




North American Border Crossing Database

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Goal

- ① Develop a comprehensive and consistent database on activity levels and performance measures at all commercial highway ports of entry (POEs) along the US-Mexico and US-Canada borders and at key infrastructural elements in the trade corridors that lead to them



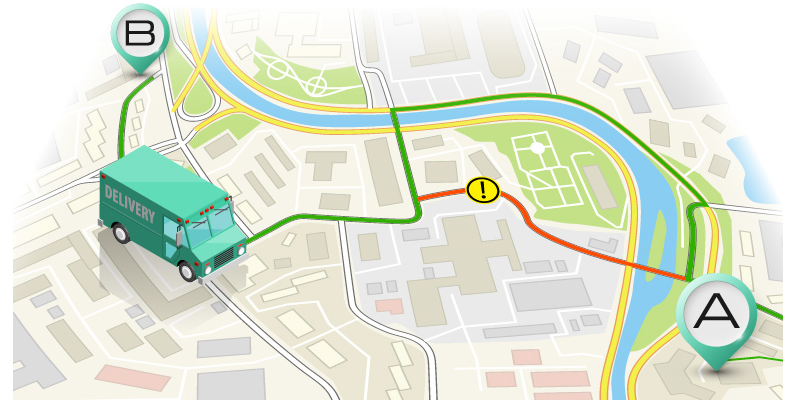
Need for a database

- ◎ Trucks arriving at the borders face unpredictable processing and traffic delays
- ◎ Frictions reduce price-competitiveness, inhibit job creation, and hinder productivity growth
- ◎ Covid-19 crisis has reinforced the interdependency of the three economies

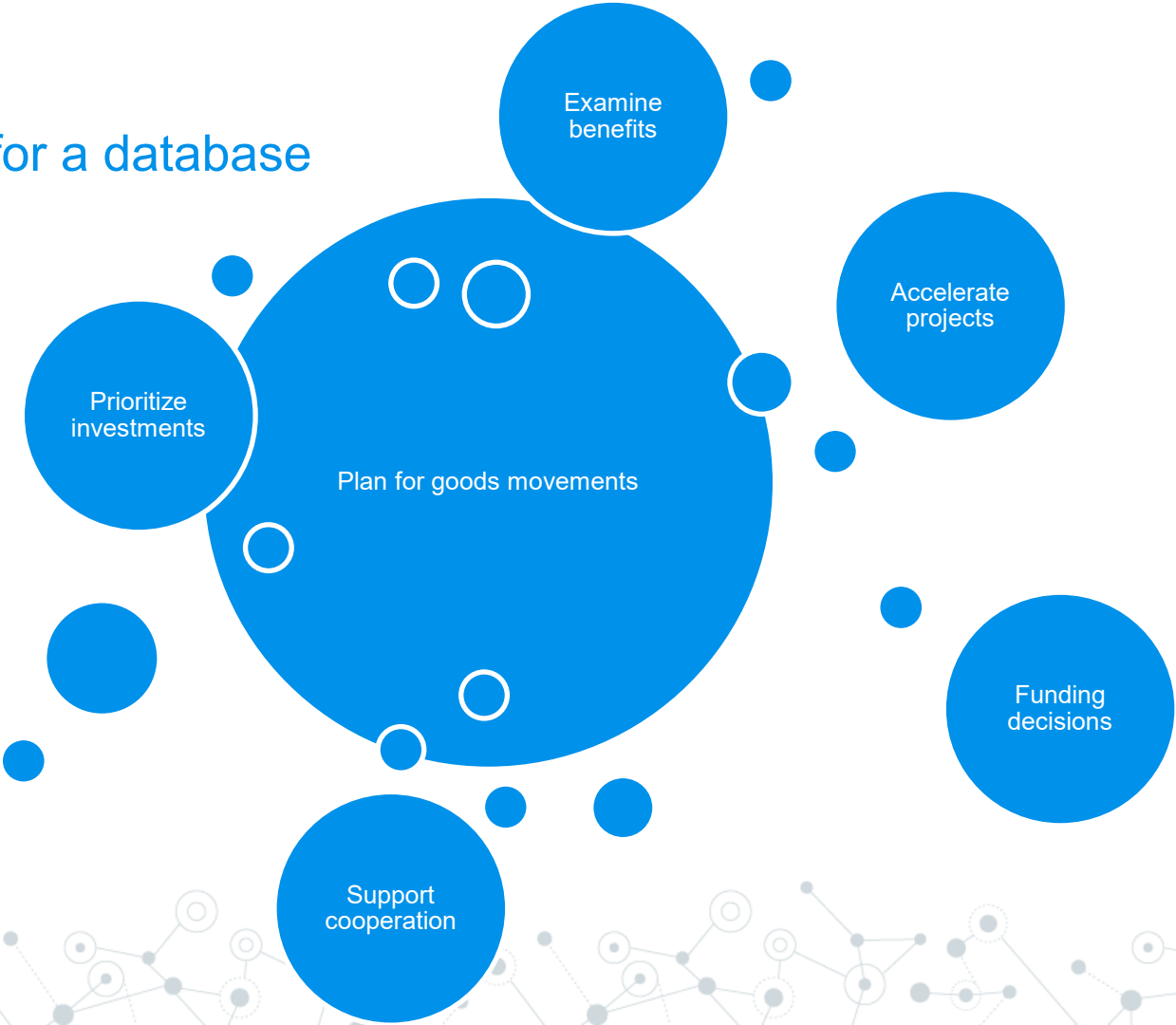


Need for a database

- ◎ Problem requires coordinated effort by governments in all three countries (and affected business groups)
- ◎ Common base of information is needed to help them cooperate effectively
- ◎ Requires analytics including predictions of flows and delays under future scenarios and assessments of the economic impacts of border performance



Need for a database



Untapped potential

- × Wait time data at individual POEs not archived, organized, or transformed into useful indicators
- × Trade data inconsistent in terms of sectoral detail, spatial and temporal characteristics.
- × Inconsistent data and availability at sub-national and non-government enterprises (e.g., infrastructure owners)
- × GPS transponder data have potential but require advanced analytics to develop useful information

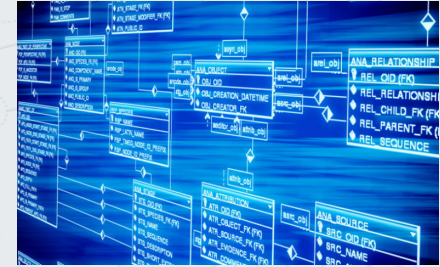
Phase 1

- Assemble readily available data
- Calculate comparative and trend indicators
- Develop preliminary dashboard (GUI)



Phase 2

- Develop comprehensive database including consistent information for all POEs
- Methods to harmonize and transform datasets
- Predefined and user-defined indices



Phase 3

- Advanced analytics incorporating non-conventional data
- Predictive models
- Economic impacts of forecasts and scenarios



Research Team



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