



FINEPRINT: tracing environmental impacts of resource extraction along global supply chains

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Impacts depend on specific location

Chile: Copper mining



<http://intradayfun.com/2011/01/10-world-biggest-holes-created-by-human-and-nature>



http://www.dw.com/image/0%2C%2C19318441_302%2C00.jpg

Brazil: Soybean production



<https://www.greenpeace.org/archive-international/en/news/features/amazon-destruction>

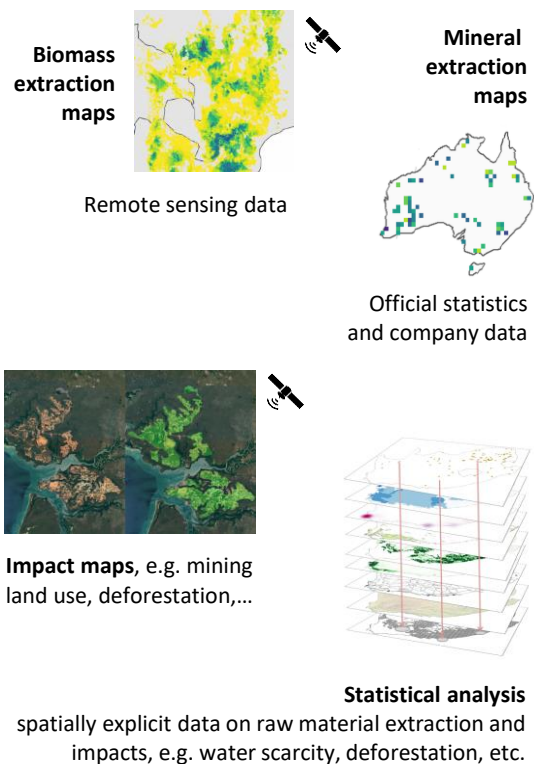


https://es.wikipedia.org/wiki/Archivo:Sembrado_de_soja_en_argentina.jpg

- **Develop new methods for assessing global material flows and related impacts using high spatial resolution**
- Link spatially-explicit data on raw material extraction and related impacts to models of global supply chains
- Identify the distant drivers (economic sectors, consumption areas) of local changes in ecosystems and communities
- Compare impacts along different supply chains for the same products to identify options for reducing negative impacts

Implementation of FINEPRINT

Raw material extraction and environmental impacts

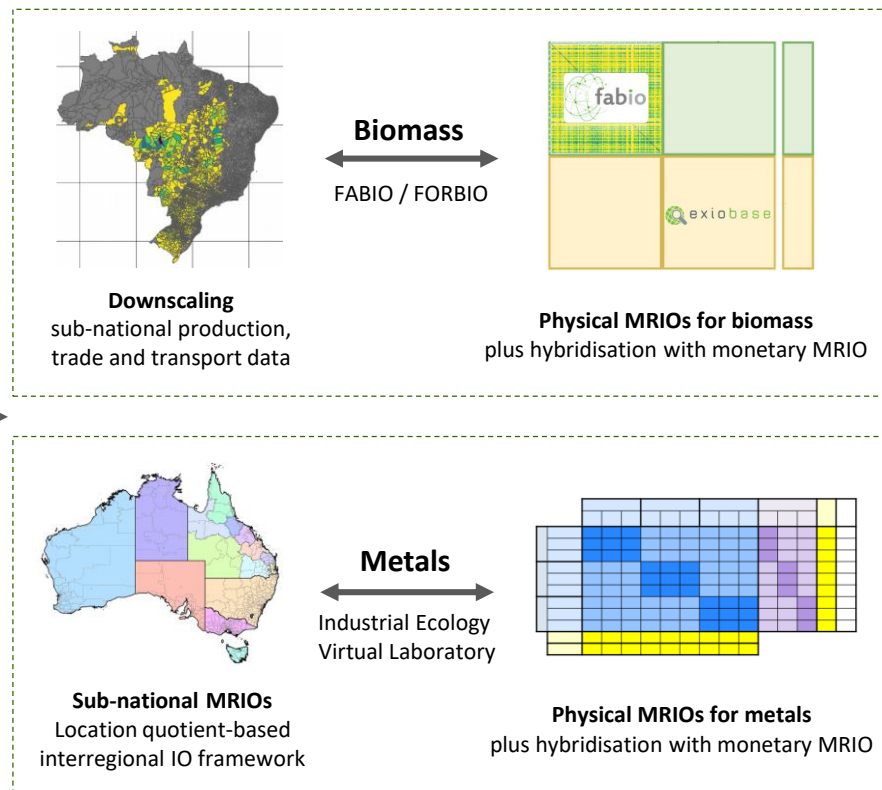


Proportional allocation

between sub-national entities and grid cells

Sub-national trade

International supply chains



Potential use of results

- **Academia:** relations between global drivers and local impacts in hot-spot extraction regions and supply chains
- **Policy:** resource extraction governance; sustainable production and consumption policies
- **Business:** environmental impacts of resource extraction; information about supply-chain wide pressures and impacts
- **Consumers:** raise awareness of global impacts of consumption to change behavior and lifestyles



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www.fineprint.global
github.com/fineprint-global
researchgate.net/project/FINEPRINT

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