



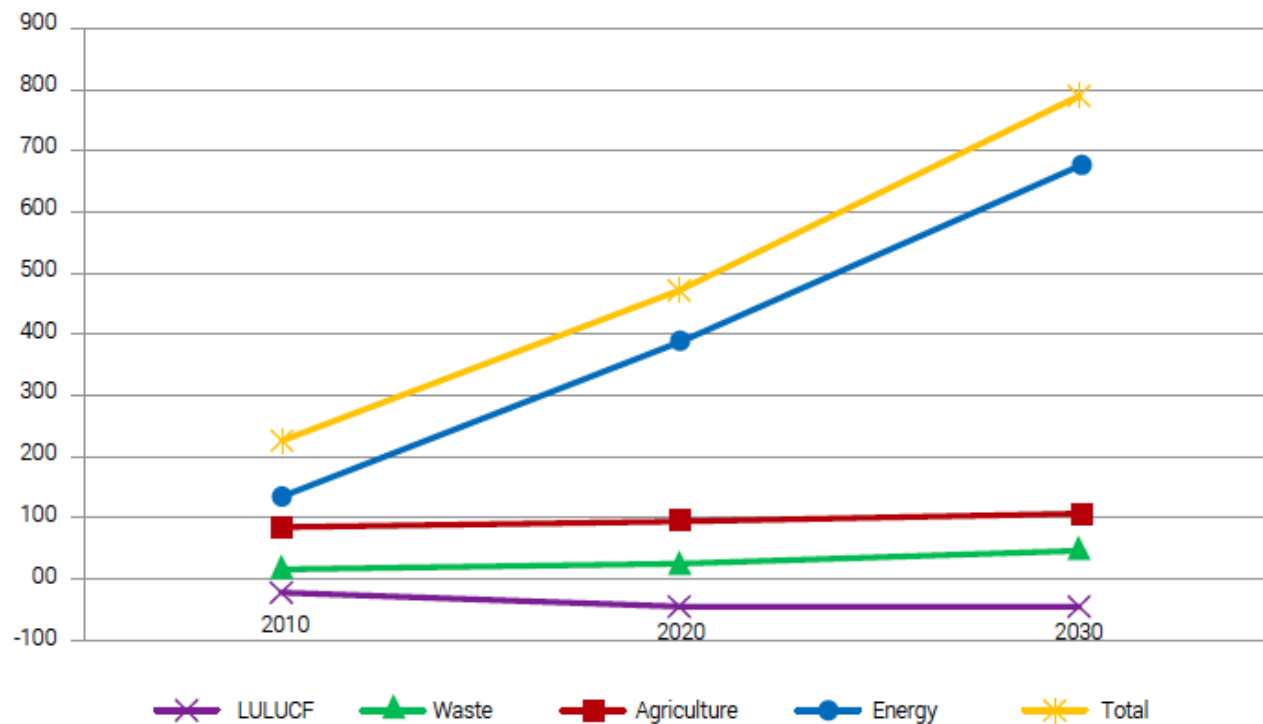
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Resilient nations.*

Lessons learned from programme to support private sector's actions toward low carbon society and green growth

