

Lessons from a China Environmental Performance Index Yale Workshop on Third-Wave Data for Environmental Policy in China

1 March 2016

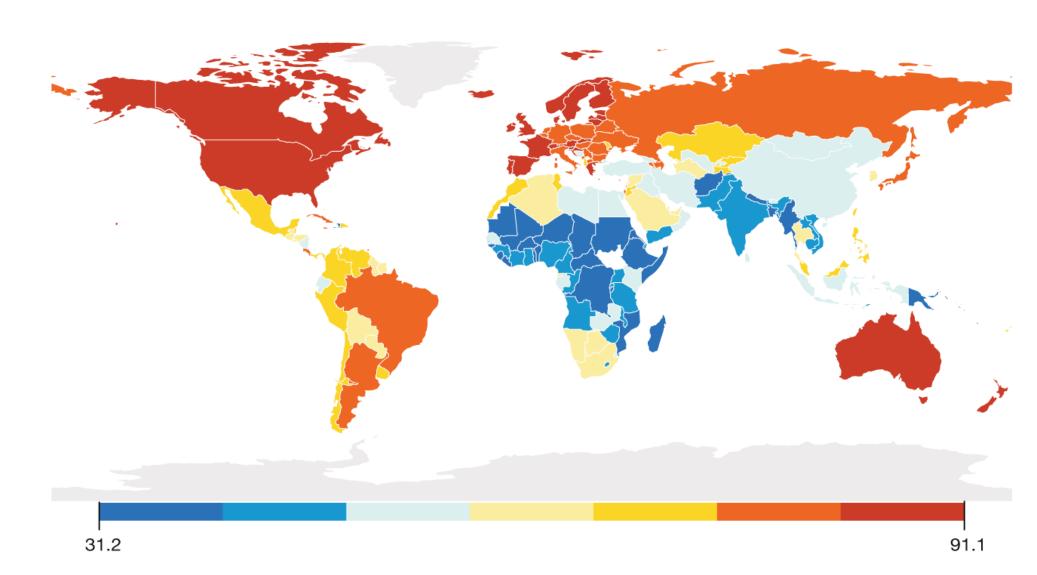
Beijing, China

Figure 7: The 2016 EPI Framework includes 9 issues and 20 indicators.

Access to Electricity is not included in the figure because it is not used to calculate country scores.



Figure 24: Global 2016 EPI results range from a score of 31.2 to 91.1, with 100 being the best score and 0 the worst.



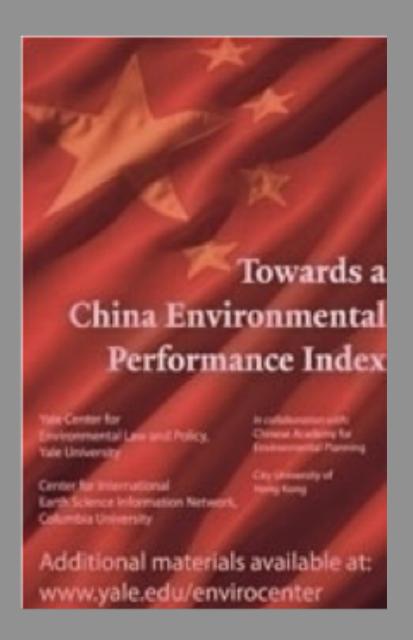


"Is it possible, given available data, to develop an environmental performance index that ranks all province-level administrative

