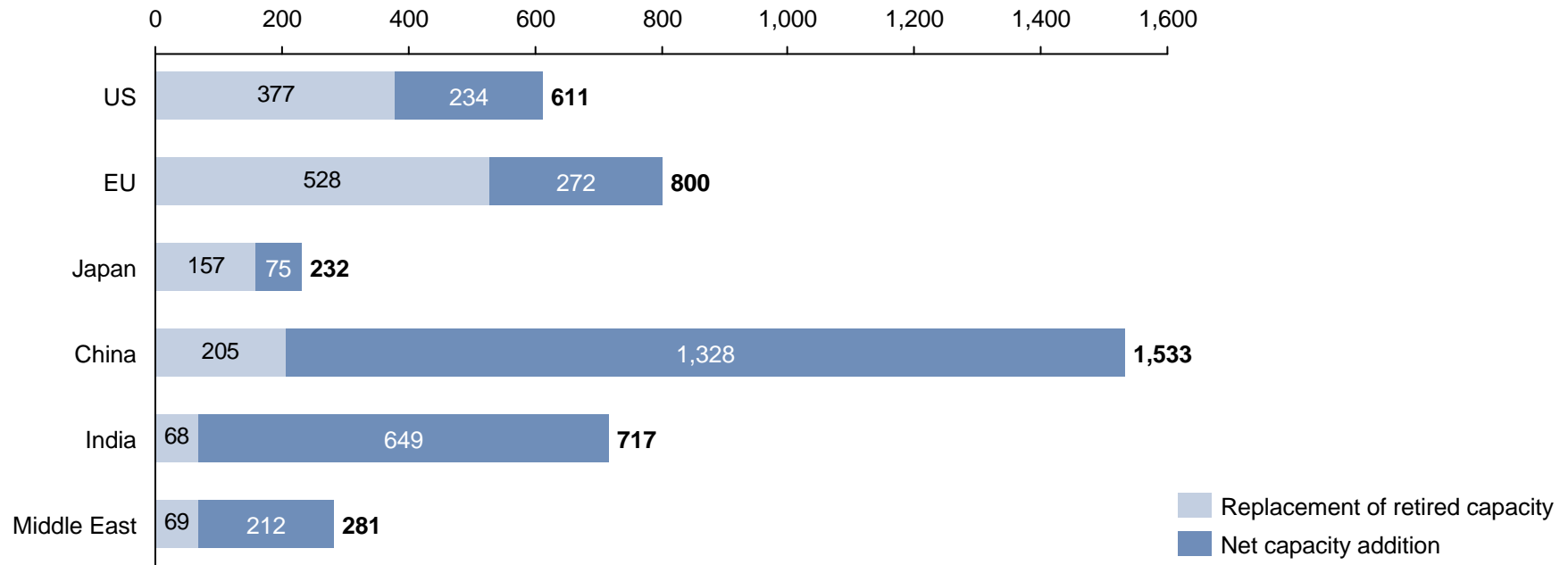
**AREVA Senior Executive Vice-President, Safety,
Security, Operations Support**

Atoms for the Future – SFEN Young Generation
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The global electricity demand is projected to increase by 2.2% per year

