

Challenges to map commodity supply chain at detailed level

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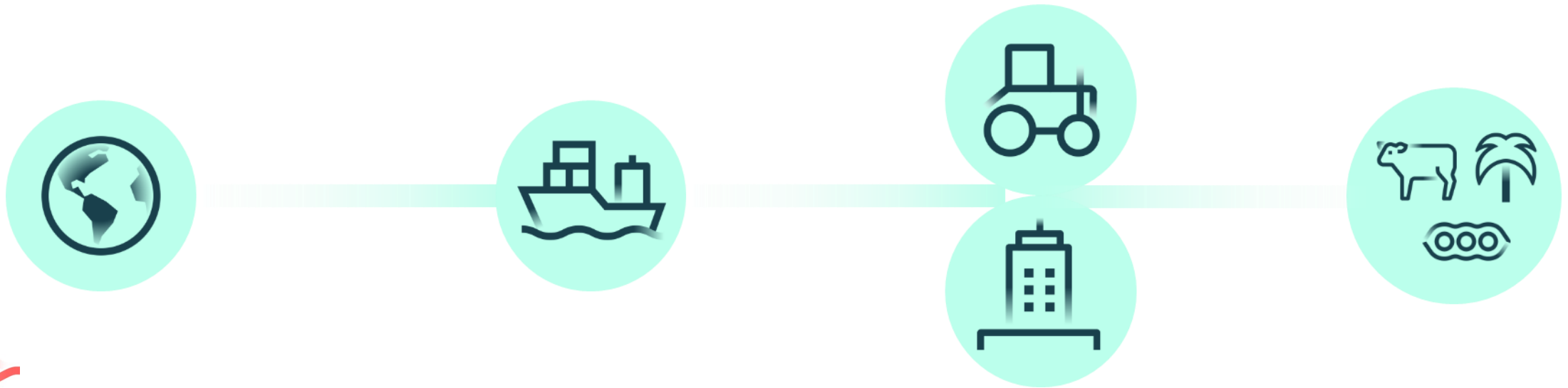
Agenda

- Trase subnational supply chain mapping;
- Where do actors buy from?
- Assessing risk for storage facilities;
- Why mapping risk at asset level for field engagement?



