



Center for Global Sustainability Analytics for Ambition I Collective Action

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Sustainable Industrial Development in Indonesia: Challenges and Opportunities in Industrial Parks

4 June 2024



Industrial Park Database Launch

- cgsindustrialparks.org
- One and half year efforts of data collection and validation
- 140 industrial parks in the database up to now
- Downloadable CSV files for the research community
- Six layers of display

Six layers to cover all the important elements

Basic Information



Energy Source and Capacity



Status



Foreign Company Involvement



Key Commodities



Environmental Concerns and Disputes



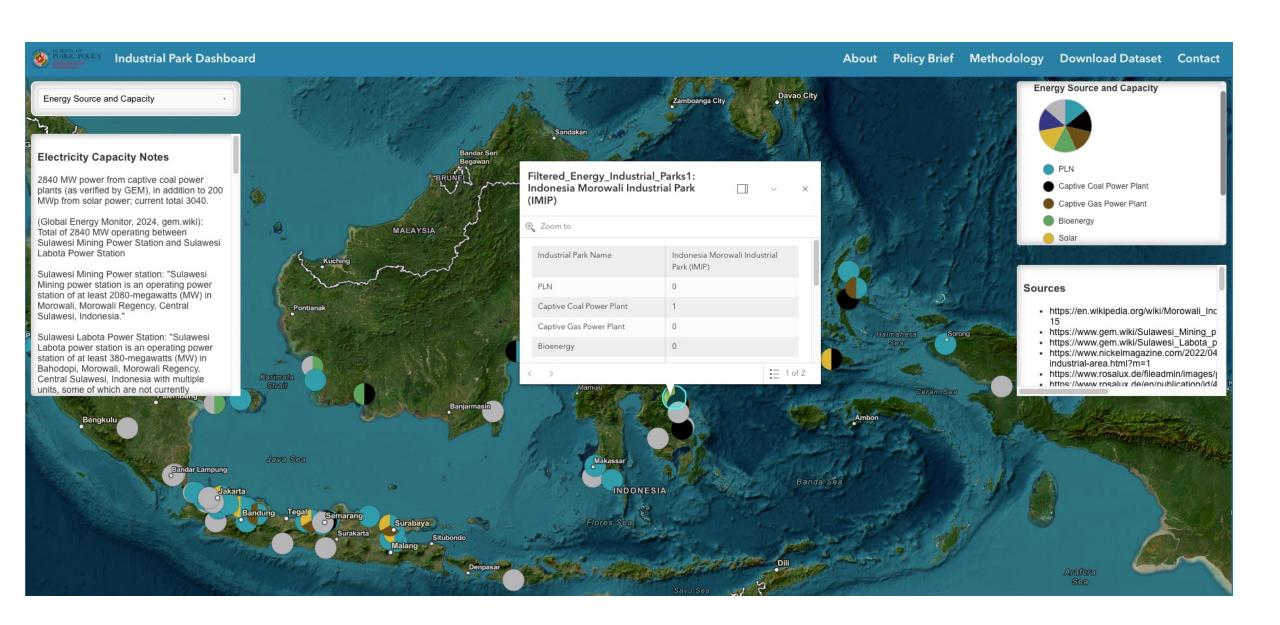
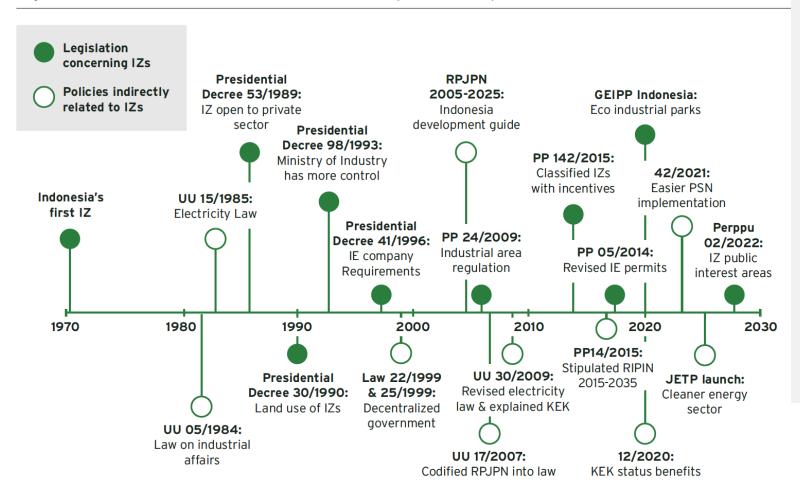
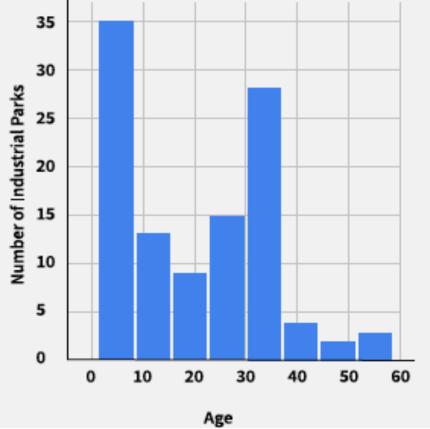