Gross capacity addition by region, 2013-35
GW

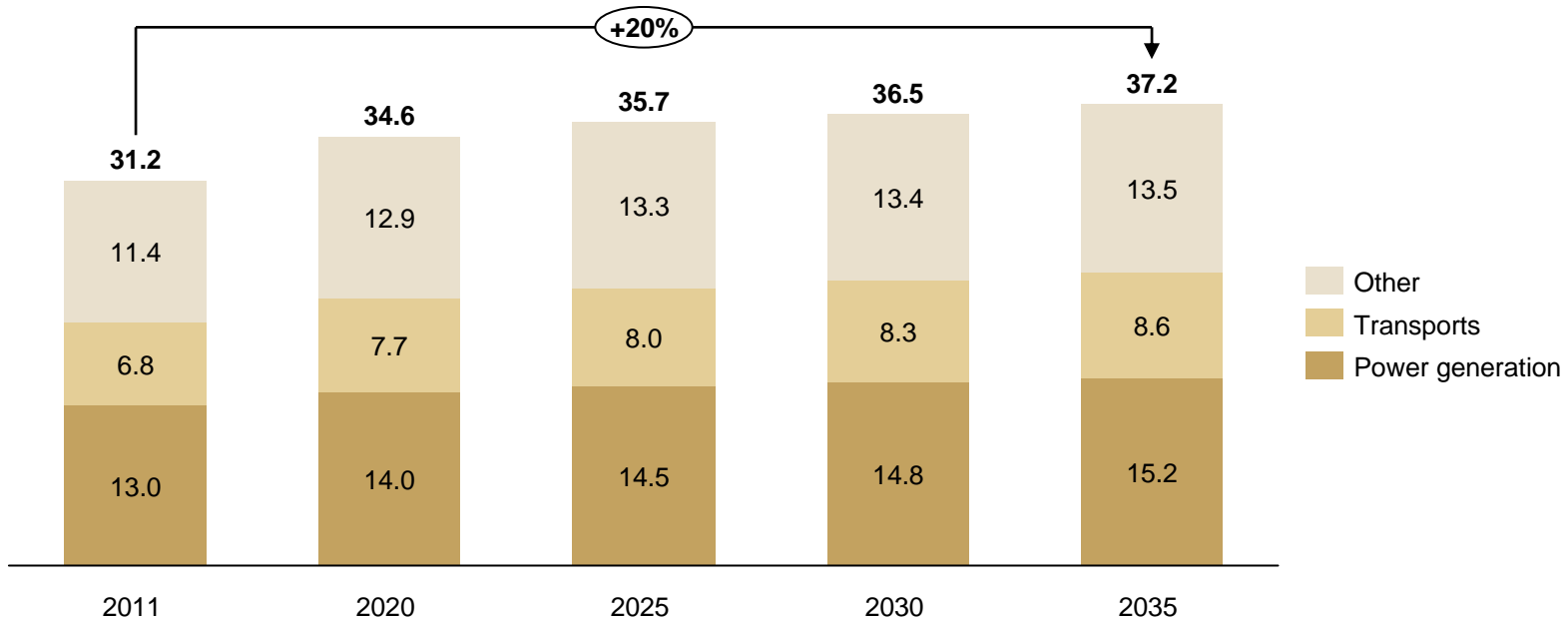


China and India together build almost 40% of the world's new capacity; 60% of capacity addition in OECD replace retired plants

Source: IAE World Energy Outlook 2013, New Policies Scenario (NPS)

In order to limit the energy sector CO₂ emissions to a 20% increase, Nuclear Power has a role to play

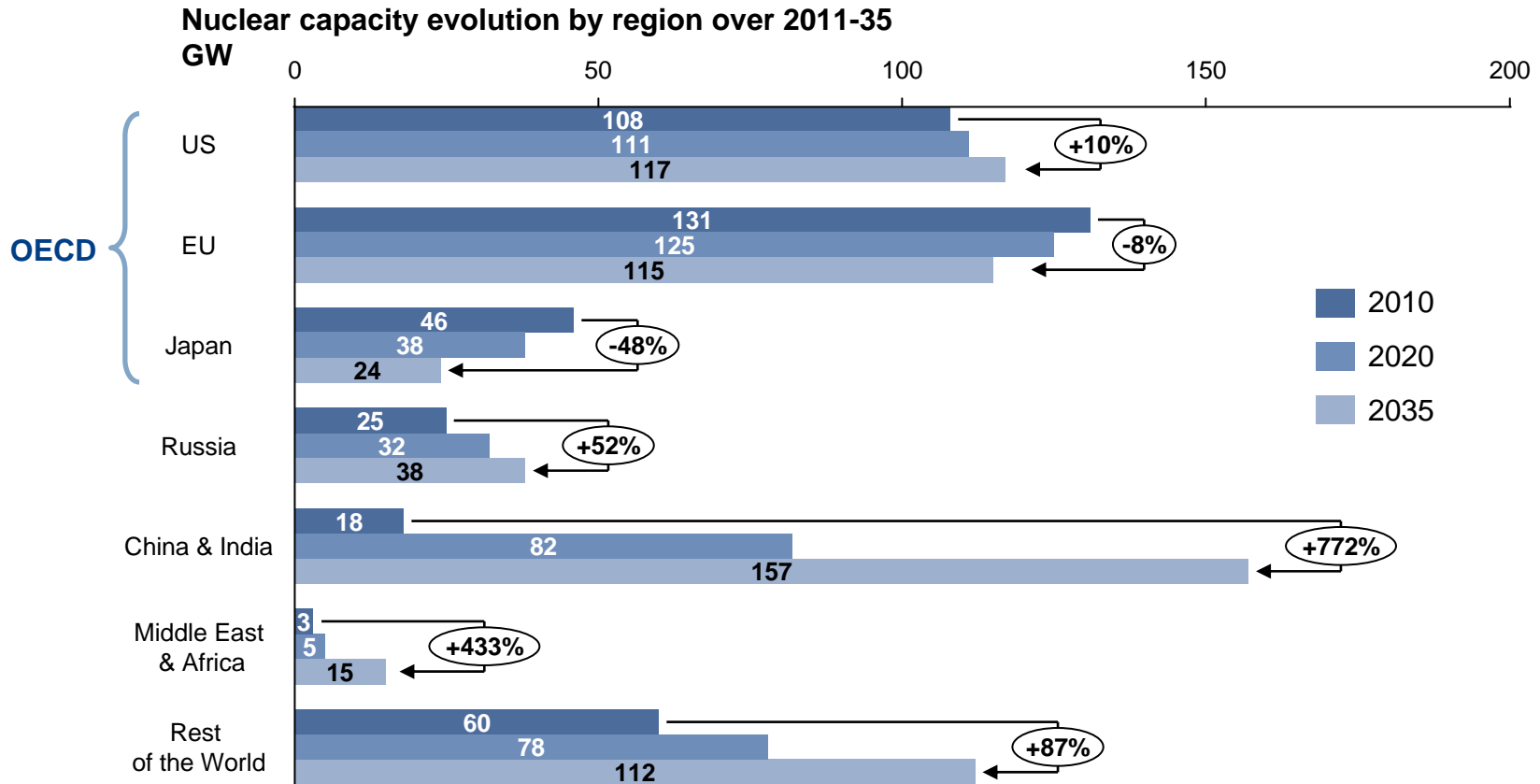
Energy-related CO₂ emissions, 2011-35
Gt



