The changes in Japan's primary energy supply (million kl)

<table>
<thead>
<tr>
<th>Year</th>
<th>Renewable (million kl)</th>
<th>Nuclear (million kl)</th>
<th>Natural Gas (million kl)</th>
<th>Coal (million kl)</th>
<th>LPG (million kl)</th>
<th>Oil (million kl)</th>
<th>Total (million kl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>43 (7%)</td>
<td>64 (11%)</td>
<td>110 (19%)</td>
<td>129 (22%)</td>
<td>16 (3%)</td>
<td>212 (37%)</td>
<td>572</td>
</tr>
<tr>
<td>2013</td>
<td>41 (8%)</td>
<td>131 (24%)</td>
<td>136 (25%)</td>
<td>123 (25%)</td>
<td>13 (3%)</td>
<td>216 (40%)</td>
<td>542</td>
</tr>
<tr>
<td>2030</td>
<td>64〜67 (13〜14%)</td>
<td>51〜48 (11〜10%)</td>
<td>92 (19%)</td>
<td></td>
<td></td>
<td>123 (25%)</td>
<td>489</td>
</tr>
</tbody>
</table>

Source: Long-term Energy Supply and Demand Outlook, Agency for Natural Resources and Energy
**Japan-Russia cooperation projects**

**Sakhalin I**
- Japanese Firm (SODECO)
- Crude Oil exports to Japan (since 2005)
- Natural Gas undeveloped

**Sakhalin II**
- Japanese Firms (Mitsui & Co. Ltd, Mitsubishi Corporation)
- Crude Oil exports to Japan (since 1999)
- LNG exports to Japan (since 2009)

**INK-Zapad**
- Japanese Firm (Itochu, INPEX, JOGMEC)
- Exploration

**ESPO Phase I**
- (Sep. 2009)

**ESPO Phase II**
- (Dec. 2012)