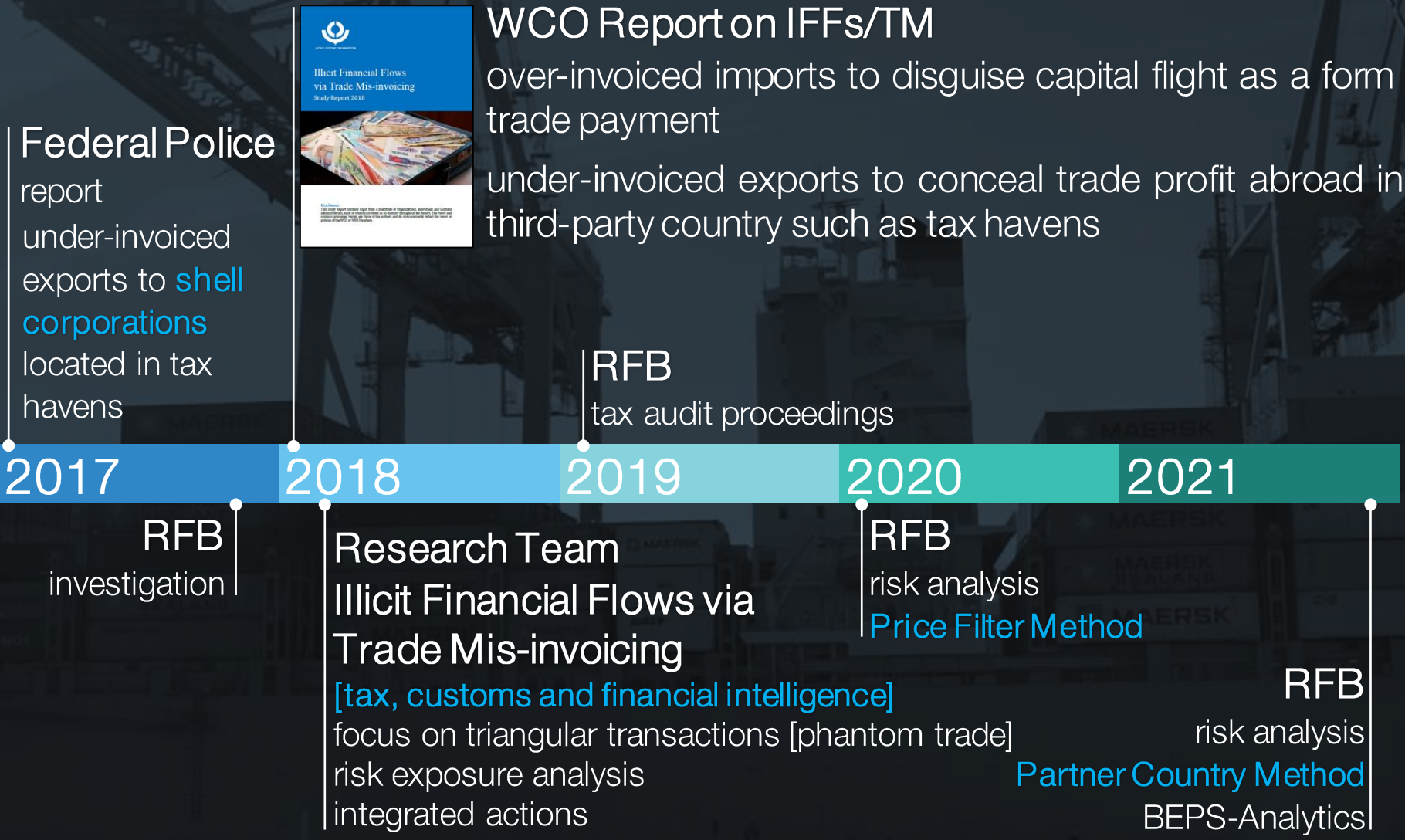


phantom trade

statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



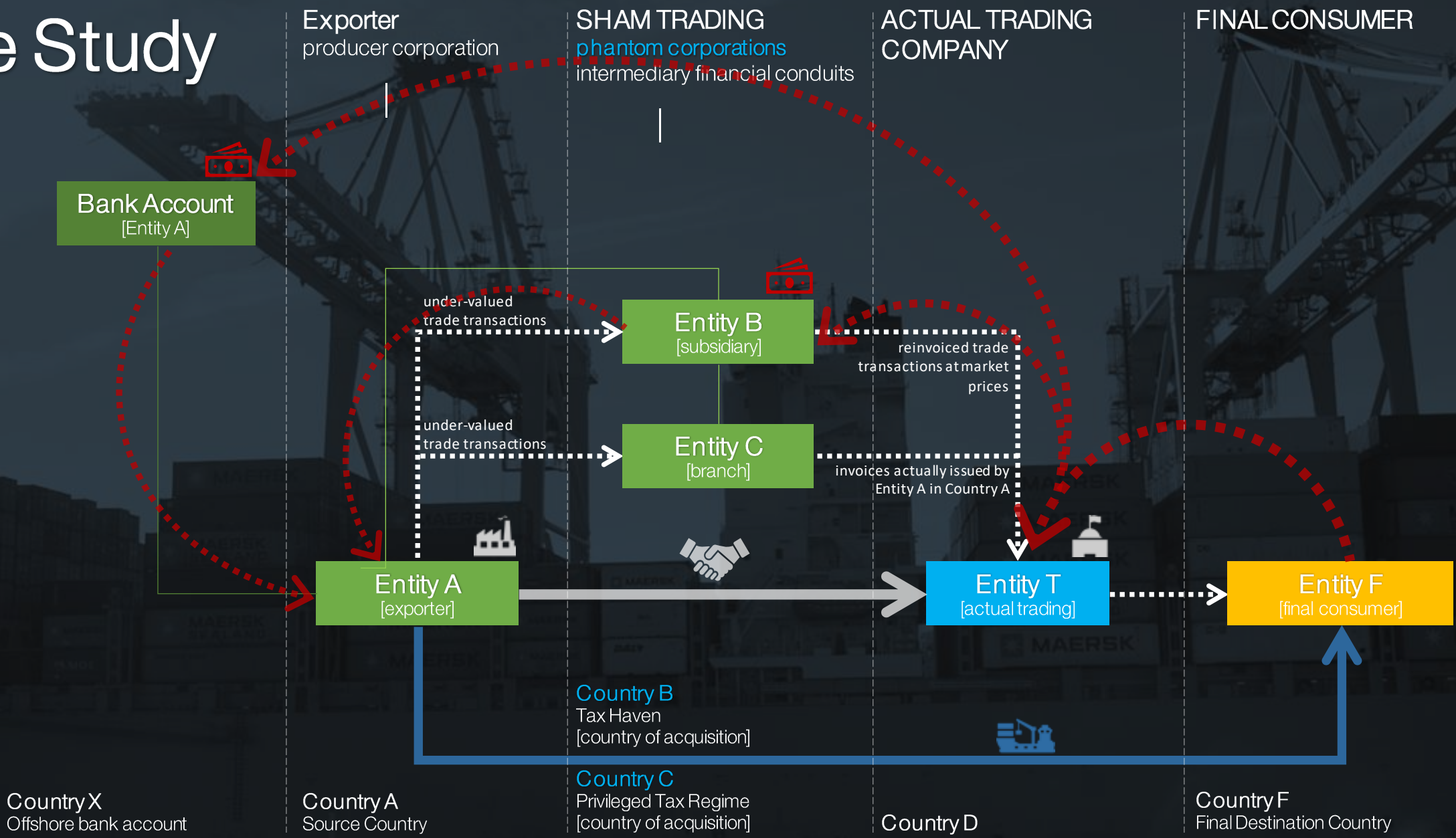
Background



statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



Case Study



statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



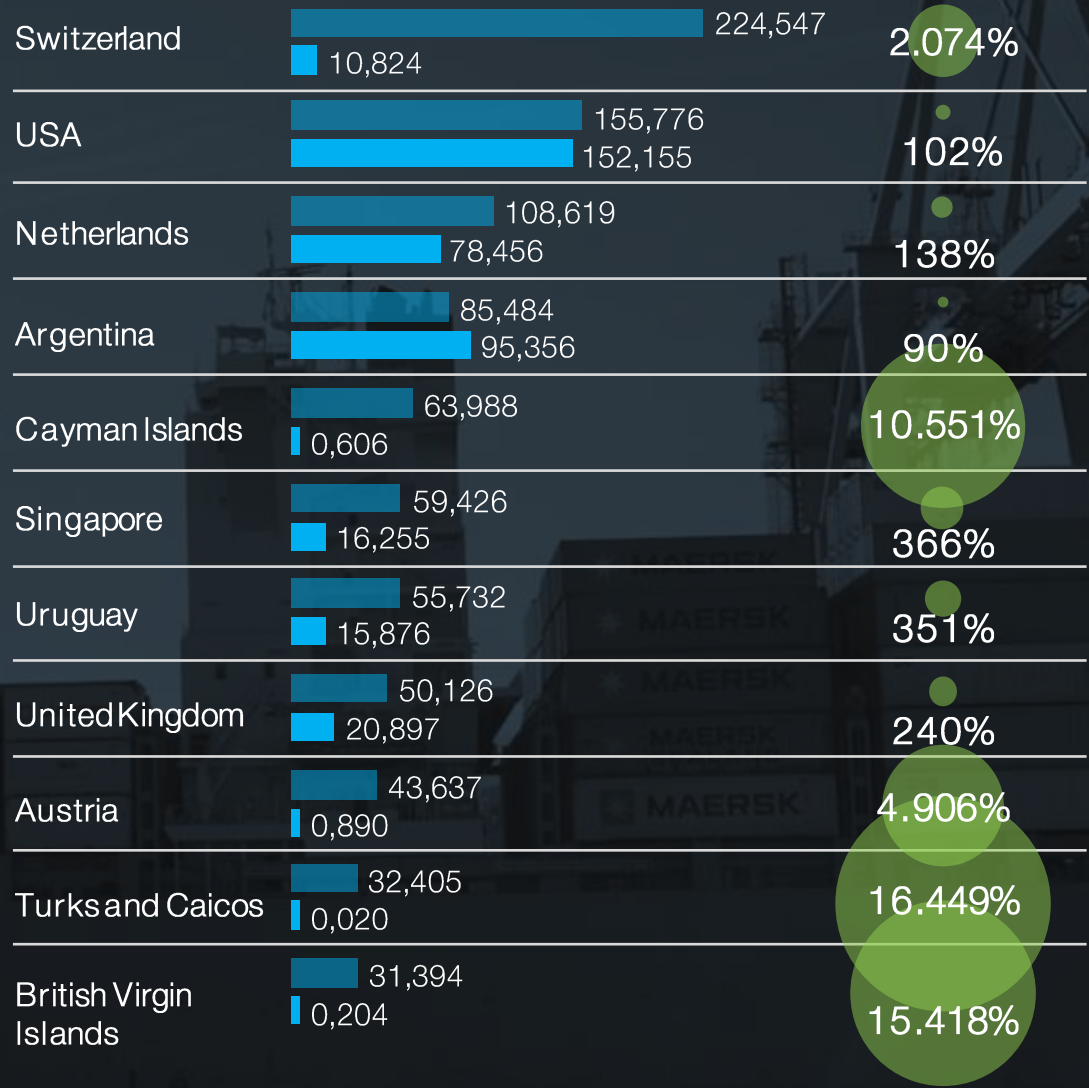
Risk exposure analysis

[transaction-level trade data]

