

Workplan items: Costs of inaction

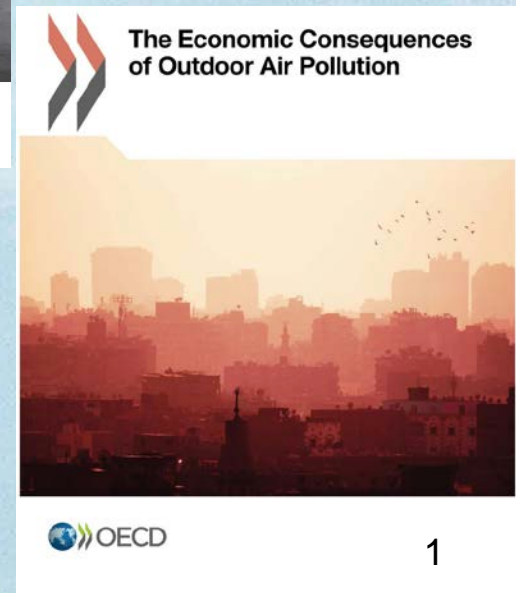
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<http://perspectives.eiu.com/sustainability/cost-inaction>

https://read.oecd-ilibrary.org/environment/the-economic-consequences-of-outdoor-air-pollution_9789264257474-en#page1



OECD CIRCLE study

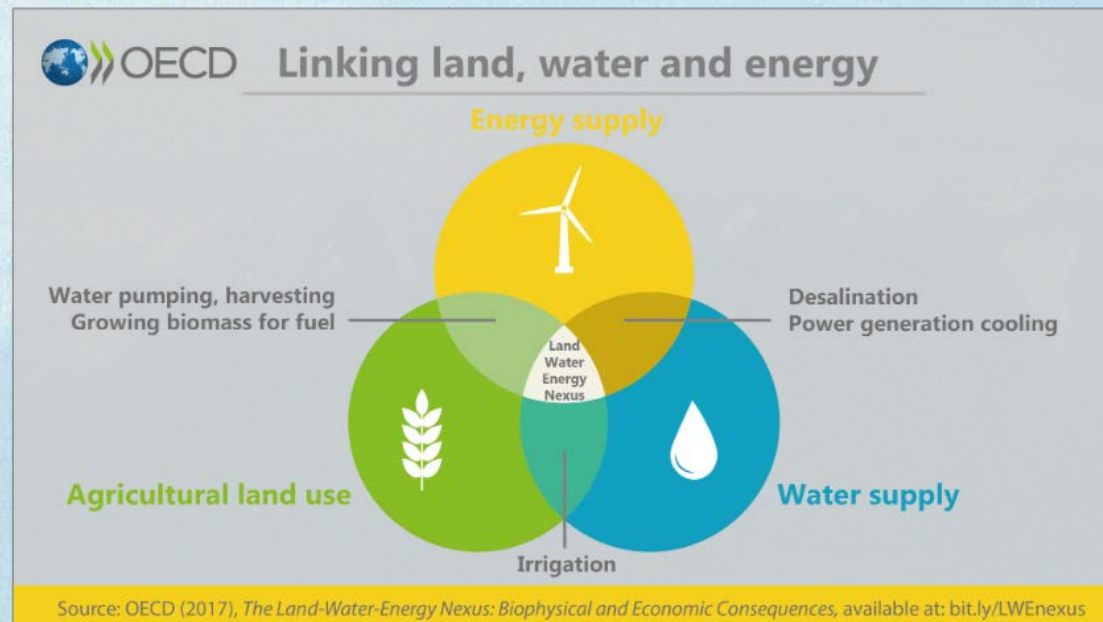
- Costs of Inaction and Resource scarcity: Consequences for Long-term Economic growth (CIRCLE)
 - <http://www.oecd.org/env/indicators-modelling-outlooks/circle.htm>
- *“The OECD CIRCLE project aims to identify how feedback from poor environmental quality, climatic change and resource scarcity affect economic growth, and how policies may alter this.”*

CIRCLE: Key publications

- [The Economic Consequences of Outdoor Air Pollution](#)
- [The Economic Consequences of Climate Change](#)
- [The Land-Water-Energy Nexus: Biophysical and Economic Consequences](#)
- [The International Trade Consequences of Climate Change](#)

