

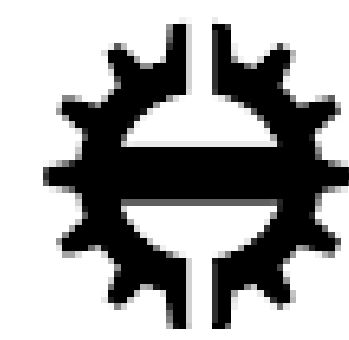


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Material Value Chains

Value capture in business ecosystems for municipal solid waste management: Comparison between two local environments

Peltola, Aarikka-Stenroos, Viana, Mäkinen (2016)
Journal of Cleaner Production, 137, 1270-1279.



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Waste business ecosystems in different locations

The study is a qualitative case study and shows the structure and process of value capture in the waste business ecosystem in two different environments, Finland and Sao Paulo metropolitan area, Brazil.

We identify the key stakeholders and their roles, as well as contrast the waste business ecosystem between a developing country (Brazil) and a developed country (Finland) to unveil differences in value networks.

Theoretically, this research builds on the business ecosystem literature, value capture and creation literature, and the extant literature on waste business management.

Results

The study maps two different ecosystems and their value creation and value capture mechanisms.

- The findings show that notwithstanding the strong role of regulators in both local environments and their business ecosystems, some private companies engage in value capture.
- The process and structure of the value capture differ in the two case studies.
- The stakeholders and their roles in the value capture structure and process vary between these two local environments and with regard to collaboration for value creation. In Finland, ecosystem-level value creation is not rare, but in