Brazil [2017]
risk exposure to IFF/TM



Brasil [2017]
risk exposure to IFF/TM

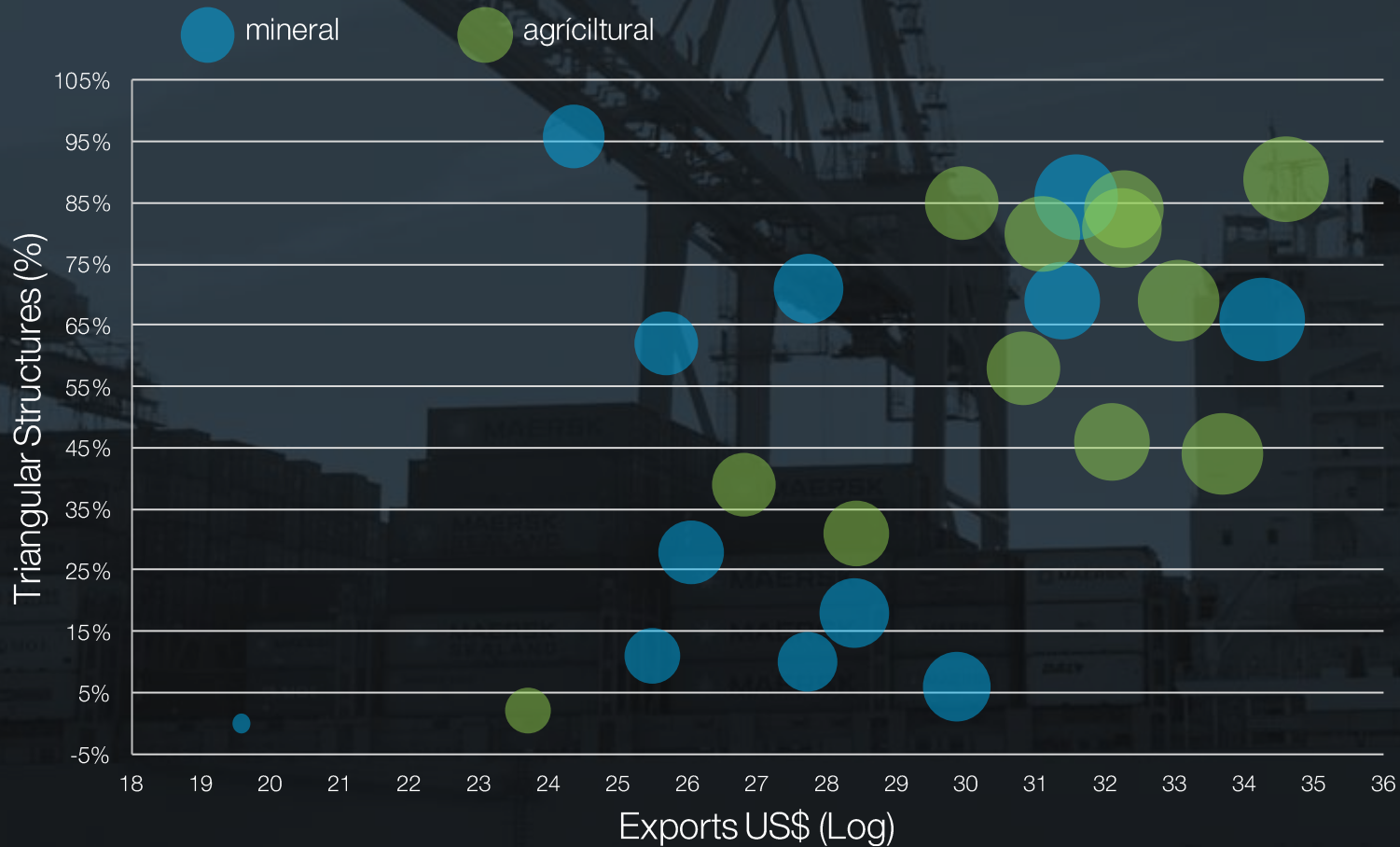


■ financial flow
■ goods flow
[in billions of USD]

statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



