

Air Quality Measures South Korea

2016.12



Ministry of Environment

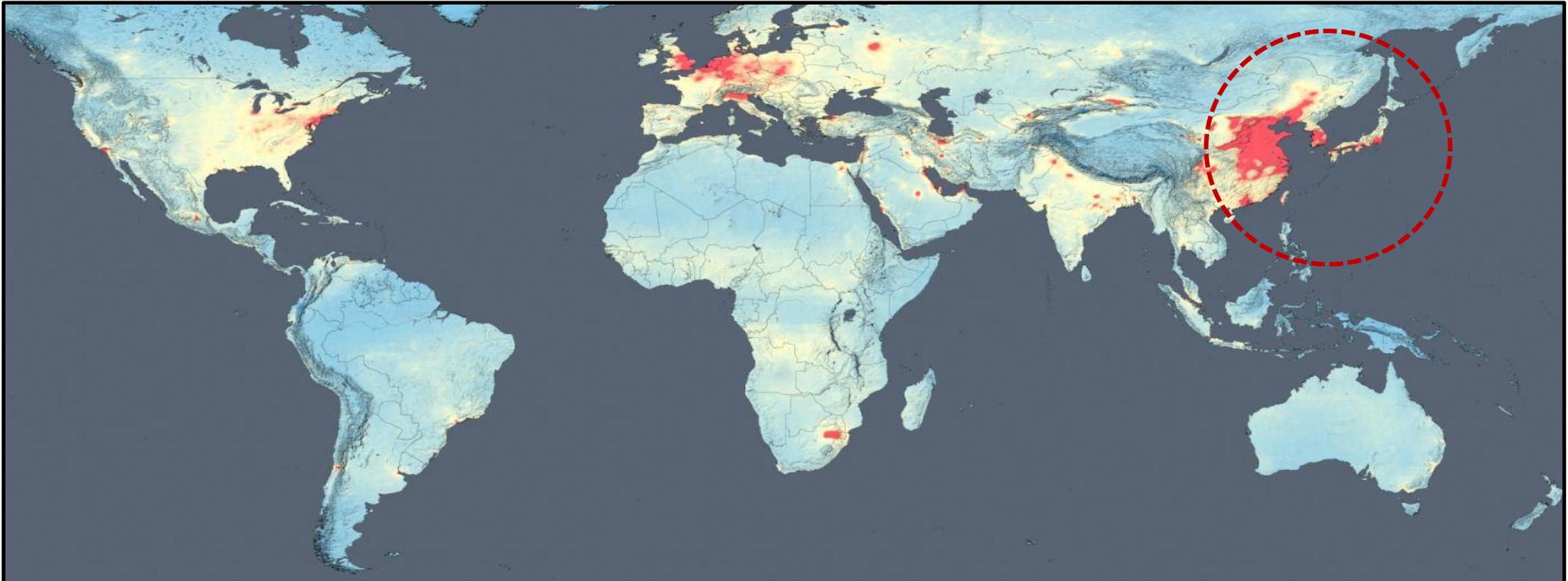
Current Air Quality Status in South Korea