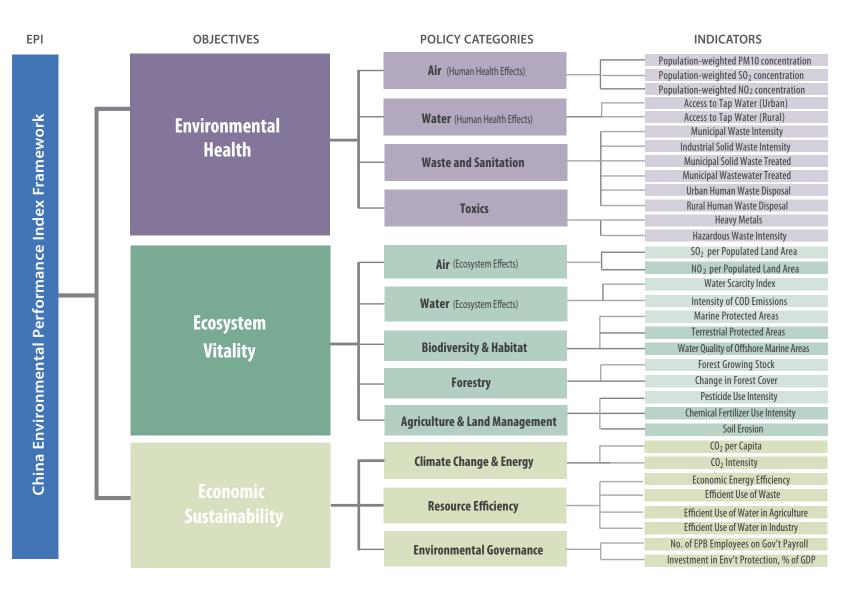


Methods

- ~ 50 experts in 3 expert workshops between 2008-2009
- 12 policy categories
- In-depth study of each policy category, including:
 - government's policy responses
 - current environmental statistical practices
 - how they compare with international best practices.

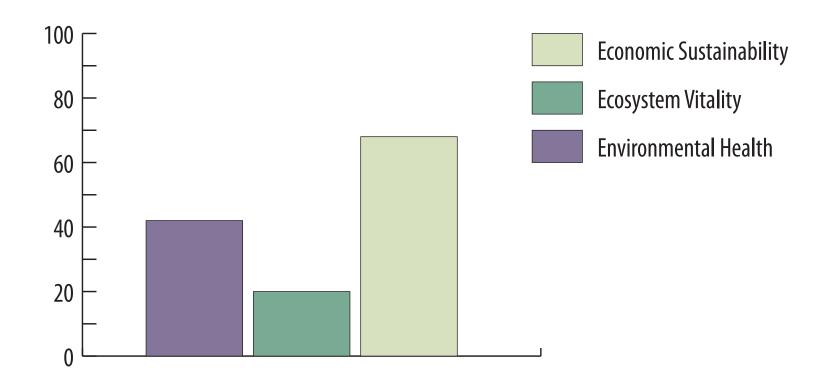


China EPI Indicator Framework



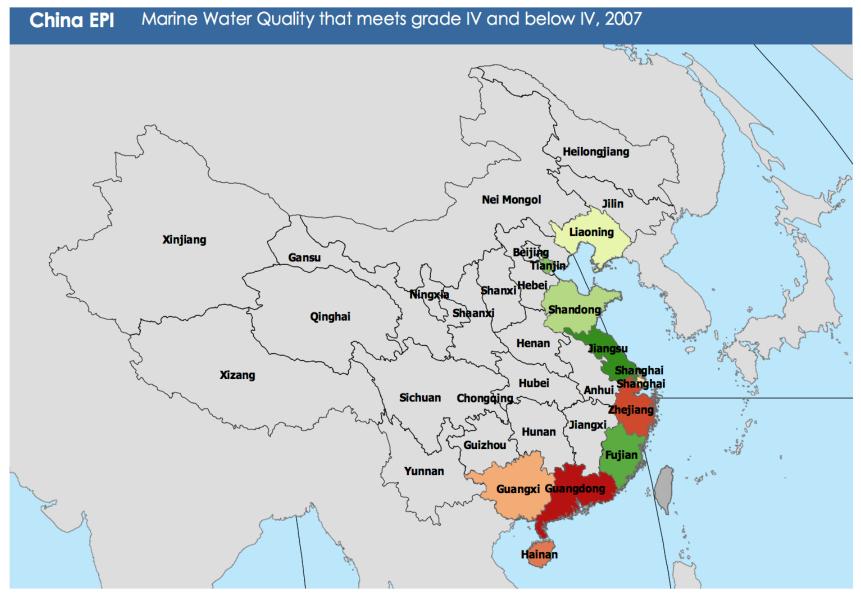
Hsu, A., A. de Sherbinin, H. Shi. 2012. Seeking truth from facts: the challenge of environmental indicator development in China. *Environmental Development*. 3: 39-51.