Risk exposure analysis [commodity]

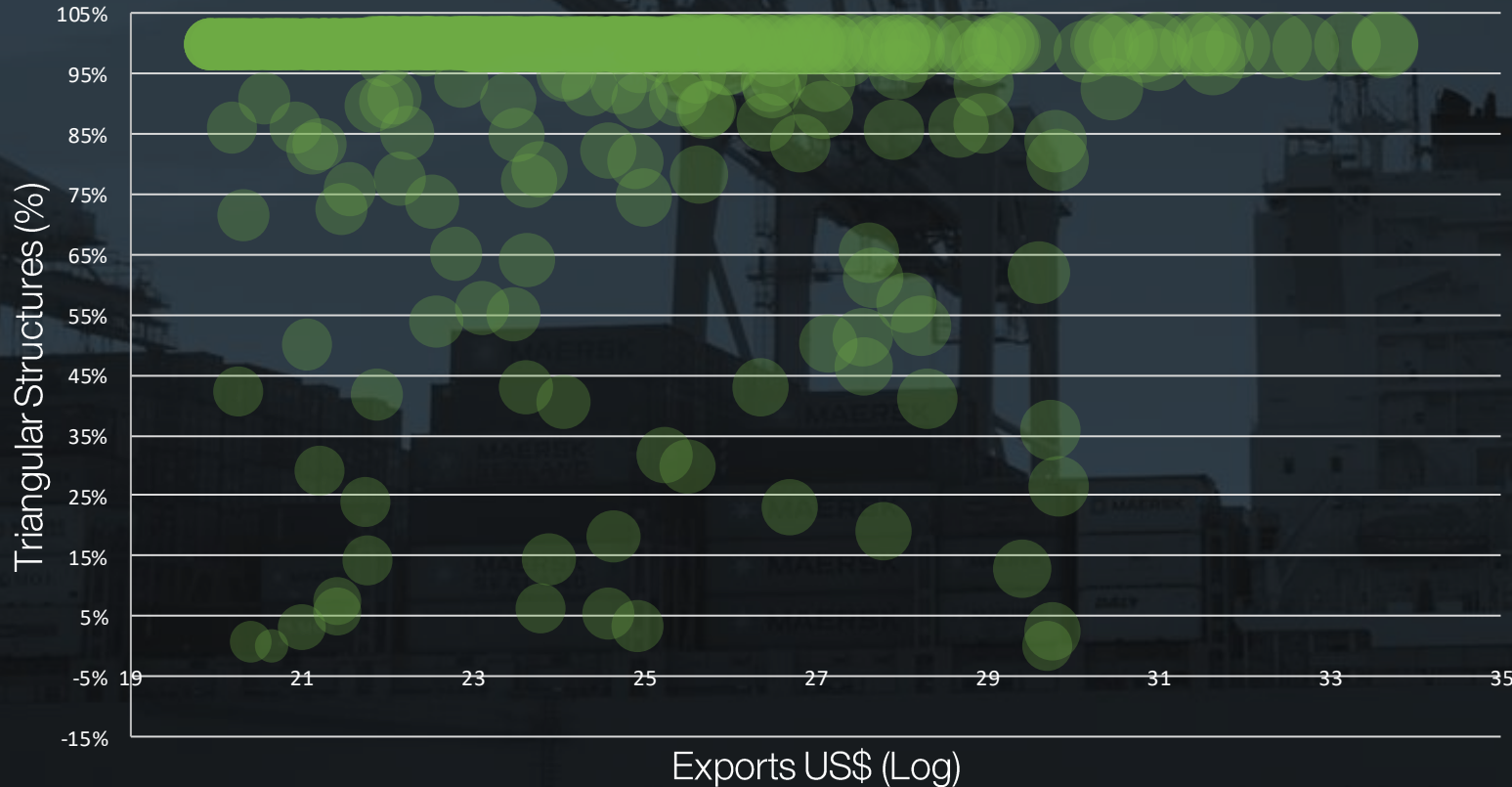


statistical methodology to estimate BEPS-related financial flows
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Risk exposure analysis