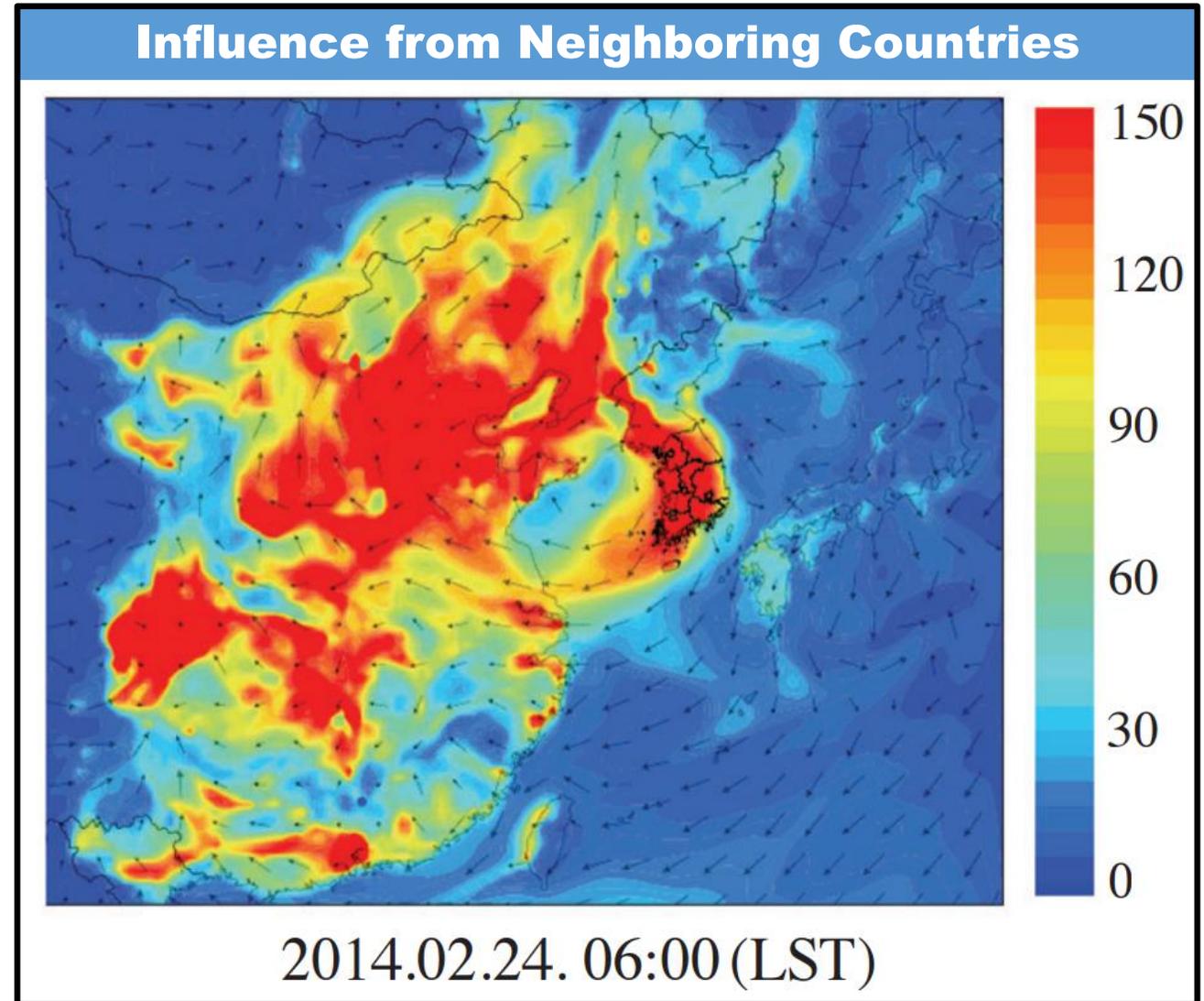
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1 Current Air Quality Status in South Korea

- ❖ According to NASA Satellite Air Quality Map*, South Korea is one of the most concerned countries regarding air pollution (averaged over 2014).
* Its major index is NO_x mostly caused by power plants and automobiles.