Jiri Dusik, UNDP Viet Nam

JICA & MONRE Outreach Event on Low Carbon Technologies
Hanoi, 28 August 2017

National context

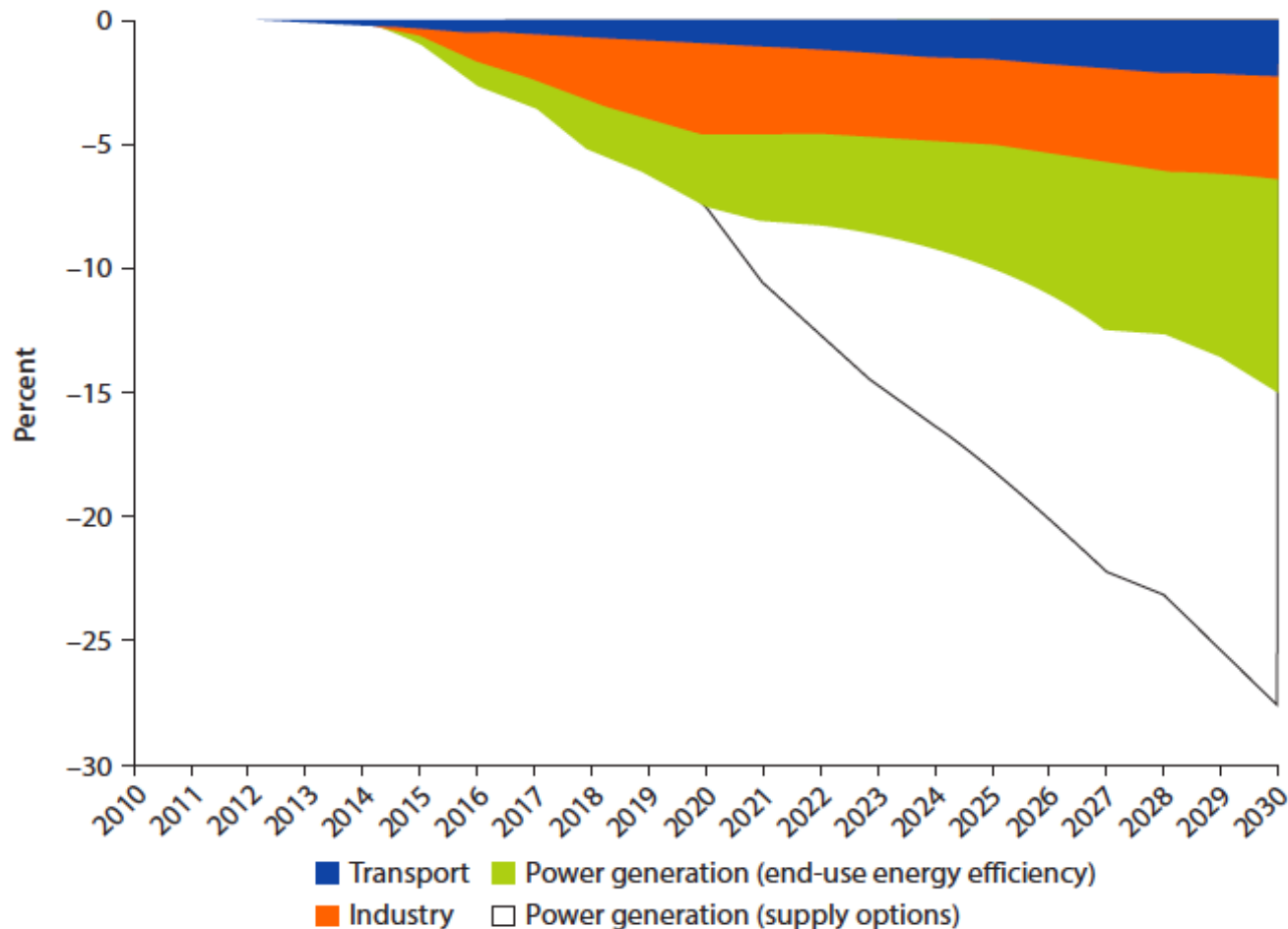


Source: MONRE, 2015