[exporter]



Database
transaction-level trade data
[Customs Bureau]

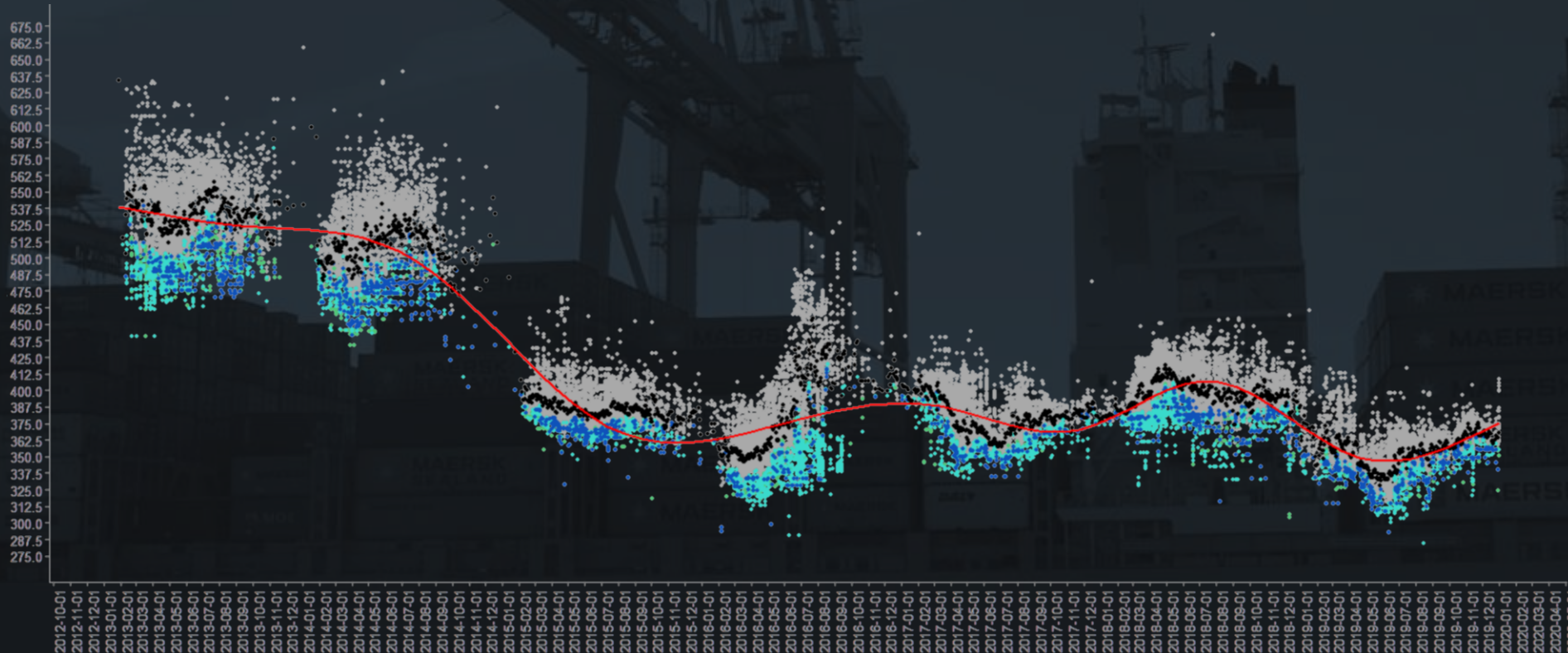
Risk exposure analysis
[export/import transactions]
By commodity
By exporter/importer
By country of destination/origin
By country of acquisition/sale
By intermediary entity located in low-tax jurisdictions

statistical methodology to estimate BEPS-related financial flows
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Price Filter Method

[weighted moving average price including a benchmark upper and lower bound prices set at $\pm 1\sigma$]



Database

transaction-level trade data
[Customs Bureau]

Price Filter

The price filters may be constructed from observable market prices or may be statistically estimated using transaction-level trade data.