- ▶ **Power generation represents ~40% of emissions until 2035**
- ▶ **Renewables (excl. hydro) are projected to increase in the power sector from 4% in 2011 to 16% by 2035**

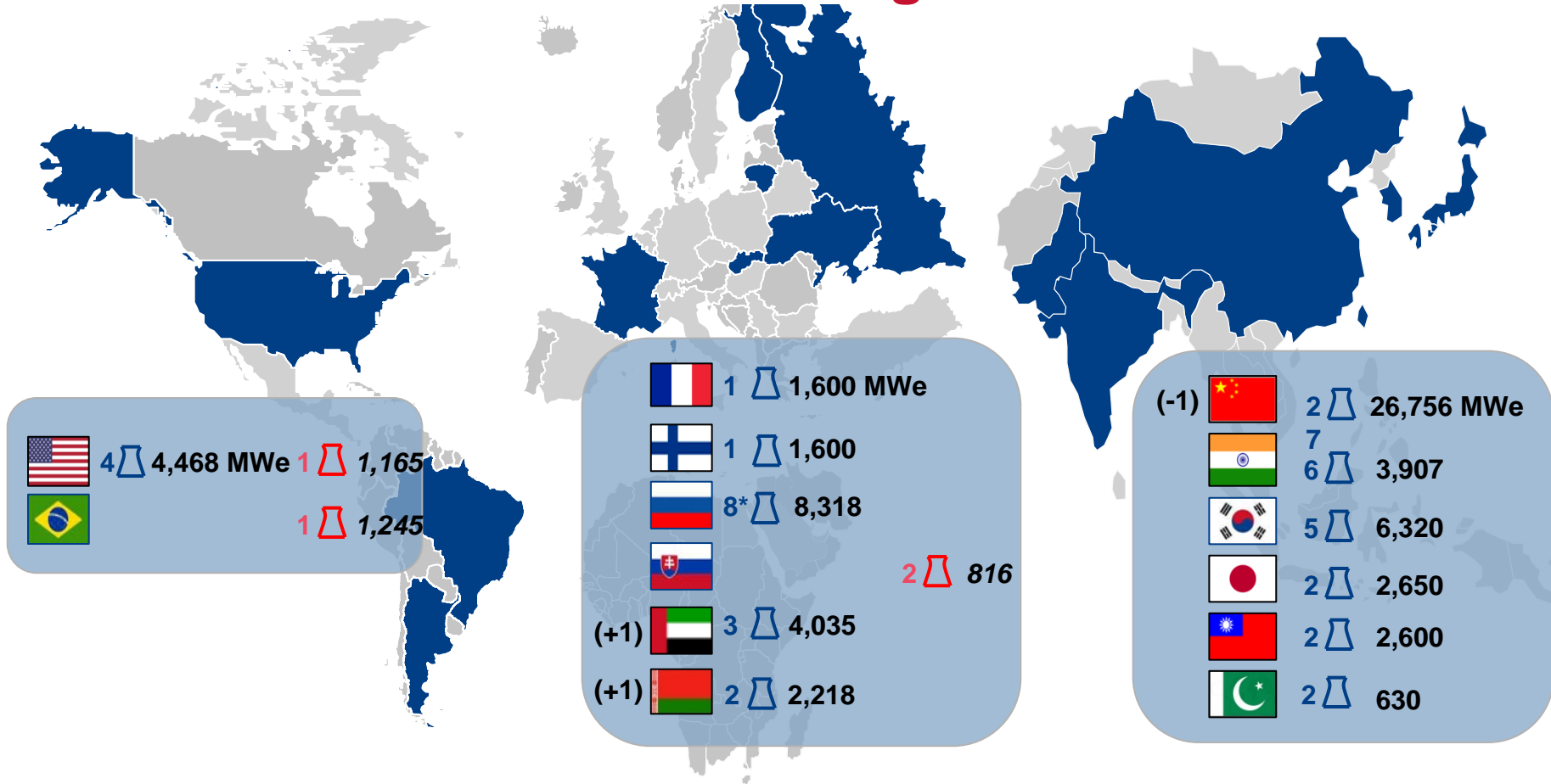
Source: IAE World Energy Outlook 2013, New Policies Scenario (NPS)