Key GHG reduction opportunities compared to BAU

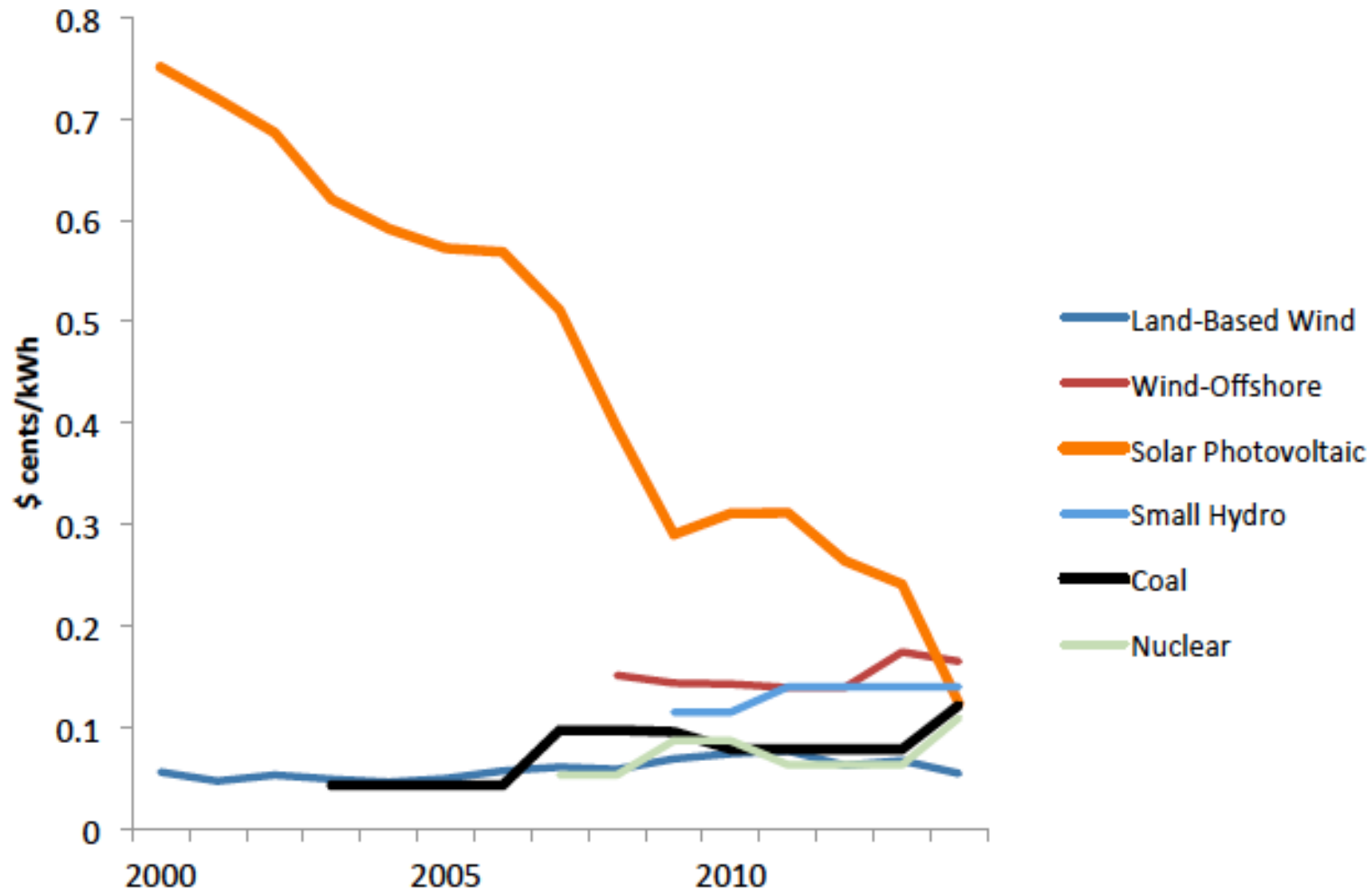


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Source: World Bank (2016)