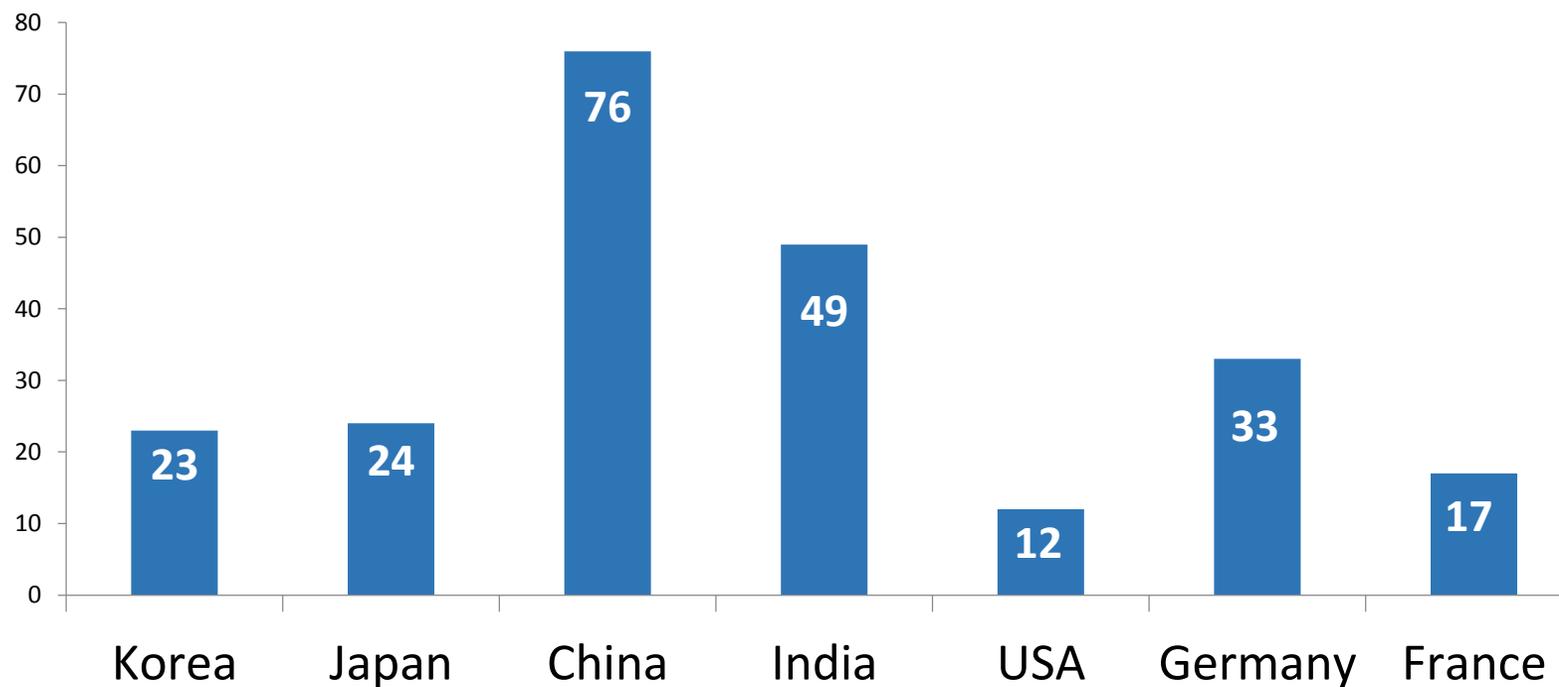


- ❖ Transboundary particles exacerbate Korea's PM concentrations (Source: OECD performance review draft)
 - ❖ For an high concentration episode (24 Feb 2014), the contribution rate of neighboring countries was analyzed as 51.94%(Source: KOSAE)
- * Besides, high population density and rapid industrialization led high density of fine dust



- ❖ In terms of premature deaths caused by outdoor air pollution, South Korea is one the vulnerable countries.

Premature Deaths from Outdoor Air Pollution (Unit: deaths per 100,000 capita)



Source: WHO(2016), Ambient Air Pollution: A Global Assessment of exposure and burden of disease

Source Analysis on PM_{2.5}



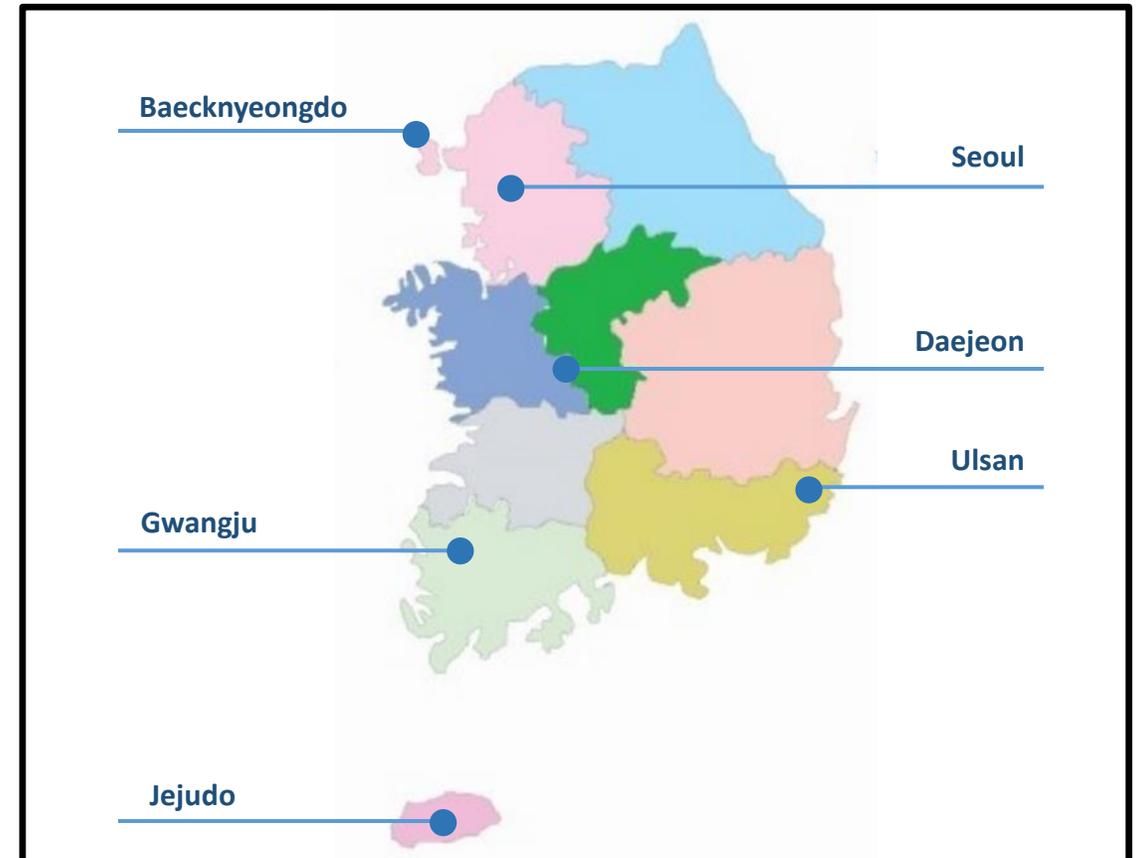
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- ❖ With aggravating air pollution, Korea puts an high importance on clear **cause analysis** (domestic sources + influence from other countries) in preparing actions to improve its aggravating air quality.