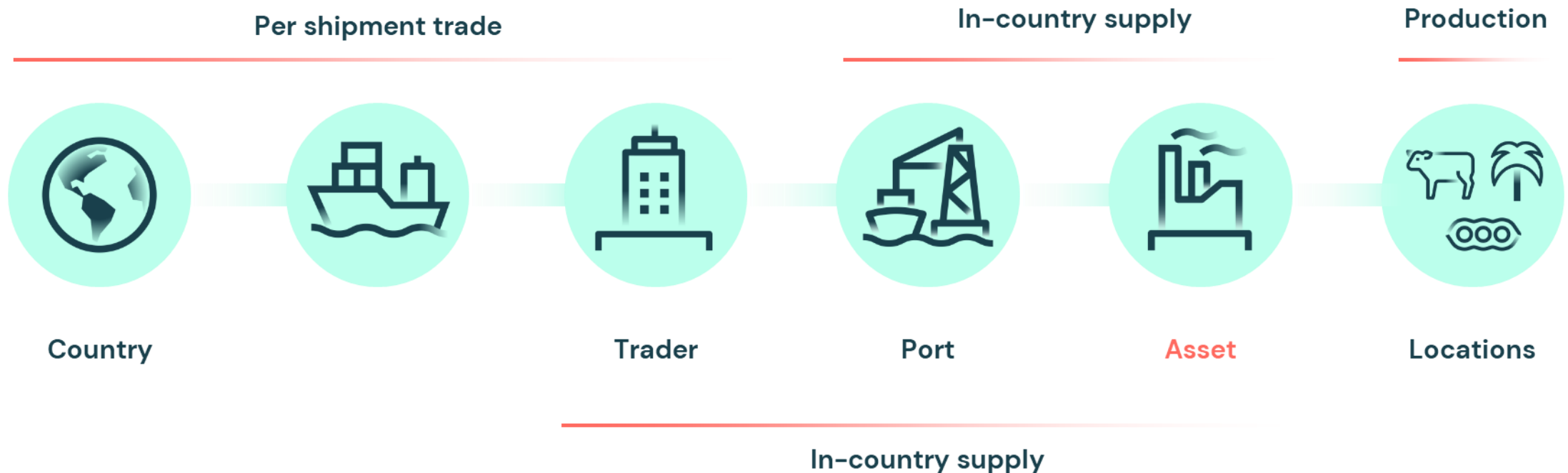
Trase supply chain mapping

- Trase offers the **highest level of spatial detail** connection companies with producing countries at the most detailed jurisdictional level;
- Based on a method that allows for the **spatially explicit mapping** of international trade linking localities (e.g. **municipalities**) to countries of destination;



Supply chain mapping approach

Goal: the supply chain must represent the entire market for any country/exported commodity, i.e. **all actors, producing locations**

