

27/11/2025

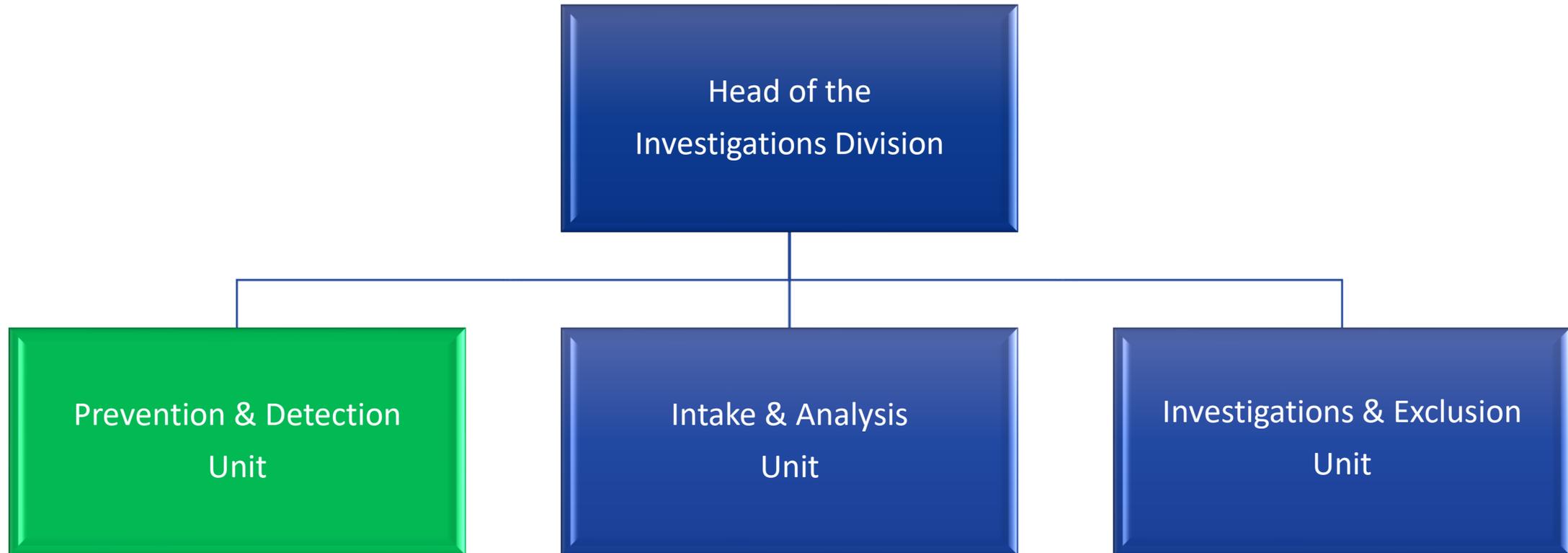


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Investment Bank

# Re-use case: Leveraging TED data to detect fraud risks

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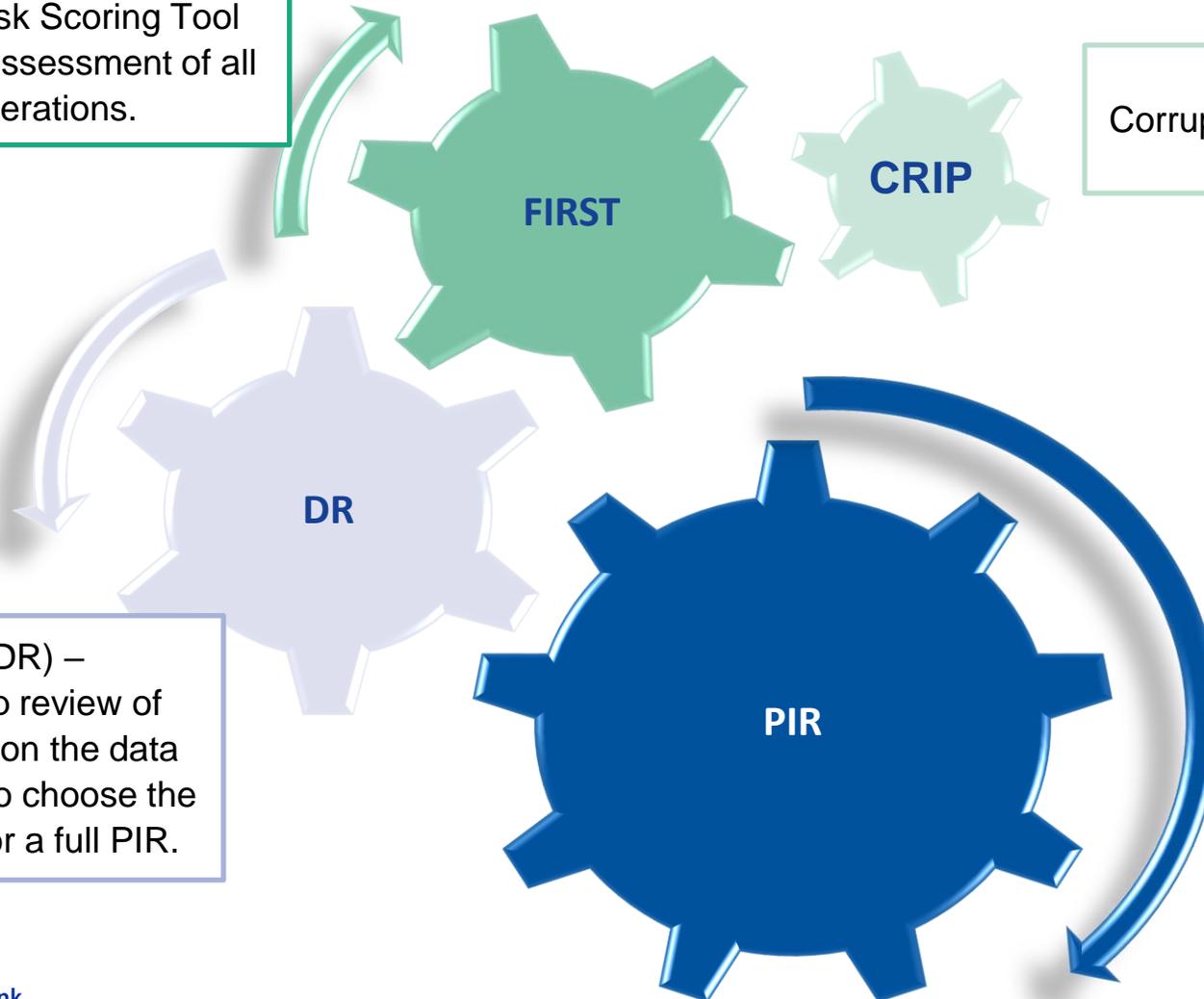
# Investigations Division (IN) structure