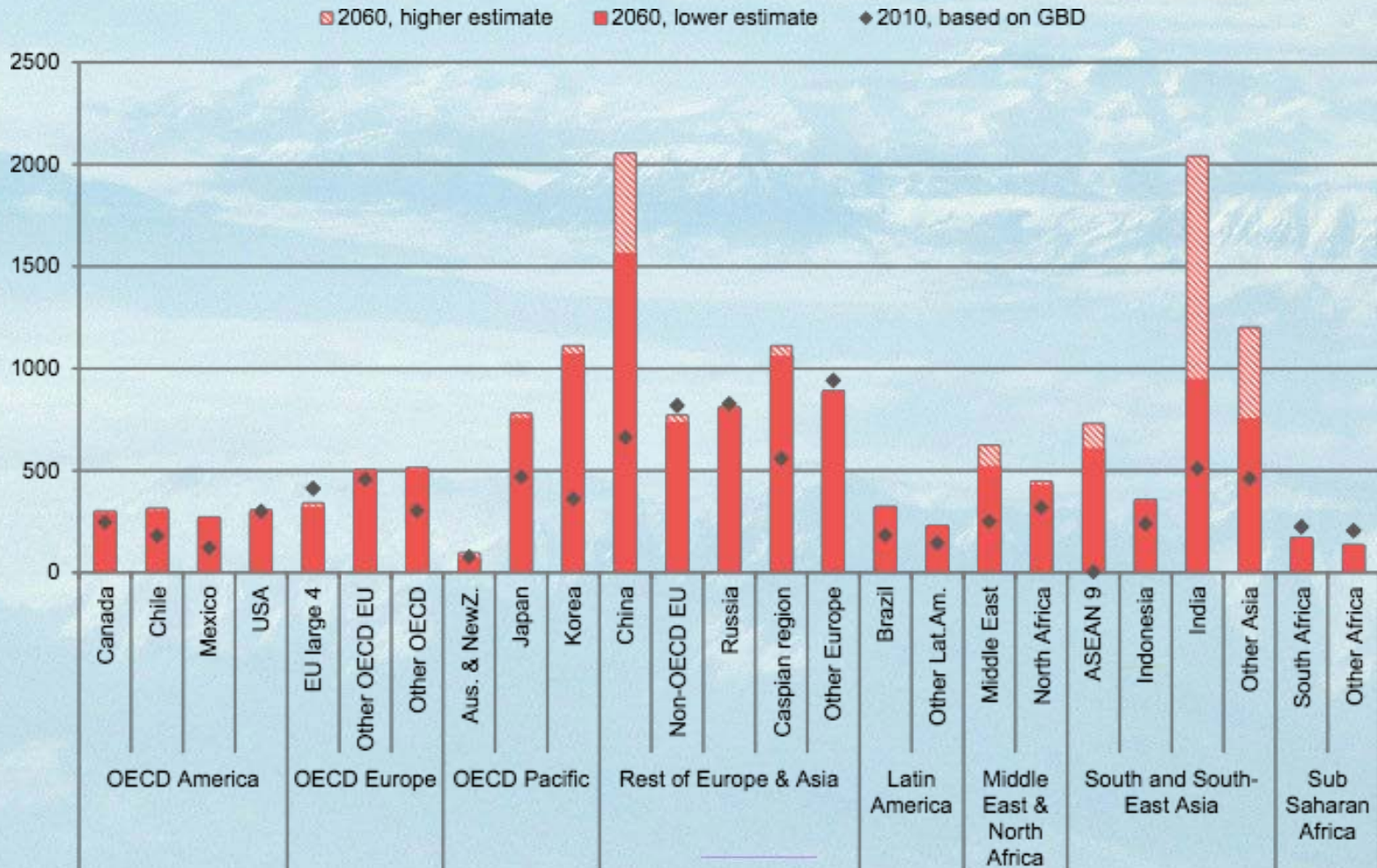
CIRCLE: inter-connections

- Some are obvious
 - Air quality / climate
- Others less so
 - Air quality / land, water