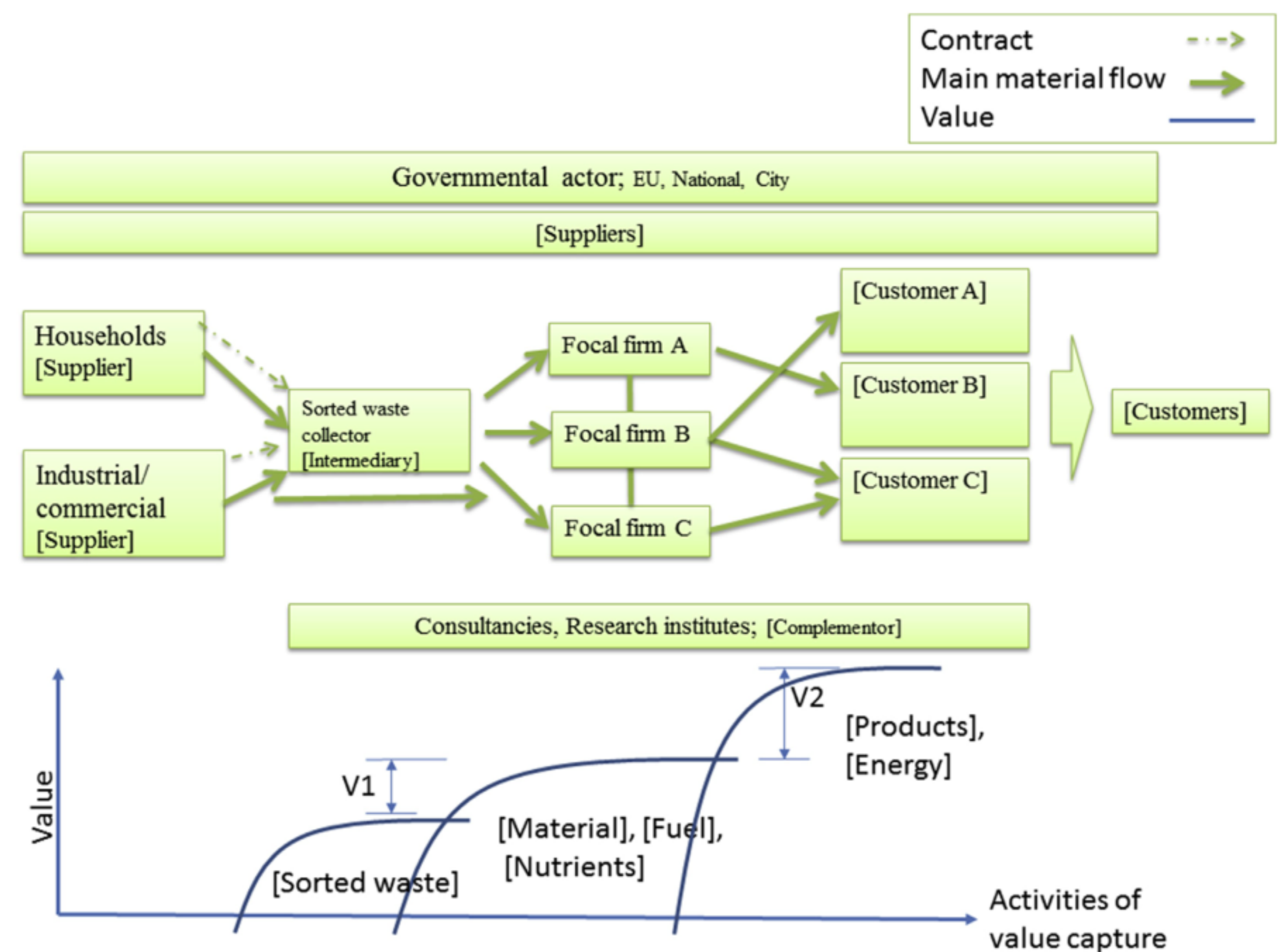


Fig. 1. Value capture in the waste business ecosystem in Finland: actors, structure, and process.

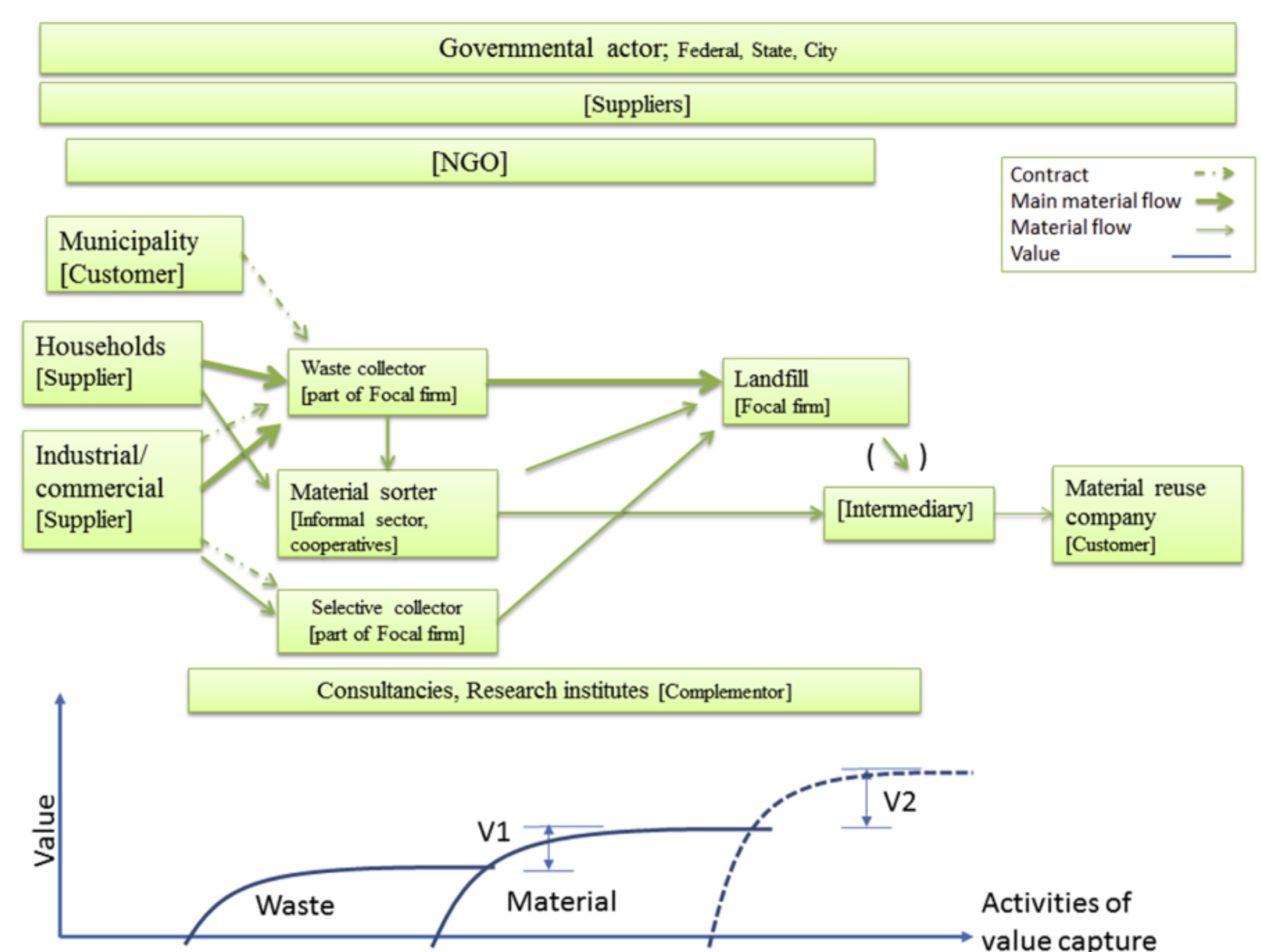


Fig. 2. Value capture in the waste business ecosystem in Sao Paulo, Brazil: actors, structure, and process.



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