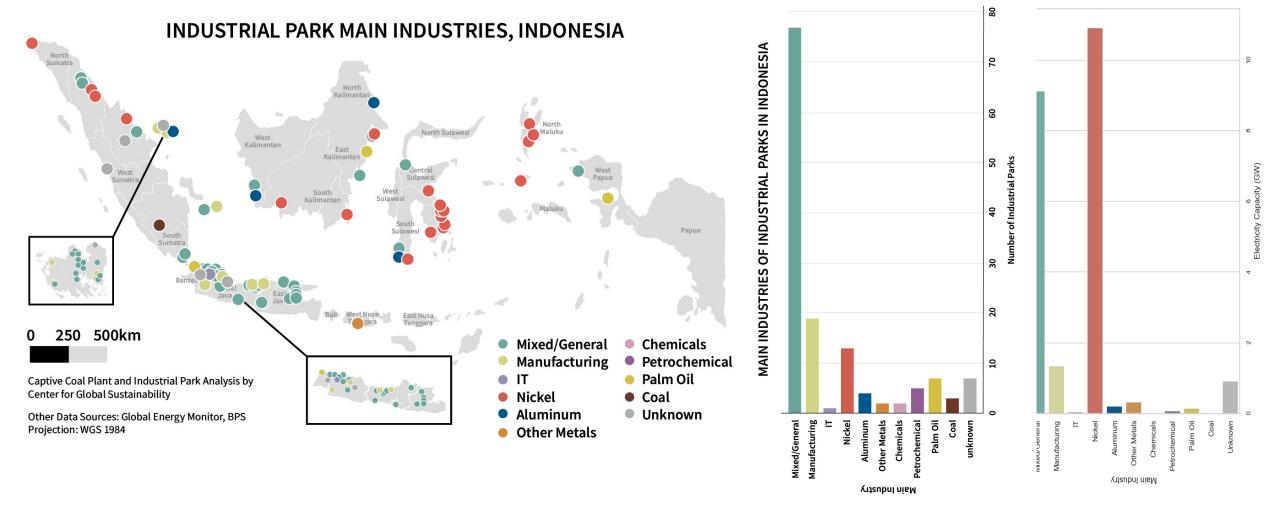
Figure 1. Timeline of the evolution of the Industrial park related policies.