Baseline data availability



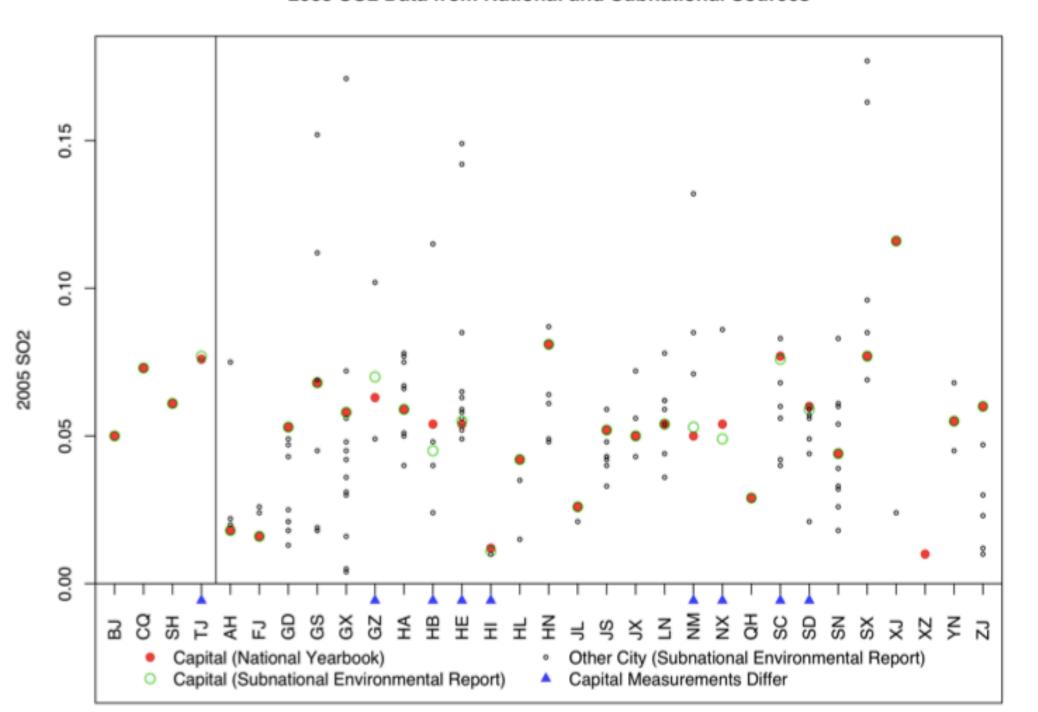
Hsu, A., A. de Sherbinin, H. Shi. 2012. Seeking truth from facts: the challenge of environmental indicator development in China. *Environmental Development*. 3: 39-51.