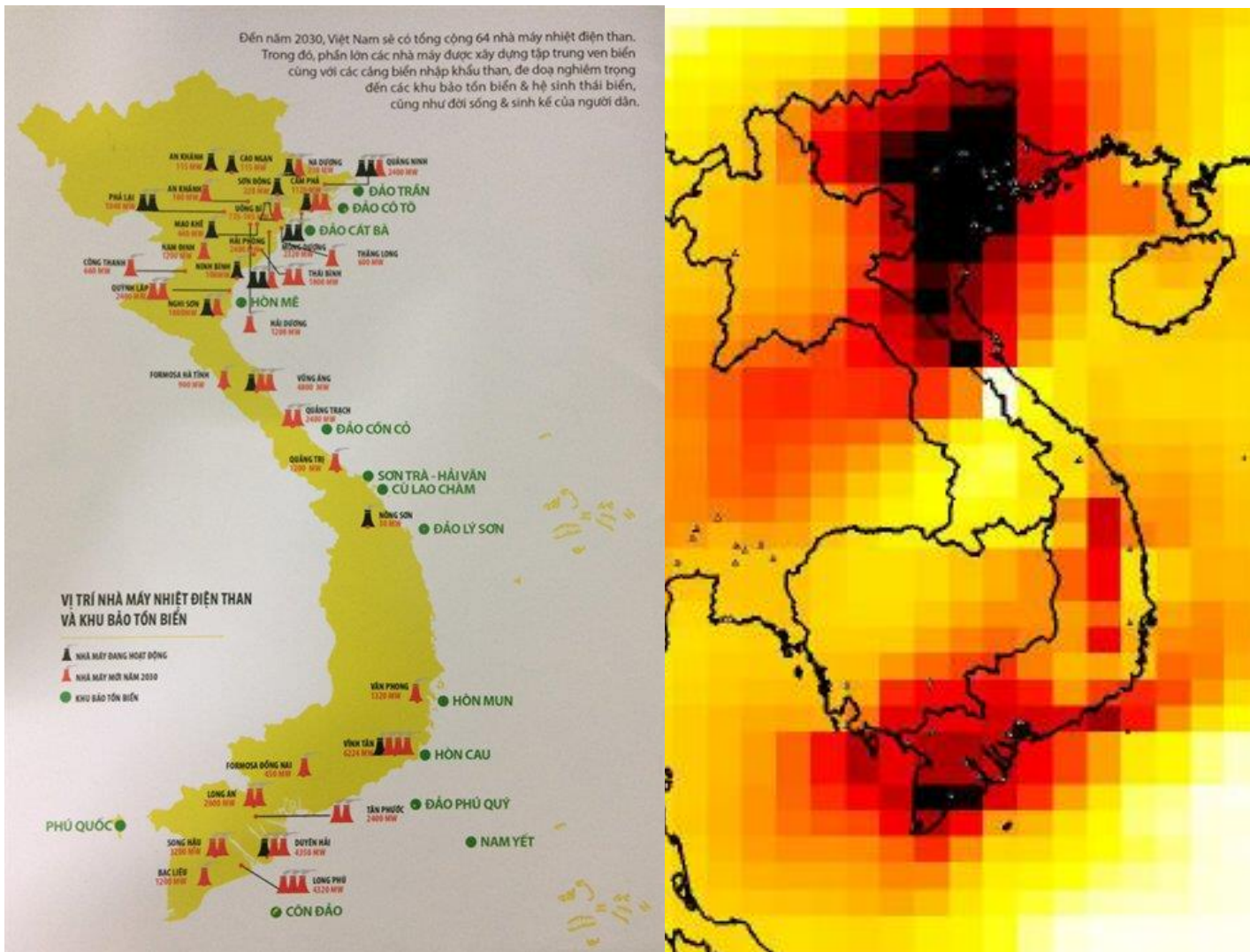
Levelized Cost of Energy (World Average)



Source: World Economic Forum, 2017

Environmental context

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Constrains	Opportunities
Low & subsidized energy prices	<ul style="list-style-type: none">• Fuel tax• Other environmental fees and taxes
Low awareness of potentials	<ul style="list-style-type: none">• Enterprises: Efficiency more profitable than expansion (e.g. automation)• Households: Lifestyle values and choices
Limited consideration of best available technologies	<ul style="list-style-type: none">• Consideration of CC mitigation and adaptation approaches in development planning and permitting (EIA, SEA)
A lack of access to suitable financing	<ul style="list-style-type: none">• Long-term concessional loans• Credit guarantees