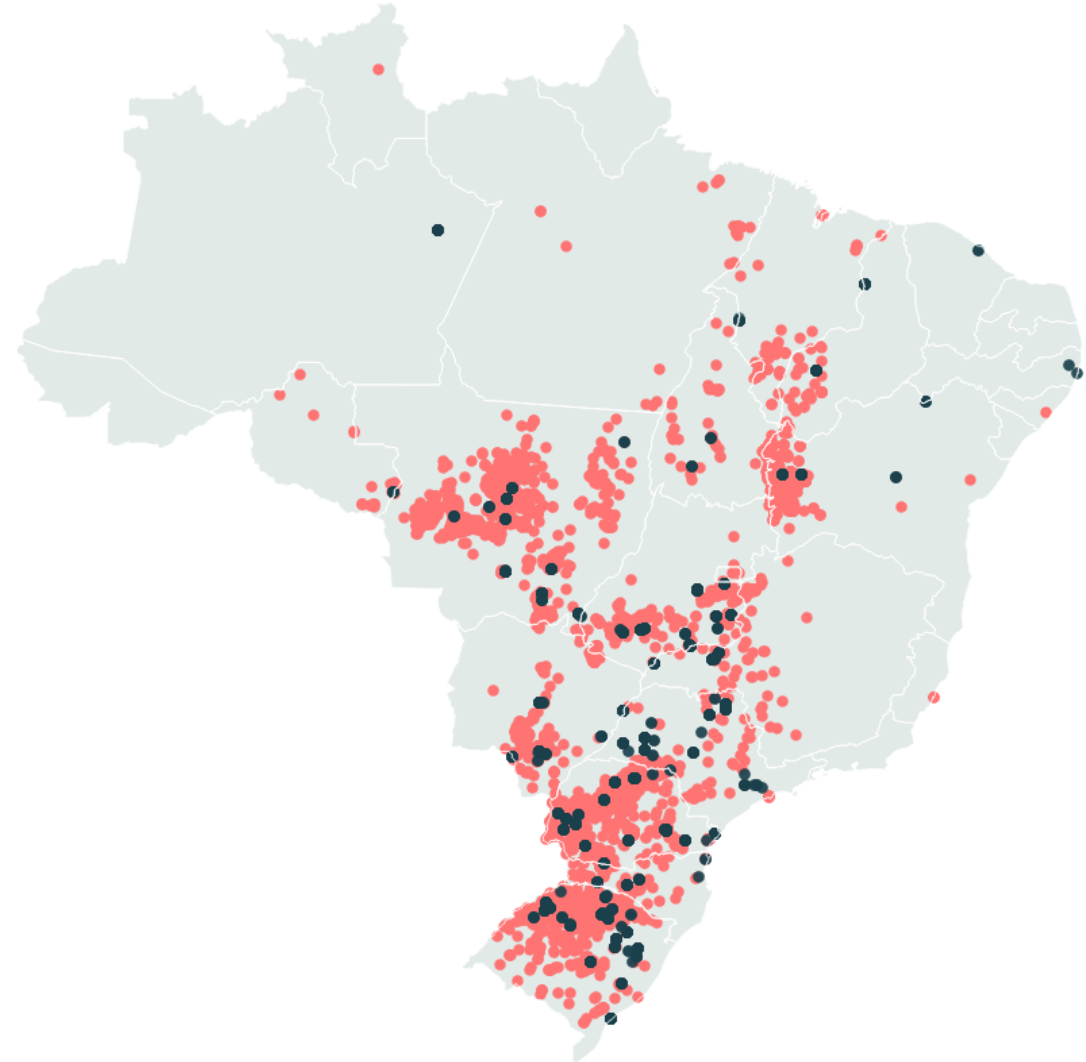


In-country asset information

An **asset** is a physical or material resource that relates to the **production**, **storage** or **processing** of a commodity