No access to raw data

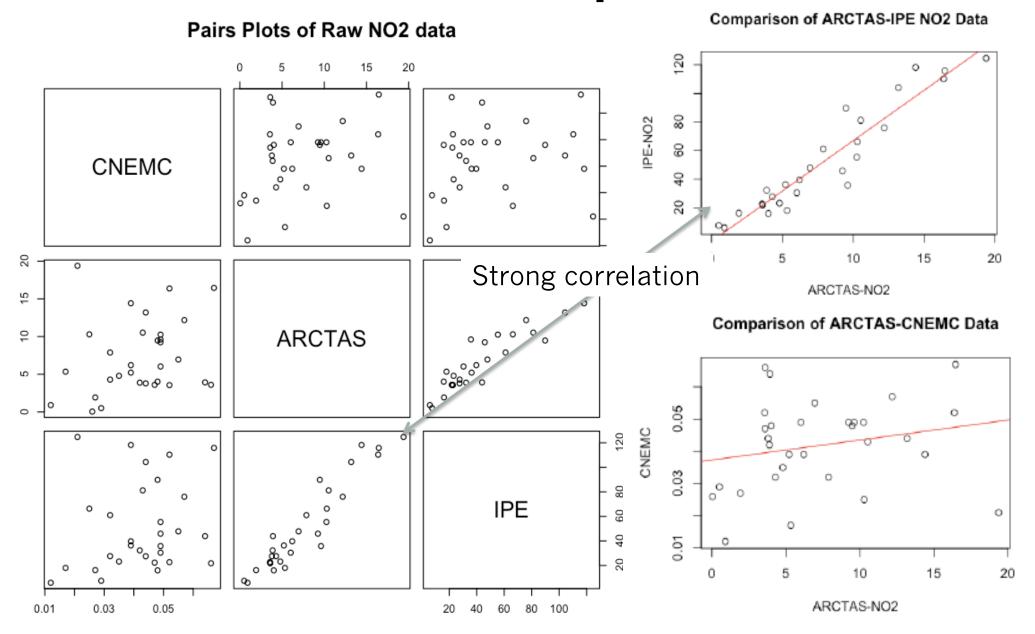


Discrepancies in Data Sources

2005 SO2 Data from National and Subnational Sources



Initial Data Exploration



Air pollution

- China National Environmental Monitoring Center (CNEMC)
- AQICN
- IPE Pollution Map
- Shanghai Qingyue Open Data Center
- Data in rural areas is lacking

Water

- China Environmental/Urban Construction/Health Statistical
- Ministry of Housing and Urban-Rural Development
 - National Black and foul water pollution inspection platform: http://www.hcstzz.com/
- Thematic Database for Human-earth System 人地系统主题数据库
 - http://www.data.ac.cn/zrzy/G01.asp? name=&pass=&danwei=
- Shanghai Qingyue Open Data Center

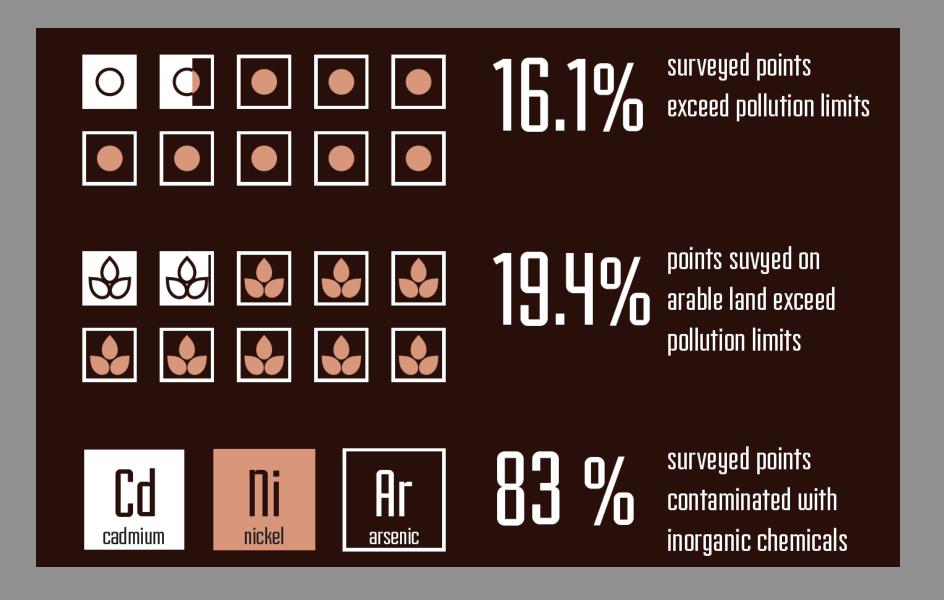
Biodiversity and Habitat

- China Environmental Statistical Data 环境数据统 计
- Nature Watch by Shanshui Conservation Center
- Map of Life (MOL)
 - http://species.mol.org/species/map/Perdix_dauurica
- Satellite data EarthEnv
 - http://www.earthenv.org/streams.html

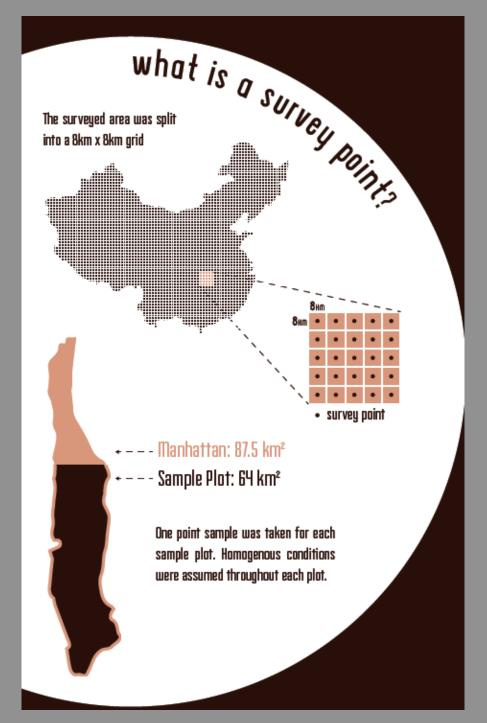
Climate Change

- China Climate Change Info-net 中国气候变化信息
 - http://www.ccchina.gov.cn/list.aspx?clmId=65
 - Climate and Resources Database 能源资源数据库
 - http://www.data.ac.cn/zrzy/G32.asp? name=&pass=&danwei=
- World Resources Institute CAIT

