

Socioeconomic and Environmental Implications of an Asian Energy Highway

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EGM on Conceptualizing the AEH
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Why Energy?

- Providing a clean, affordable, reliable supply of energy to poor households for lighting, cooking and heating is a prerequisite to successfully fight poverty and improve human well-being
- Challenge 1: Allocation of energy supplies
 - Basic energy access is difficult to sustain unless incomes rise
 - Income generation requires energy for productive uses
- Challenge 2: The environment
 - Energy-related greenhouse gas emissions are about 75% of the global total
 - Hydropower and bioenergy could appropriate significant shares of available land and water resources
 - Energy production and use results in dangerous pollutant emissions



Why a Highway?

- A useful arena for regional cooperation
- An extended value chain with opportunity for income generation
- A way to smooth intermittent supply from renewables

- A vulnerability if relations deteriorate
- An extended chain with potentially many weak links
- A technologically complex and potentially vulnerable energy infrastructure



Perspectives on an AEH

- 1. Global
- 2. National
- 3. Local



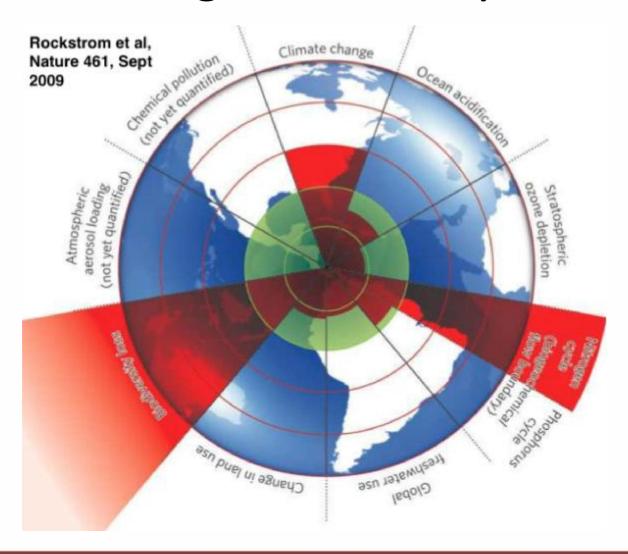
"A 4 degree warmer world can, and must be, avoided – we need to hold warming below 2 degrees," said **World Bank Group President Jim Yong Kim**. "Lack of action on climate change threatens to make the world our children inherit a completely different world than we are living in today. Climate change is one of the single biggest challenges facing development, and we need to assume the moral responsibility to take action on behalf of future generations, especially the poorest."

World Bank Press Release 20 November 2012

GLOBAL: DEVELOPMENT WITHIN BOUNDS

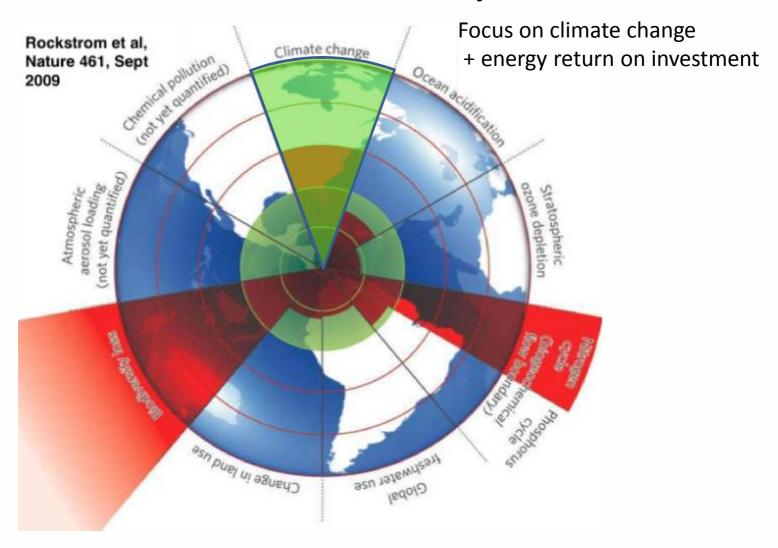


Global Challenges: Planetary Boundaries

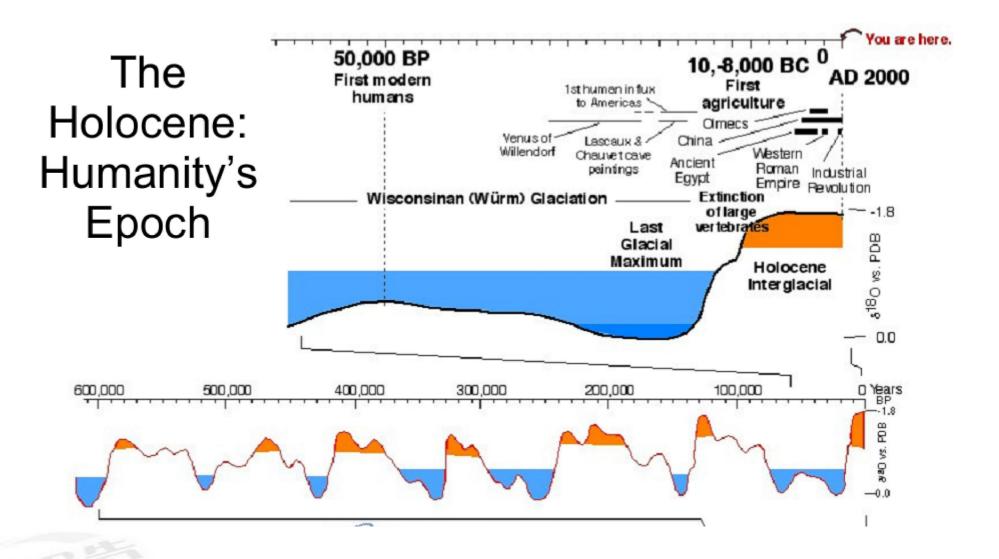




Global Challenges: Planetary Boundaries







预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_6837