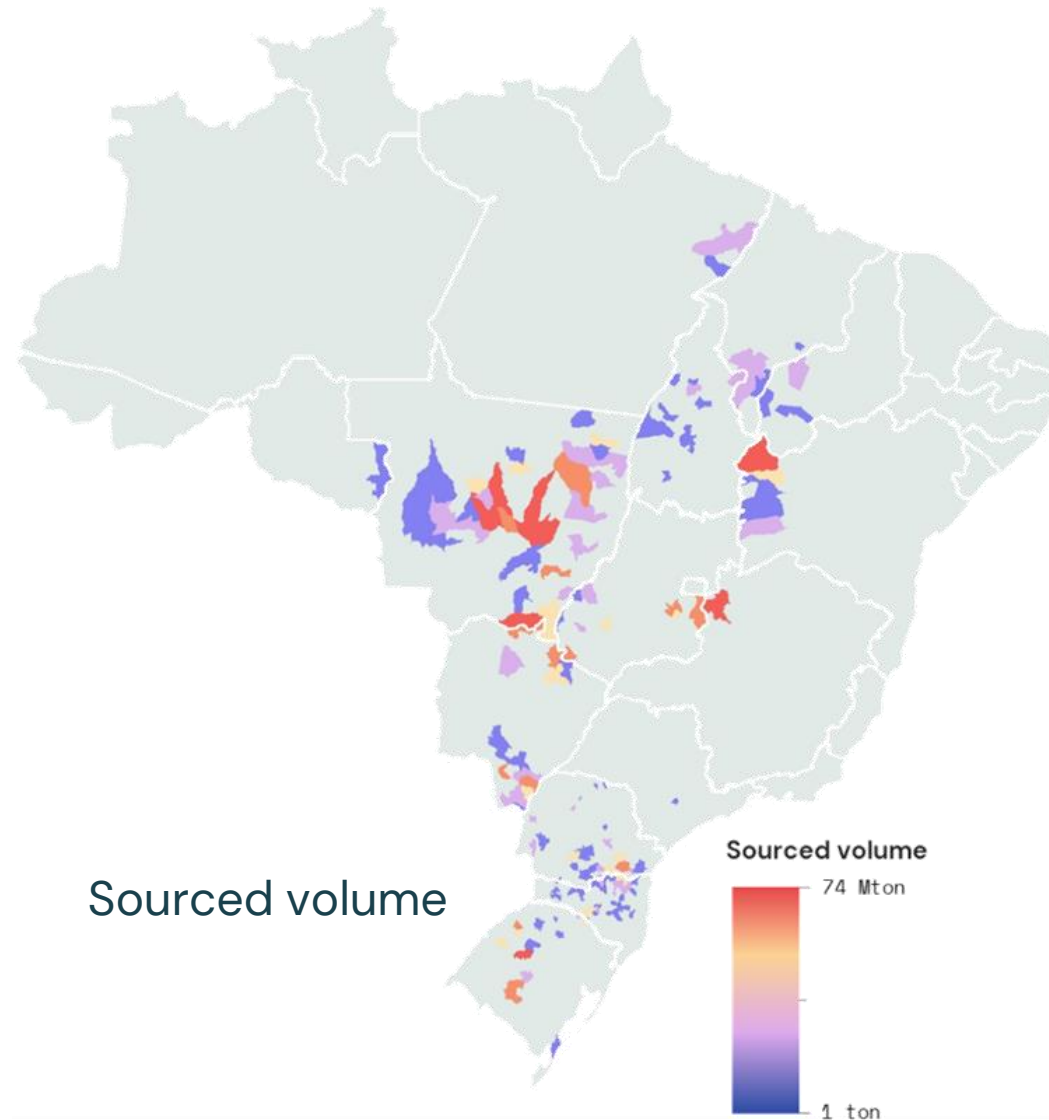
Brazilian Soy

- Silos
- Crushing facilities
- Refining facilities



Where do actors buy from?