Price anomalies

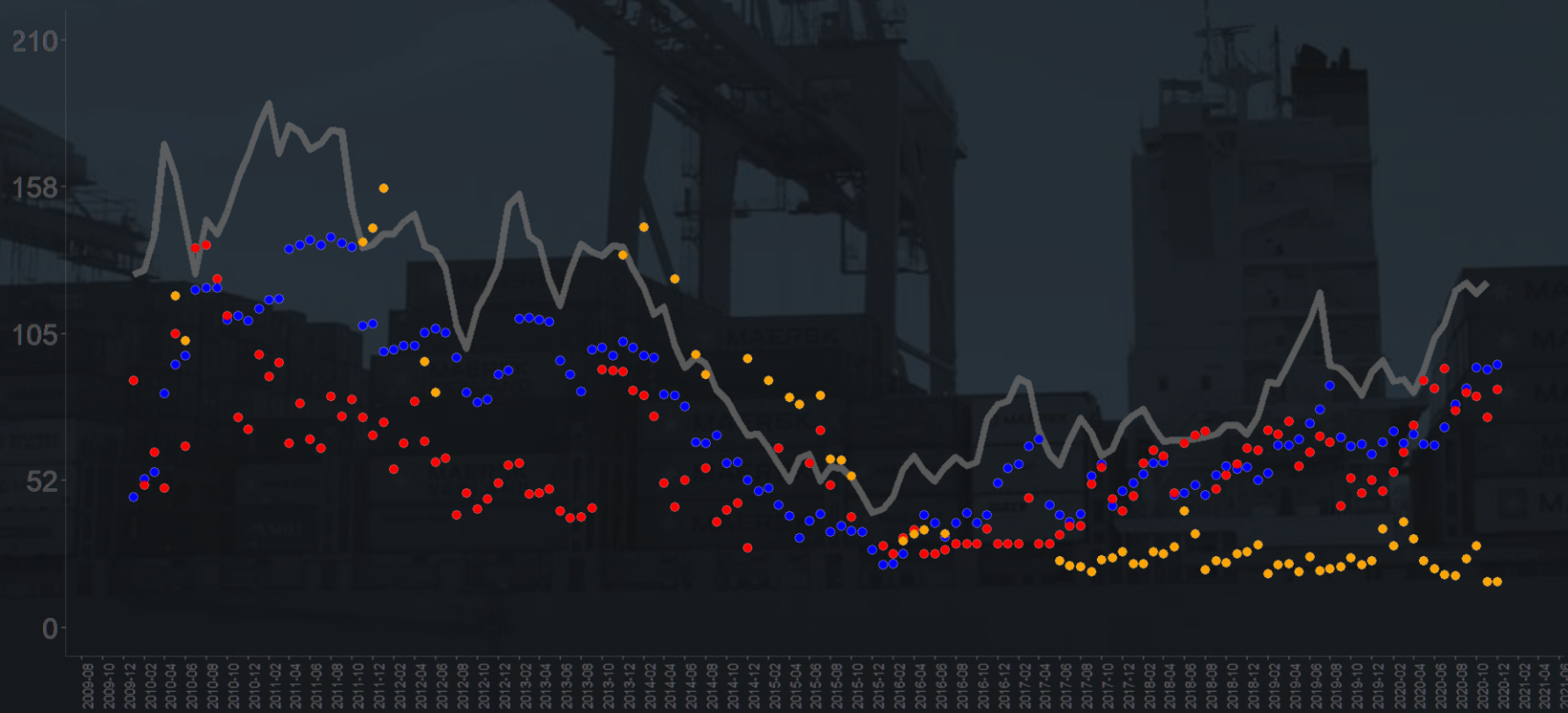
import overinvoicing or export underinvoicing.

statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



Partner Country Method

[monthly average export prices vs trade value as reported by the importing countries]



Database

transaction-level trade data
[Customs Bureau]
[IMF Primary Commodity Prices]
[UN COMTRADE]

Trade Gap

[mirror data analysis]