Soil



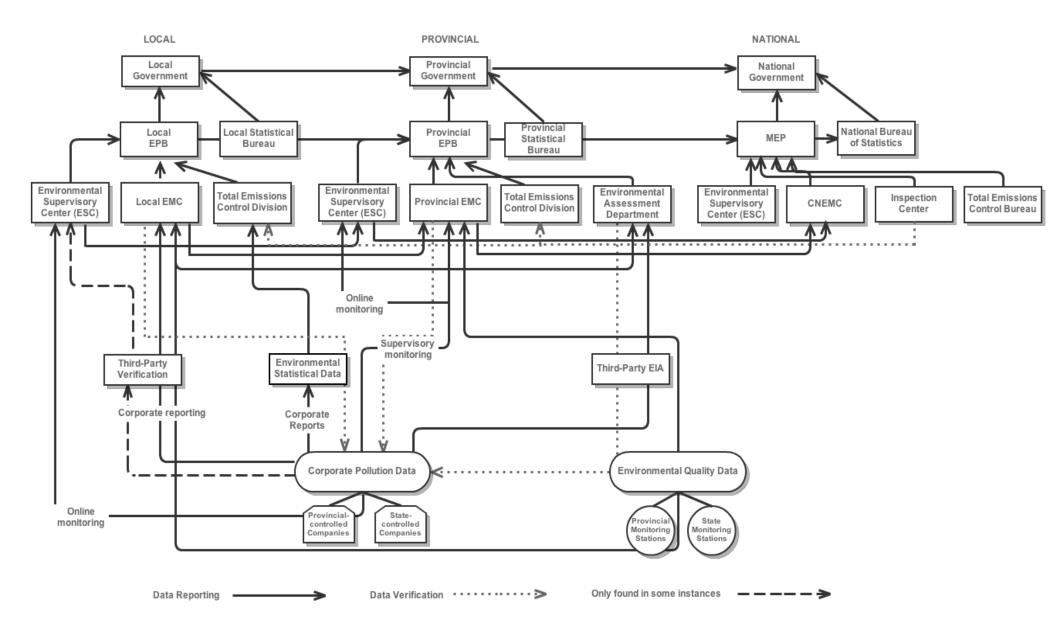
Soil



Reasons for Information Gaps

Lack of institutional coordination

Map of environmental monitoring



Hsu, A. 2013. Limitations and Challenges of Provincial EPBs in China's environmental monitoring, report, and verification. *Environmental Practice*.

Map of Environmental Impact Assessments



重要环境信息参考

第8卷 第01期(总第114期)

中国环境规划院

2012年1月16日

我院与耶鲁大学合作研究项目"结<mark>而无果"</mark> 建立与国际接轨的省级环境绩效评估体系还有较大差距

王金南 曹颖 曹东 曹国志

鬼類双扭纵。口間, 突口已经完成, 主要结论如下:

1、本项目是中国第一次在国家层面上开展省级环境绩效指数研究的项目,但项目终而无果。此项目定位于研究层面。目前,项目完成了《中国环境绩效指数(CEPI)》报告(中英文版),深入分析了中国 30 个省、自治区、直辖市 2006 年在环境健康、生态系统活力、经济可持续性 3 个政策目标 12 个环境政策类别所面临的主要问题以及所采取的主要政策措施。但是,这项研究并没有给出 30 省市区一个综合的环境绩效指数及排名。从衡量研究项目成果的传统指标来看,本研究项目是一个"结而无果"或"失败"的项目。

2、本项目主要探讨了构建中国省级环境绩效指数的思路与方法。

在项目研究中, 首先对中国构建公组环境结构也实

结而无果,
"bears no fruit"

失败, "failure"