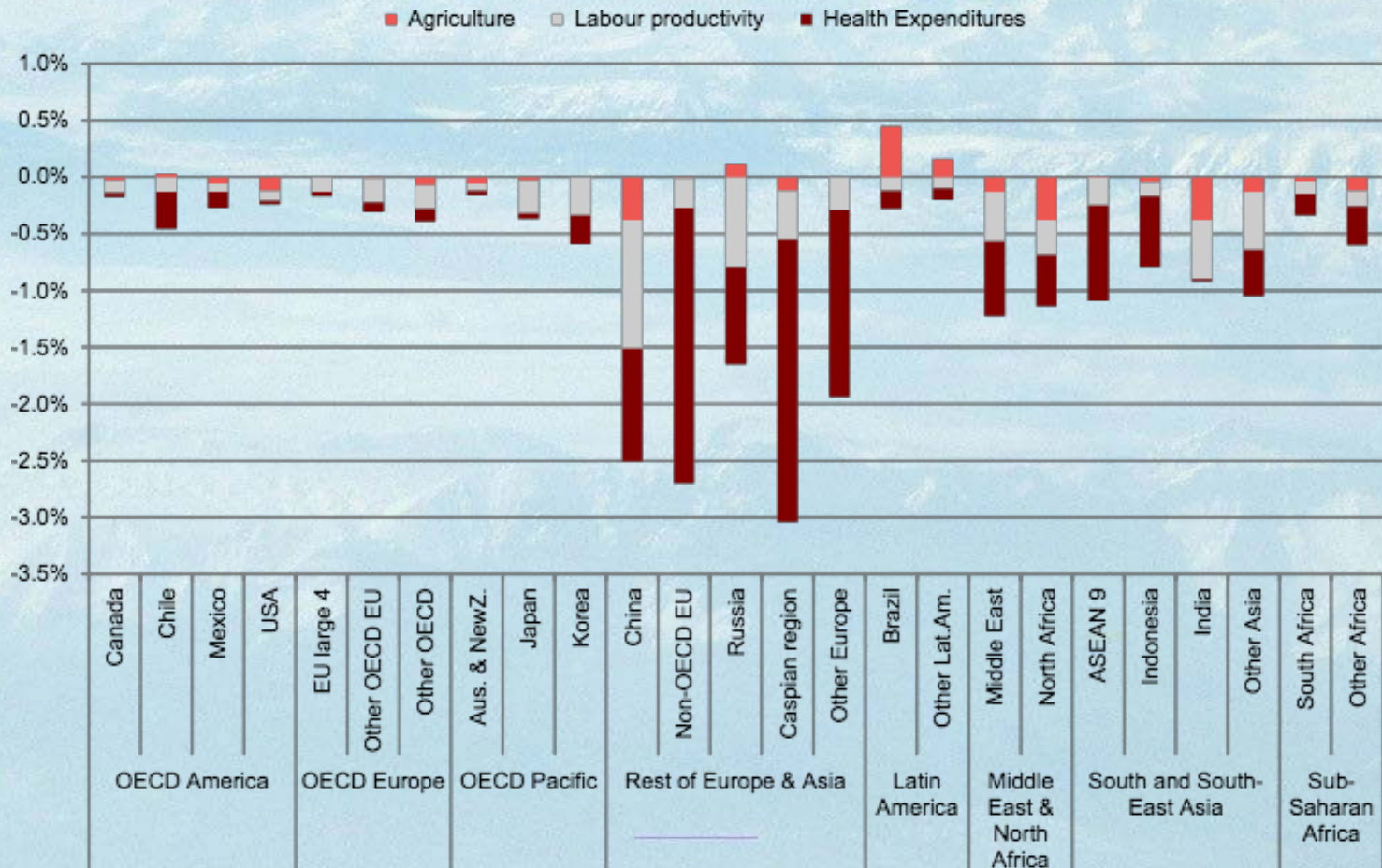
Air quality results from OECD CIRCLE study

Deaths from outdoor air pollution (PM+O₃) per year per million people



Air quality results from OECD CIRCLE study

Change in regional GDP from market impacts, central projection:
Percentage change w.r.t. no-feedback projection, 2060



Questions arising for TFIAM workplan

- Inaction?
 - Total impact as ‘cost of inaction’?
- Timeframe
 - To 2050, 2060, 2100?
- Geographic scope
 - Europe only or global?
- Scenarios
 - Business as usual to illustrate inaction
 - Might imply that there is nothing we can do
 - Include ‘action’ scenario?
 - MTFR, or beyond MTFR?

Questions arising for TFIAM workplan

- Methods
 - Current EU approach?
 - GBD methods for health impacts?
- Range of impacts
 - Health only?
 - Mortality only or include morbidity?
 - Include materials, forests, crops, ecosystems?
- Co-benefits and trade-offs of action
 - Dependent on inclusion of action scenario
 - Certainly useful for informing the policy debate, even if only qualitatively