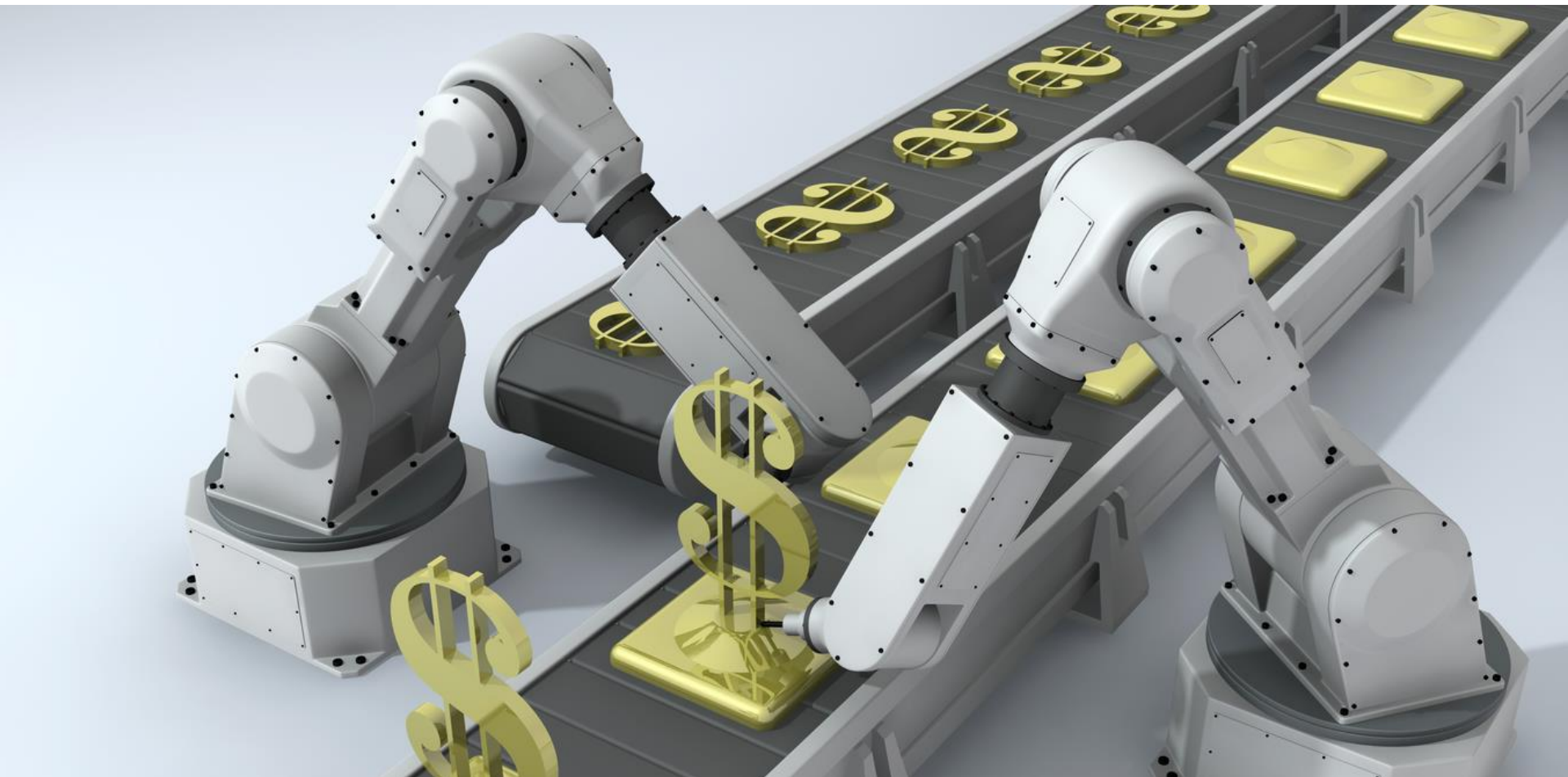
Environmental tax on coal X gasoline

No	Goods	Calculation unit	Tax rate (USD)
I	Gasoline, oil, grease		
1	Gasoline, except ethanol	Liter	0.05 - 0.2
2	Aircraft fuel	Liter	0.05 - 0.15
3	Diesel oil	Liter	0.025 – 0.1
4	Petroleum	Liter	0.015 - 0.1
5	Fuel oil	Liter	0.015 - 0.1
II	Coal		
1	Lignite	Ton	0.48 - 1.44
2	Anthracite Coal (Anthracite)	Ton	0.96 - 1.44
3	Fat coal	Ton	0.48 - 1.44
4	Other coal	Ton	0.48 - 1.44