Overview of Industrial parks

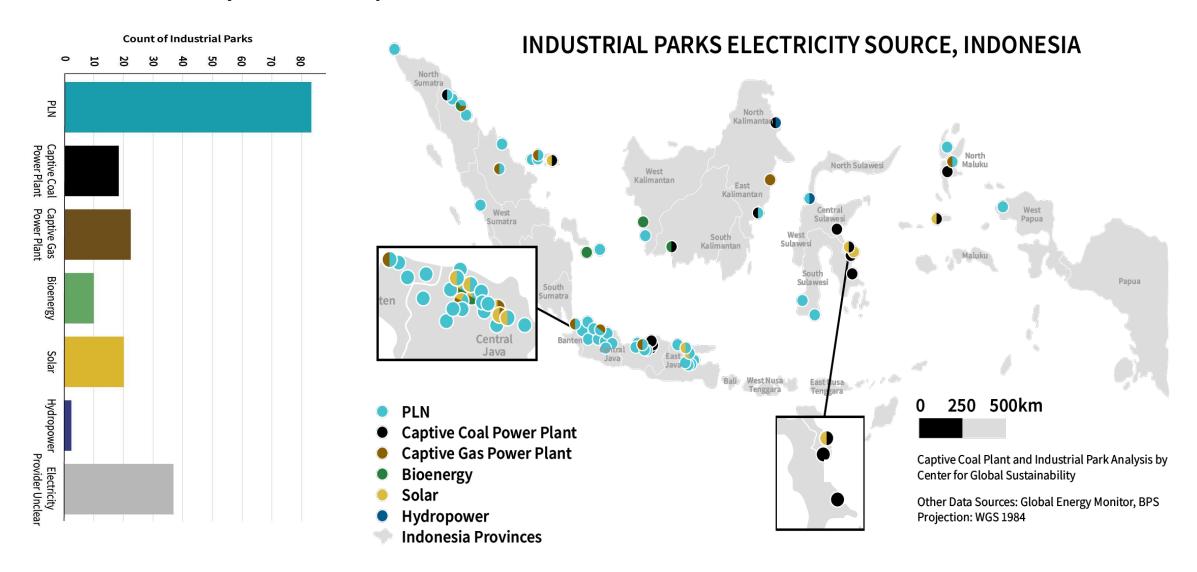




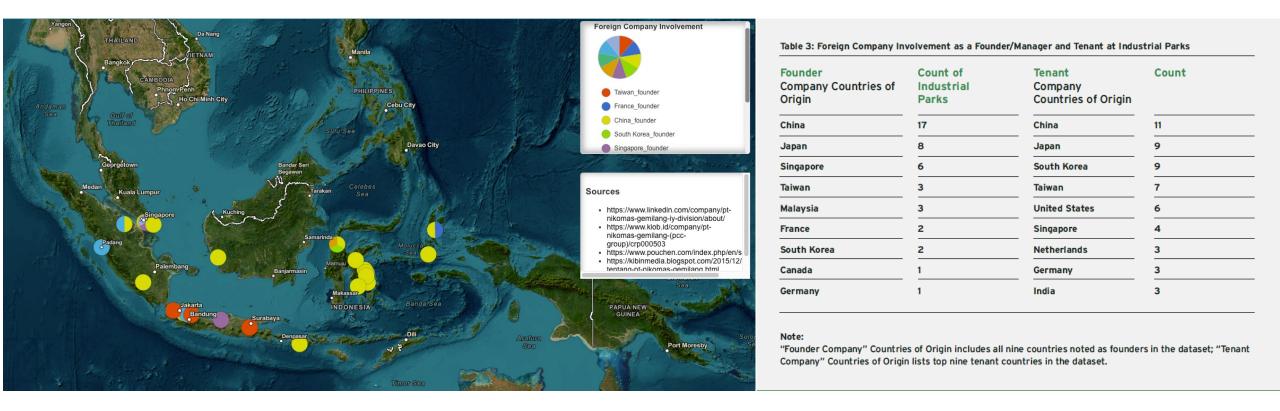


The 13 industrial parks focused on nickel processing have 10.91 GW of electricity capacity, almost half of the total 23.07 GW of electricity capacity accounted for in the dataset

Based on the 79 industrial parks with reported electricity capacity, industrial parks source 6.20 GW exclusively from PLN, and 6.85 GW exclusively from captive coal



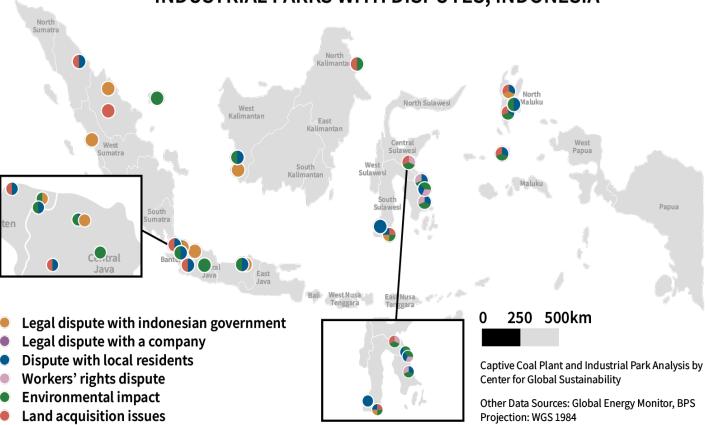
Foreign investment



- As Indonesia has prioritized downstreaming since 2014, Chinese investment has contributed to the development of a new wave of industrial parks focused on the processing of nickel, aluminum, and other key commodities
- Among the founders or managers, the most common country of origin is China, represented in 17 industrial parks, followed by Japan in eight industrial parks and Singapore at six industrial parks.
- Similarly, the most common tenant company countries of origin are China with 11 industrial parks, Japan and South Korea with nine industrial parks

The dataset also tracks the cost of quick, largescale industrial development, documenting 18 industrial parks with negative environmental impacts, 15 instances of disputes between industrial park companies and local residents, and 10 land acquisition disputes

INDUSTRIAL PARKS WITH DISPUTES, INDONESIA



Conclusion

- The Industrial Parks dataset provides a comprehensive overview of available information on areas deemed industrial parks, industrial zones, special economic zones, or other related development sites.
- The trends within the dataset should be understood within the greater context of Indonesia's industrial policies, economic growth goals, and recent decarbonization promises.
- While some aspects of industrial park development challenge environmental and energy goals, recent trends in renewable energy use provide an opportunity to lead in industrial decarbonization.
- We hope this dataset provides a window into the many challenges and opportunities Indonesia faces in its energy transition at both a local and national scale.



Thank you!

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