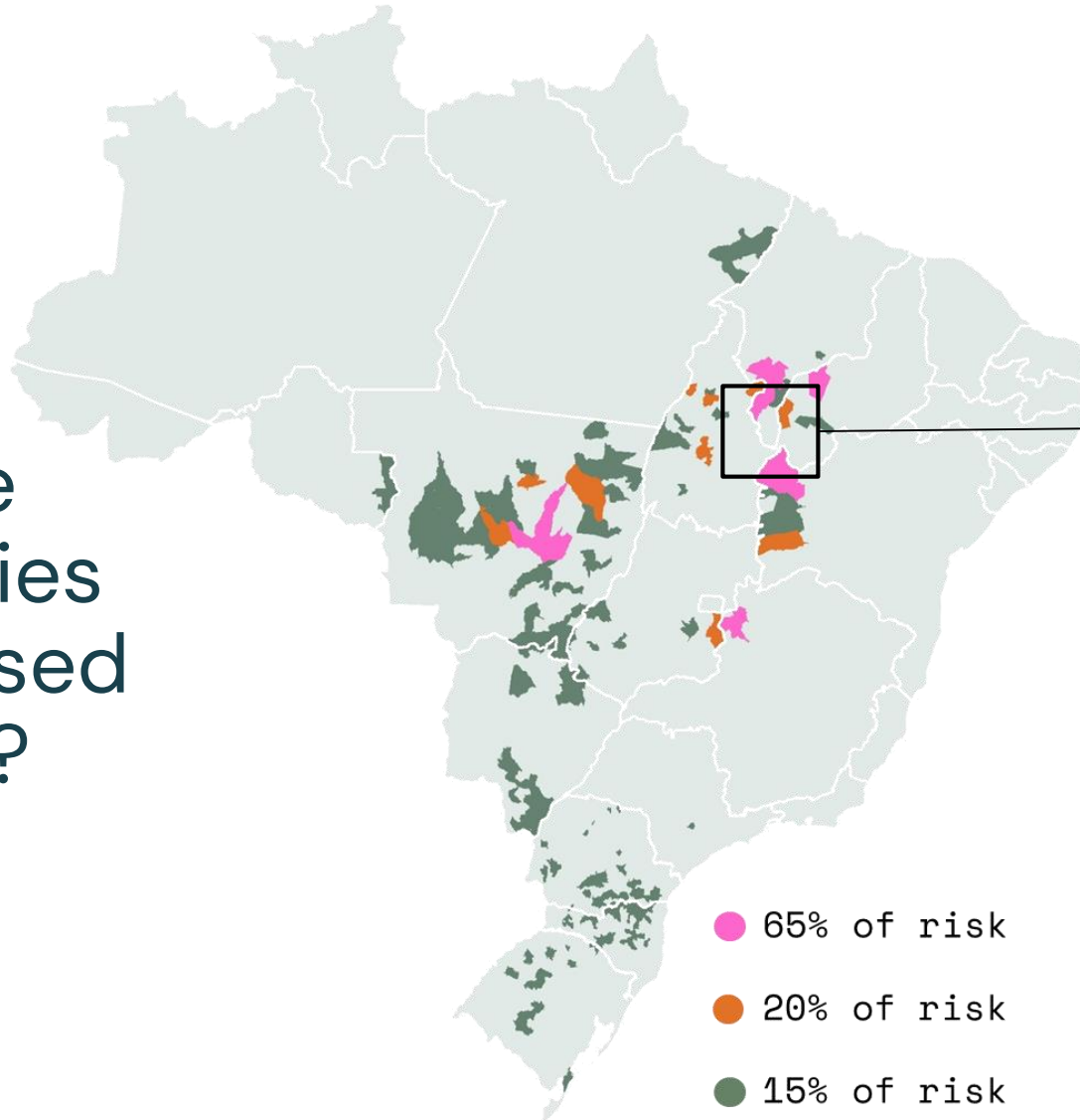
Eg. of a soy trader – 2018



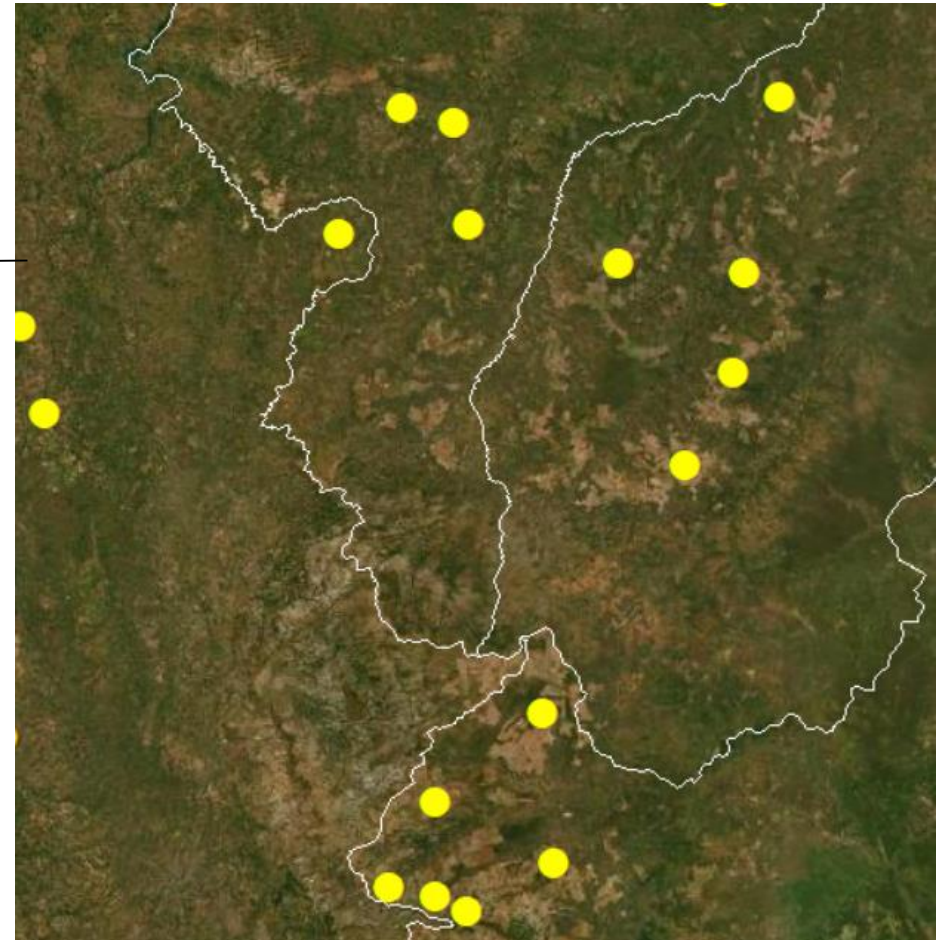
Assessing risk for storage facilities

Company deforestation risk

Where
companies
are exposed
to risk?