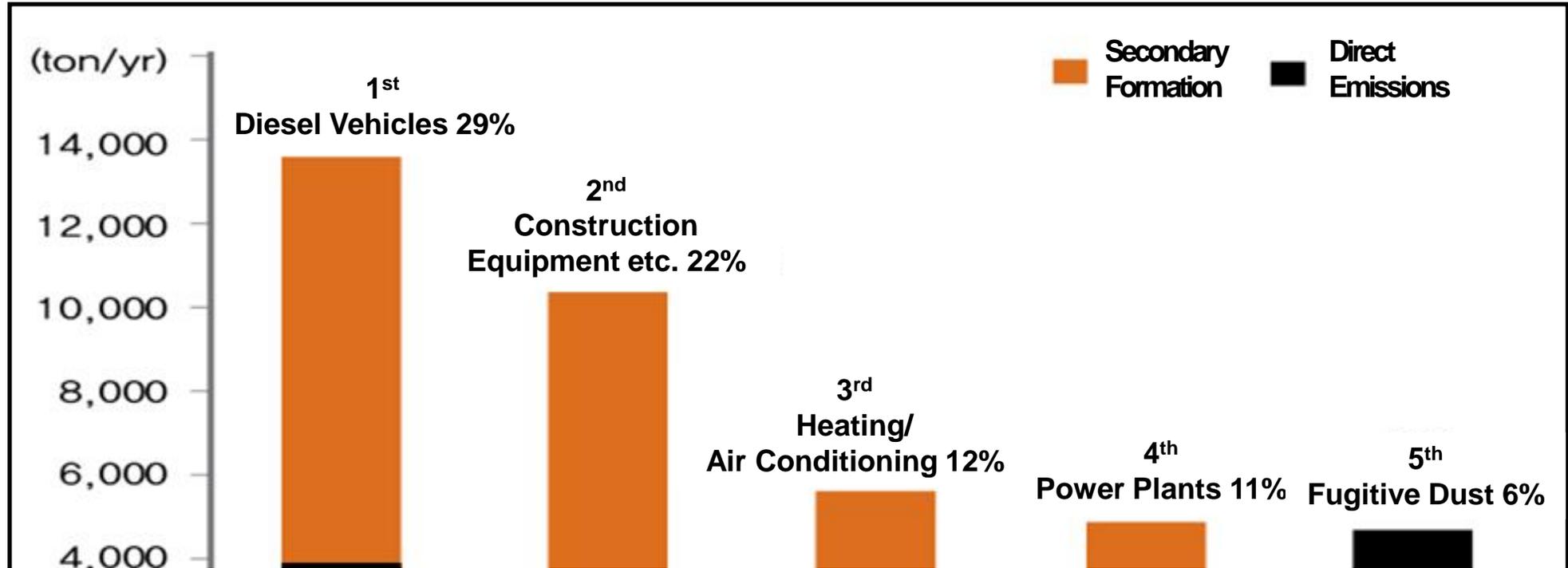
- **Domestic polluting-sources**

- **Emission statistics**
- **Super-Sites** (Intensive monitoring station network)

Based on the dedicated information above, **secondary formation** and **contribution rate of each local part** are also reflected in preparing actions.



❖ Metropolitan Areas



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https://www.yunbaogao.cn/report/index/report?reportId=5_1879