# FRAUD DETECTION PROCESS: an overview

Fraud & Integrity Risk Scoring Tool (FIRST): automatic assessment of all EIB active operations.

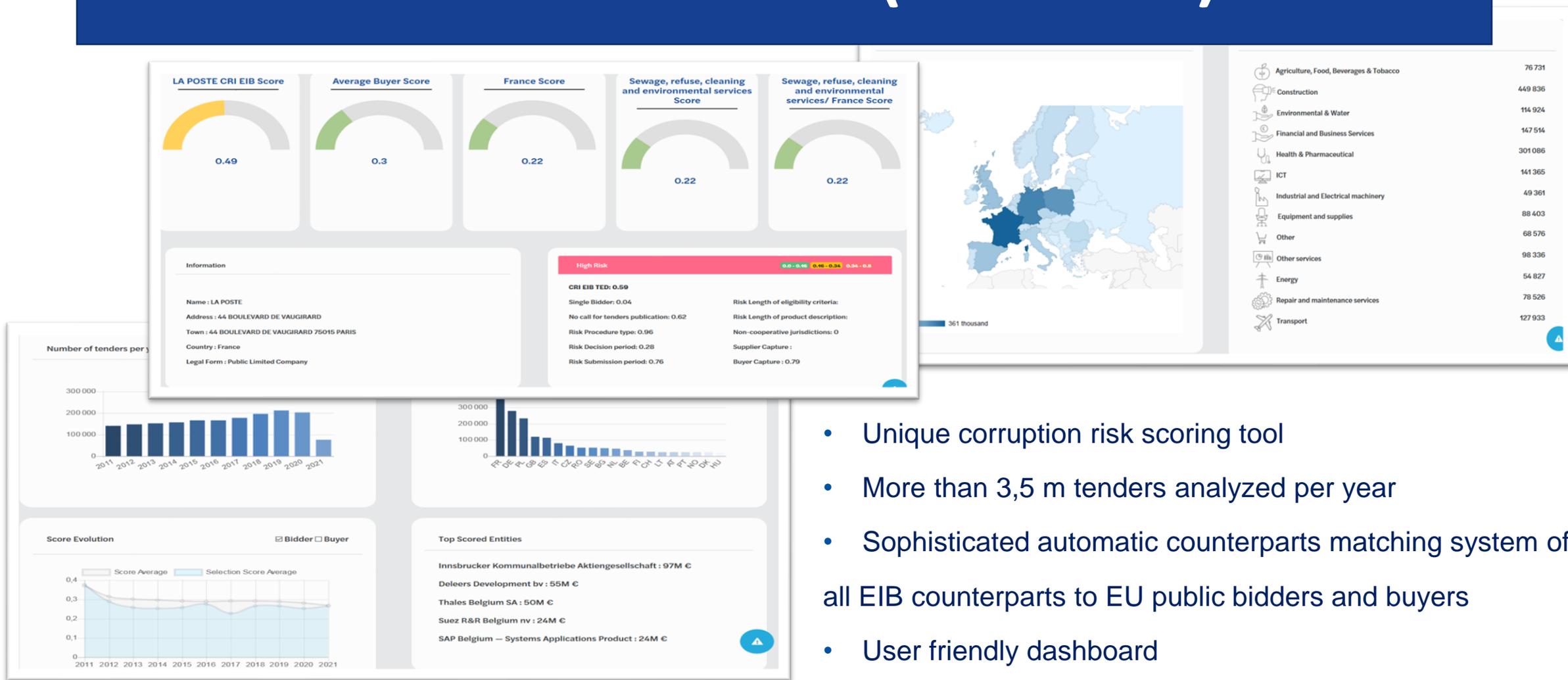
Corruption Risk in Procurement Robot



Desktop Review (DR) – comprehensive desktop review of projects selected based on the data from the FIRST in order to choose the most relevant projects for a full PIR.