Global nuclear capacity is expected to increase from 391 GW to 576 GW over 2010-35



Source: IAE World Energy Outlook 2013, New Policies Scenario (NPS)

63+ Nuclear Power Plants under construction throughout the World



New NPPs under construction 63 65.1 GWe net

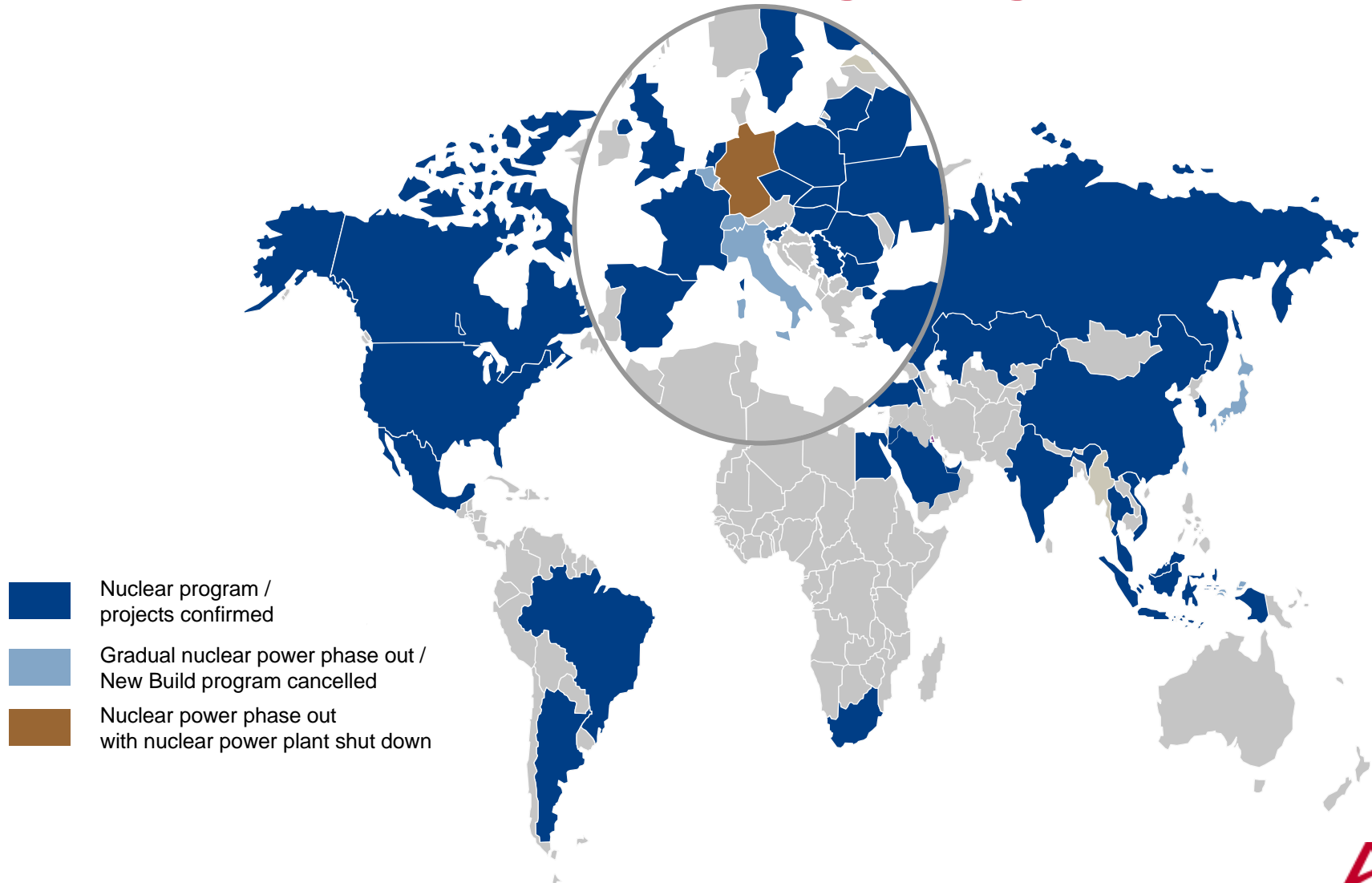
NPP under completion** 4 3.3 GWe net

* out of the 8, only 5 are “Gen3” reactors

** construction start before 1995

Source: [PRIS](#) database retreated, 2014/10/06

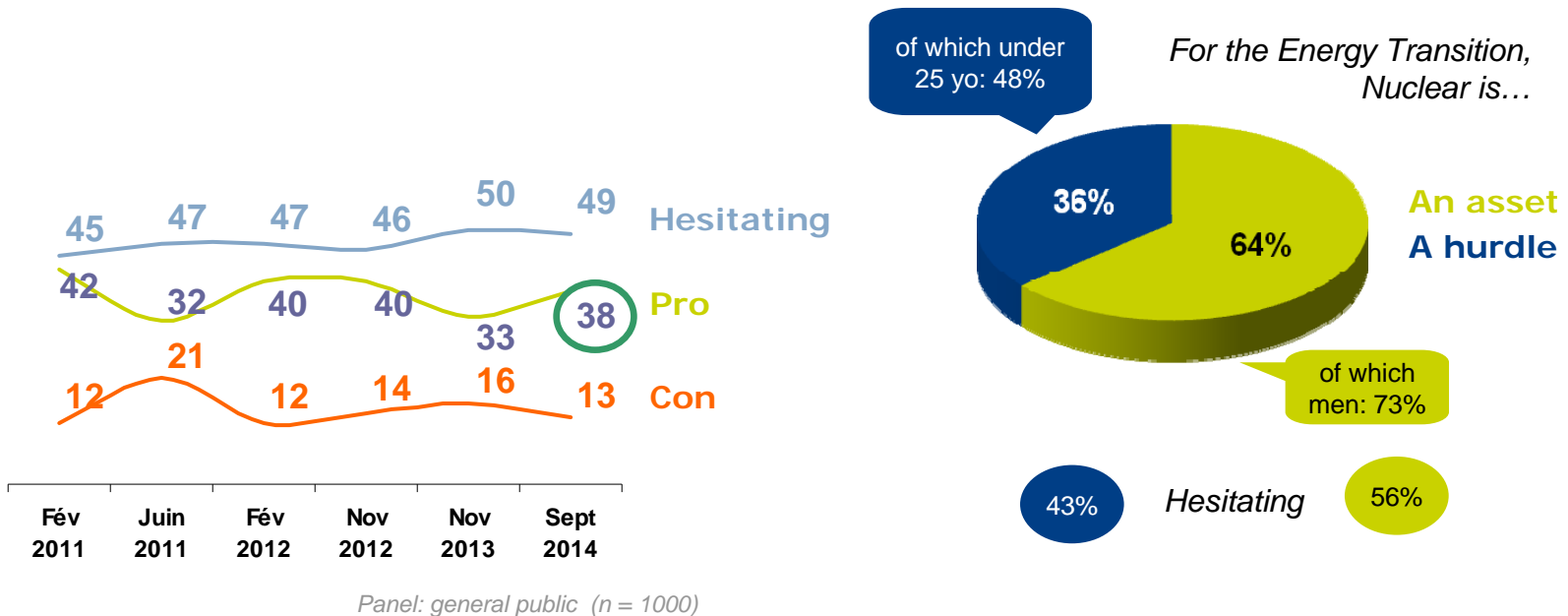
After Fukushima, most countries have confirmed their plans regarding nuclear



Back close to a pre-Fukushima-like level of public acceptance



Example: general public opinion in France



Source: poll "baromètre AREVA" by TSN-Sofres, sept. 2014

What are the stakes of the Nuclear secrecy image?



»» **What** do people think we have to hide?

»» **Why** do people think we have something to hide?

How can the Industry respond?

“
Reliability



AREVA AWARDS 2015
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Et si vous aussi vous participiez ?



Innovation

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How can each of us contribute?



Questions & answers