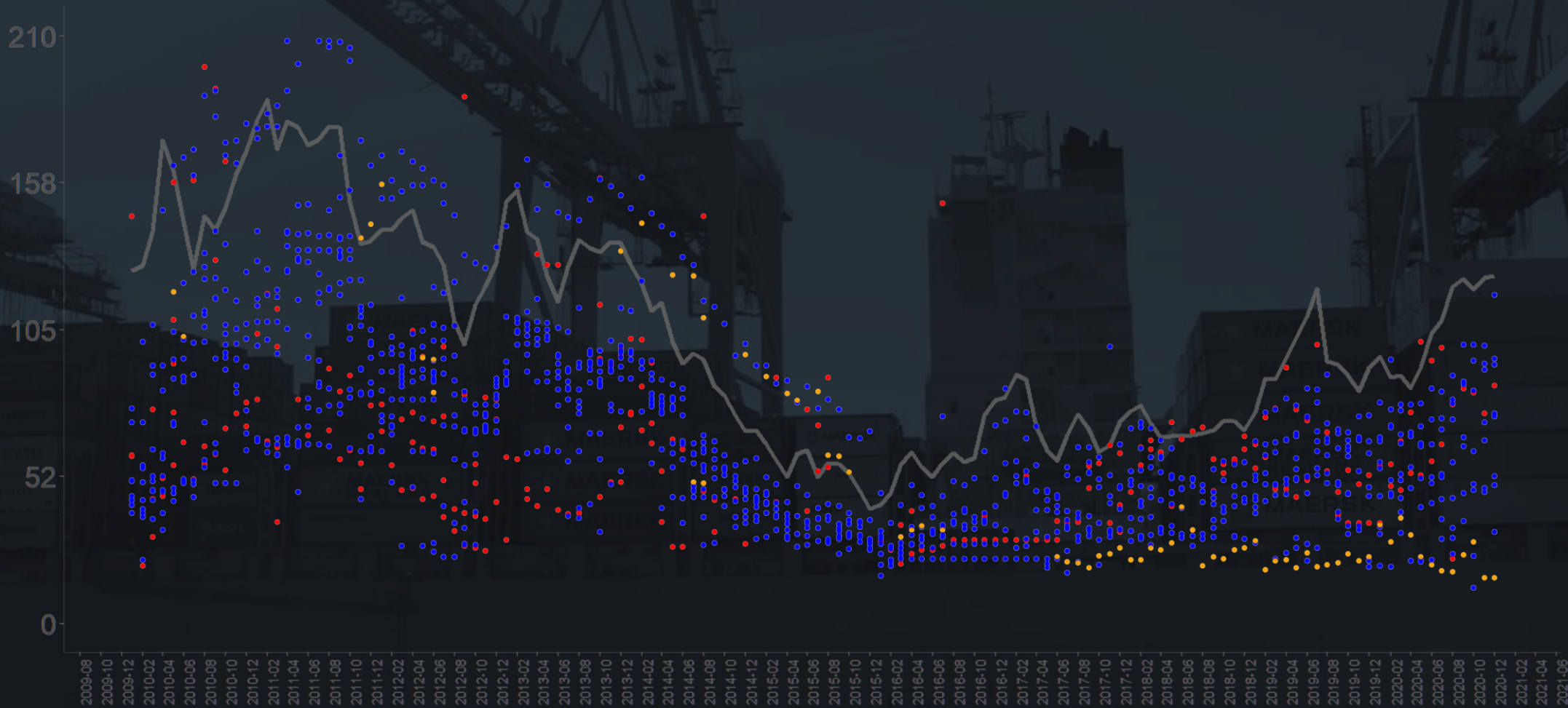
measures discrepancies in bilateral trade records between trade partners.

trade gaps or potential under-invoiced export transactions between Brazil and trade partners.

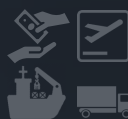
statistical methodology to estimate BEPS-related financial flows or tax-related illicit financial flows channeled via phantom trade



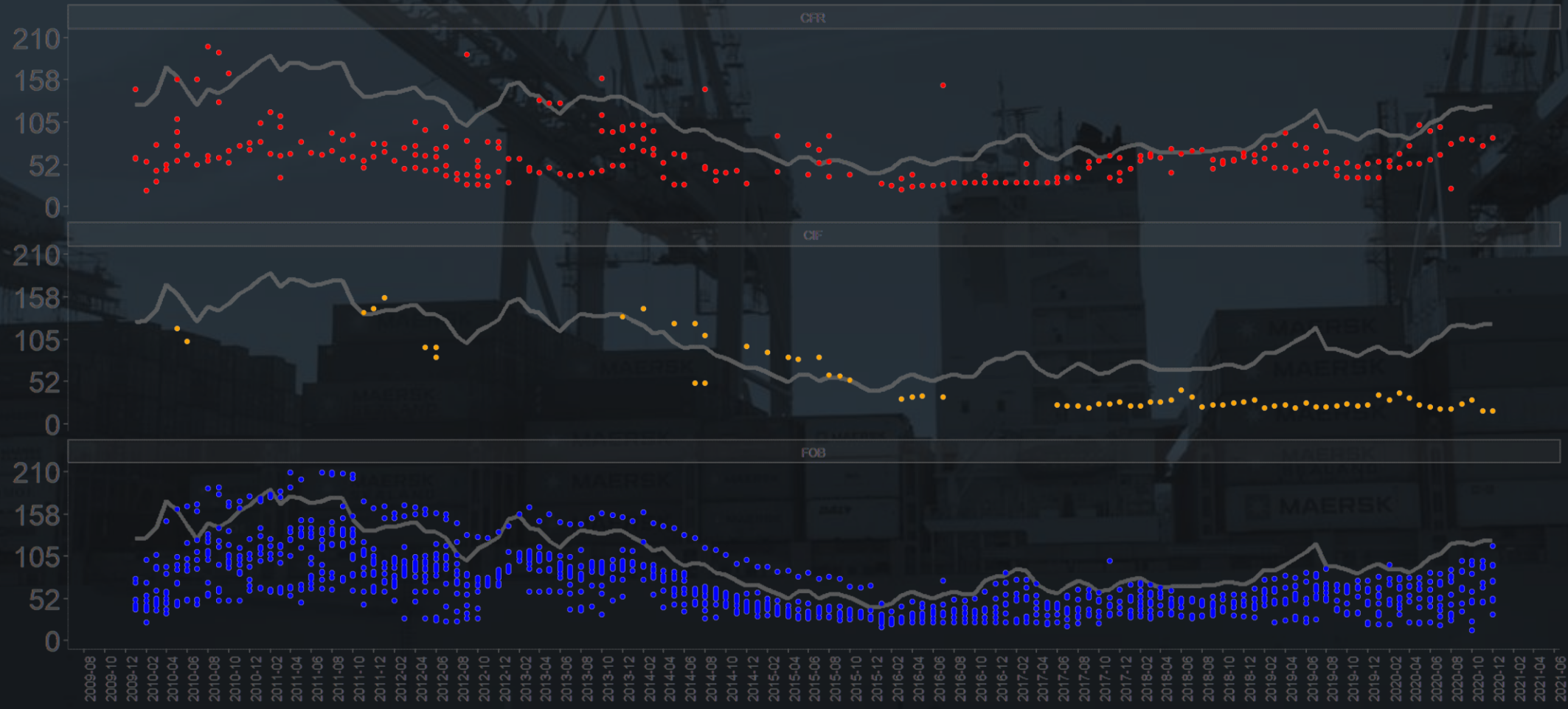
Partner Country Method [exporter]