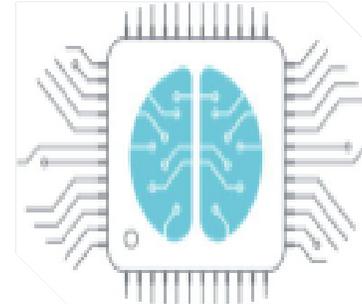
Execution of the Proactive Integrity Review (PIR): complete on-site review of selected projects.

# CRIP: The Robot (overview)



- Unique corruption risk scoring tool
- More than 3,5 m tenders analyzed per year
- Sophisticated automatic counterparts matching system of all EIB counterparts to EU public bidders and buyers
- User friendly dashboard
- Automatic data updates
- Search engine

# CRIP: The Robot (DATA)



→ All EU published public tenders  
→ +3M contracts /year  
→ Historical records from 2011



## DATA

→ Collection  
→ Storage  
→ Cleaning  
→ Structure



## MATCH

Automatic matching of all EIB counterparts to public bidders and buyers



## RISK

Algorithms for scoring risk of aggressive procurement practices

# CRIP: The Robot (Risk Indicators)

## Single bidder

Only one bid received for the contract

## Decision period

Very few days between submission deadline and contract award

## Advertisement period

Few days between tender publication and submission deadline

## Product description length

Unusually short or long contract description

## Eligibility criteria length

Unusually short or long eligibility criteria

## Risk procedure type

Use of non-open or high-risk procurement procedures

## No call for tender publication

Tender not published in the official journal

## Buyer capture

Largest supplier accounts for a high share of buyer's total spending

## Supplier capture

Largest buyer accounts for a high share of supplier's total contract volume

## Non-cooperative jurisdiction

Supplier registered in a non-cooperative jurisdiction

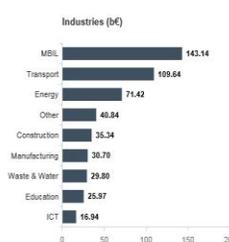
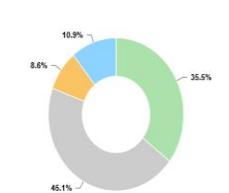
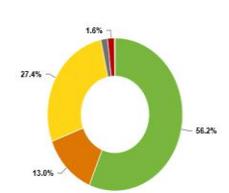


## RISK

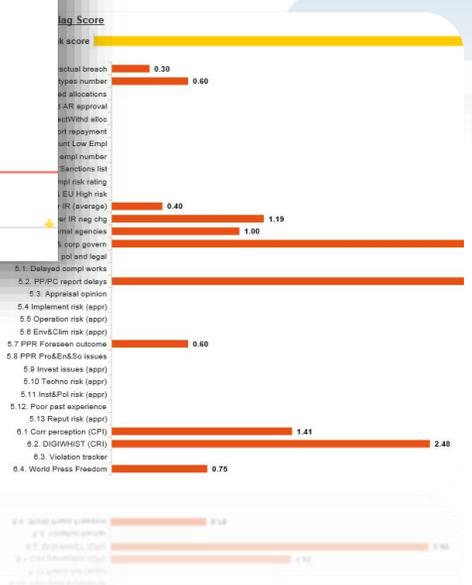
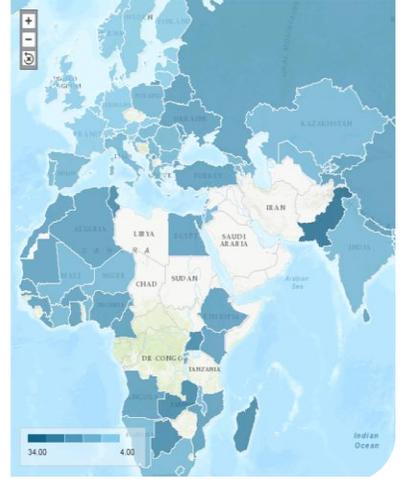
Algorithms for scoring risk of aggressive procurement practices

# FIRST

- Since 2017 at EIB / 2022 at EIF
- Assist IG/IN in selecting projects for PIRs



First year of signature (b€)			
2010	43.53	2011	41.65
2012	33.44	2013	49.22
2014	54.36	2015	67.70
2016	62.78	2017	99.91
2018	41.68	2019	42.92
2020	0.99		



- Approx. 100 risk indicators for both EIB and EIF
- Automatic data updates
- Internal and External data sources
- Interactive
- Internal clients: Compliance, Internal Audit, Risk Management ...

THANK YOU



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