Automation: long-term driver for efficiency



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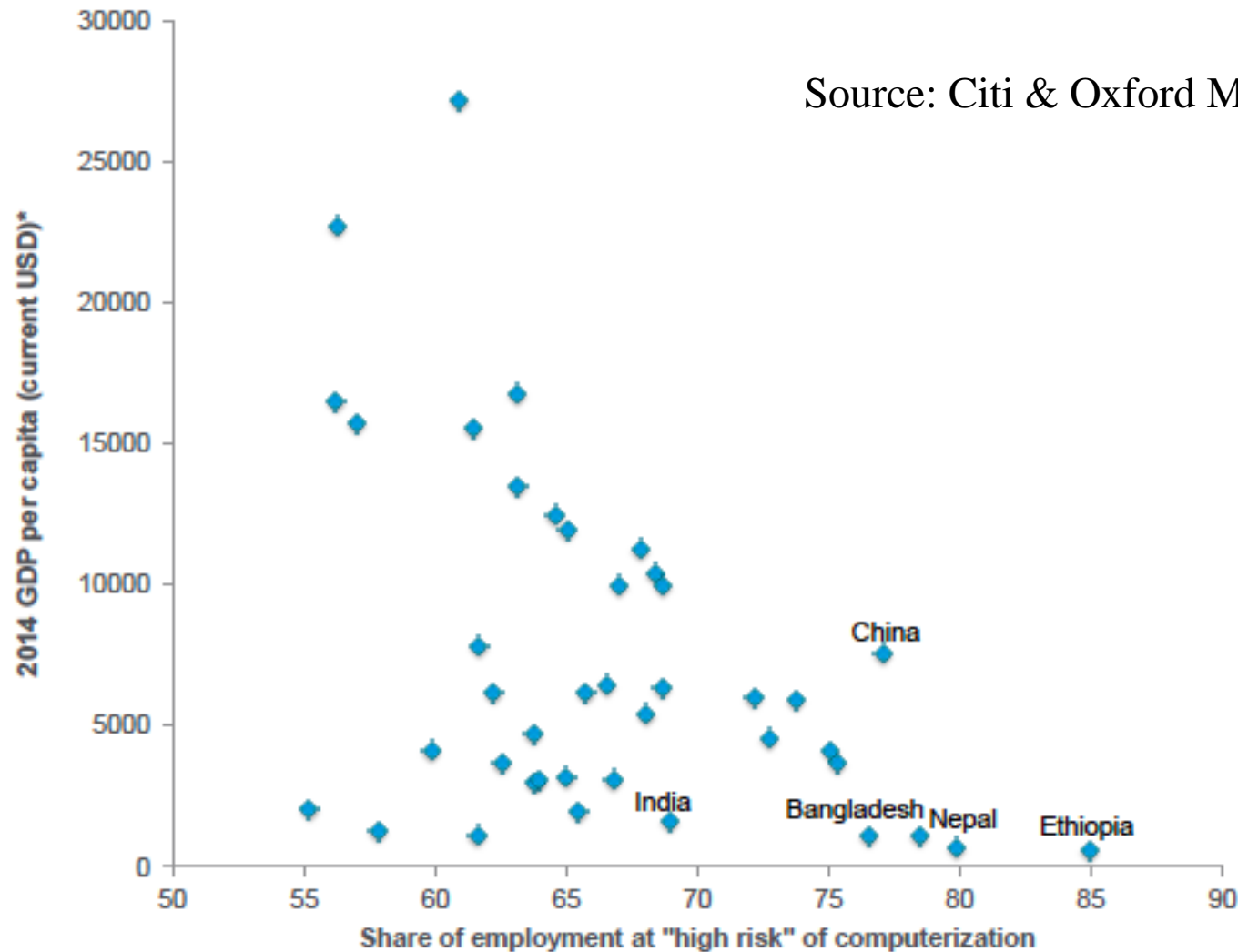


Courtesy: theconversation.com, 2016

Jobs susceptible to automation

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Source: Citi & Oxford Martin School, 2016



Key employment and growth opportunities



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- Energy and material efficiency
- Productivity of natural resources and their sustainable use



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Lessons from green growth agenda

- MACC (technological options), SWOT, provincial dialogues
- The limited appreciation of multiple benefits of proposed measures
- Need for integrated consideration of climate change concerns with environmental concerns



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Possible ways forward

- Using technological options for CC mitigation and adaptation in EIA/SEA?
- Energy audits & environmental audits and reporting ?
- Environmental & climate taxes?



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Thank you for your attention!

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