statistical methodology to estimate BEPS-related financial flows
or tax-related illicit financial flows channeled via phantom trade



Partner Country Method [exporter vs. incoterm]



statistical methodology to estimate BEPS-related financial flows
or tax-related illicit financial flows channeled via phantom trade



BEPS Analytics

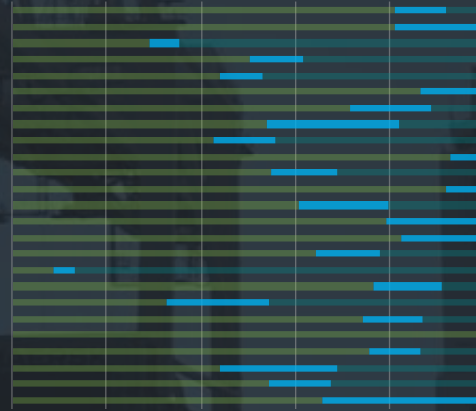
[risk assessment tool + tax gap analysis]

risk exposure analysis
[commodity, exporter, financial intermediary]

mineral and agricultural commodities



exporter A – by country



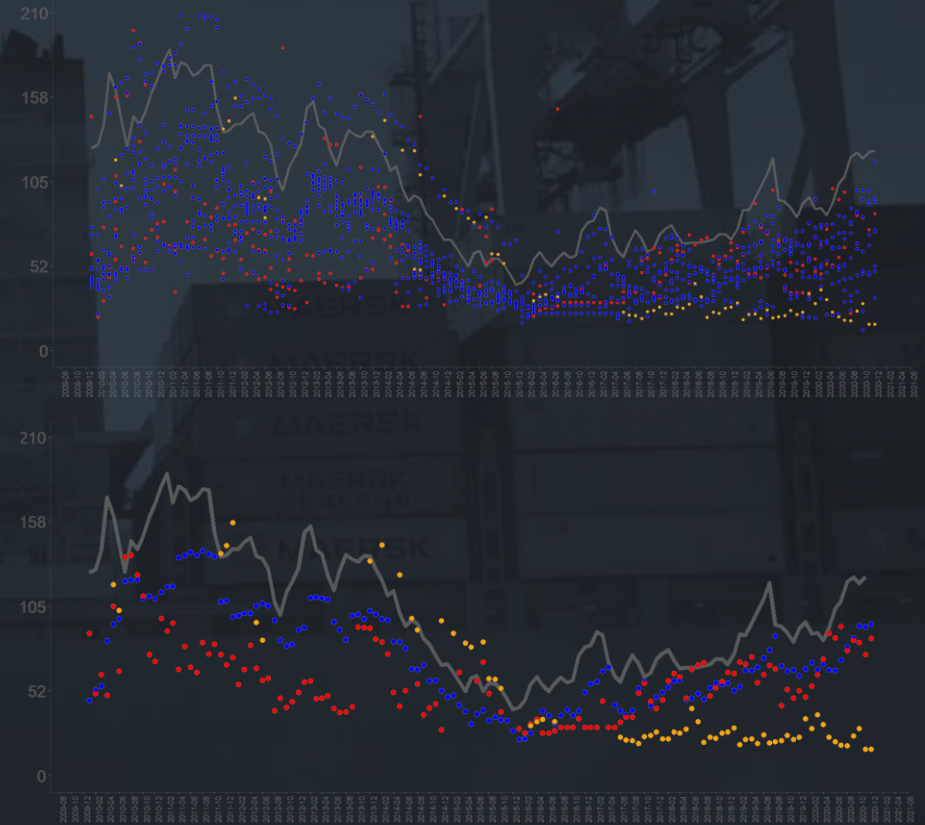
commodity 1 – by exporter



commodity 2 – by exporter



price analysis: PFM + PCM
[commodity, exporter, financial intermediary]



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Thank you for your attention!

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16.02.2021

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