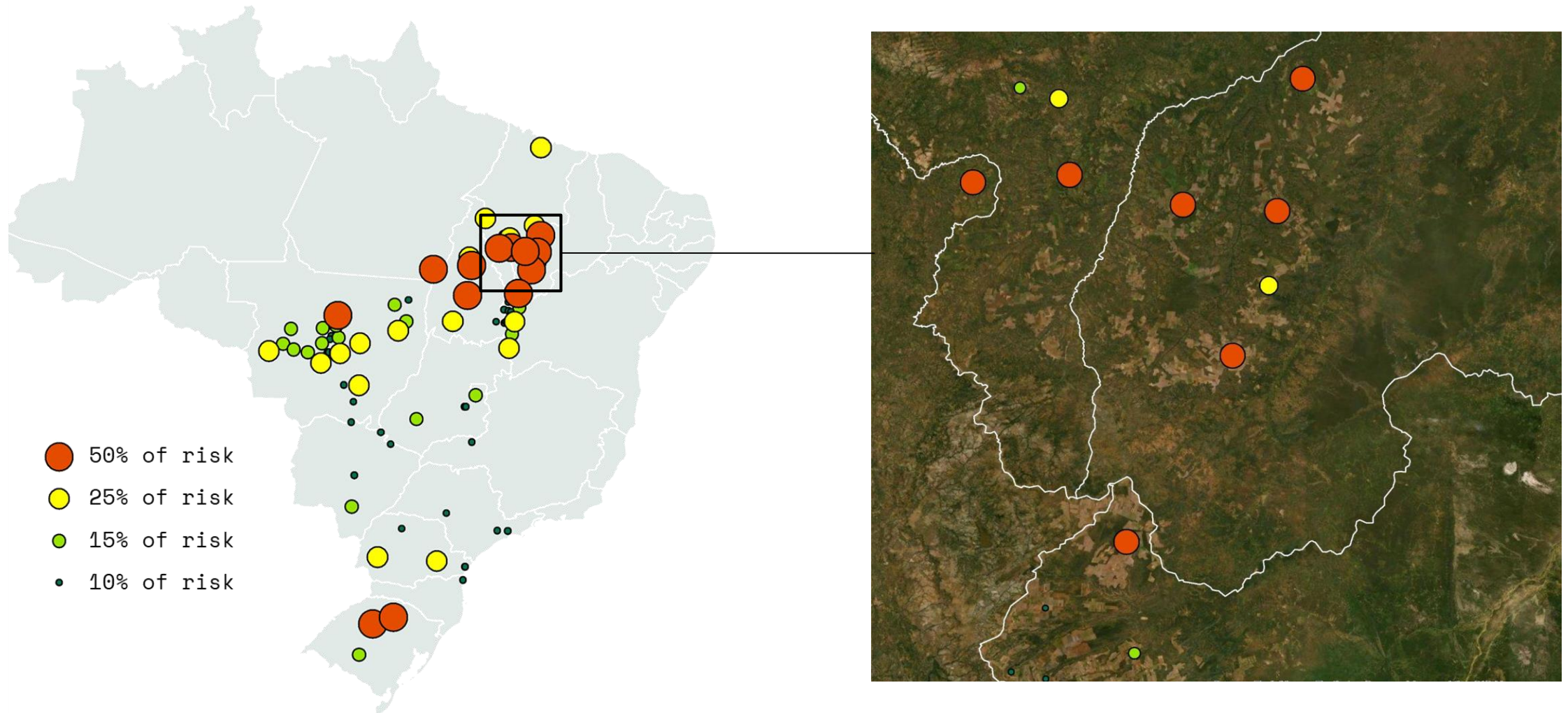


Example of company assets in Matopiba



Assessing risk for storage facilities

Hypothetical example of risk classification by assets of a given company



Why mapping risk at asset level for field engagement?

- The assets (eg.: silos, crushers, slaughterhouses) are the closest “identifiable” connection to areas of production;
- Intermediate actors in the supply chain can improve monitoring and demand more transparency from supplies;
- More granularity for risk assessment;
- So far, asset level risk classification is the closest we can get from production areas for mapping deforestation risk in the supply chain;



Thank you

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