

Ottawa Police Service Crime Intelligence Analysis Unit

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Welcome & Purpose

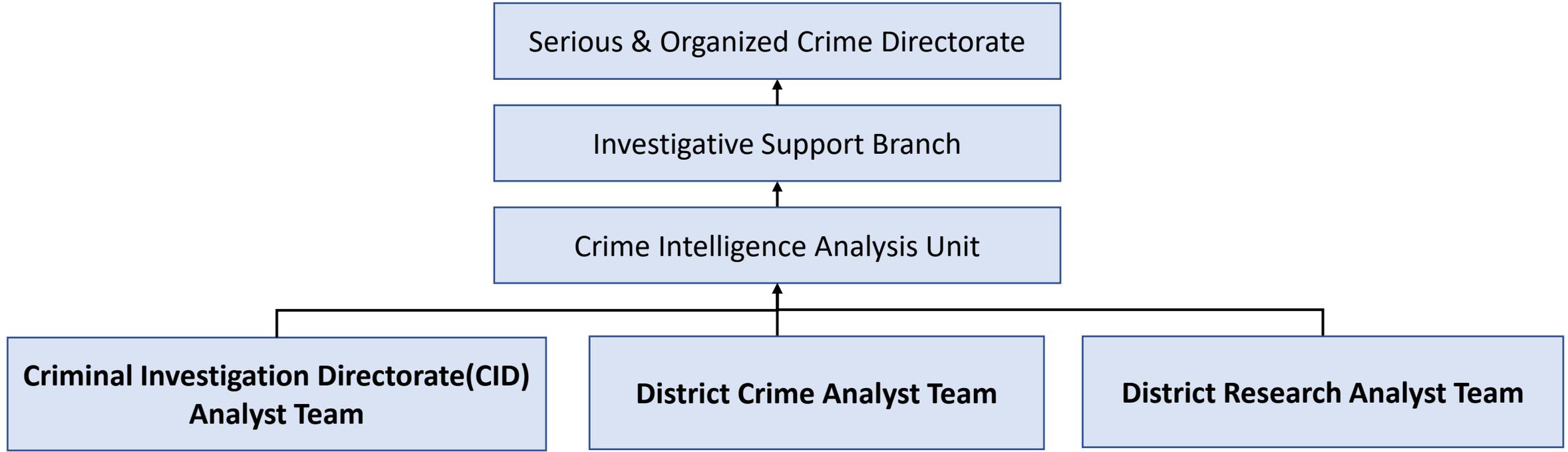
The Crime Intelligence Analysis Unit (CIAU) supports policing operations through tactical, strategic, investigative, and operational analysis to help solve, reduce and prevent crime.

We use systematic, data-driven methods to deliver actionable, intelligence-led insights that support informed decisions at all levels and enable forward-looking, community-focused policing in Ottawa.

Agenda

1. Who We Are
2. What We Do
3. Looking Ahead
4. Closing Remarks & Questions

CIAU – Who we are

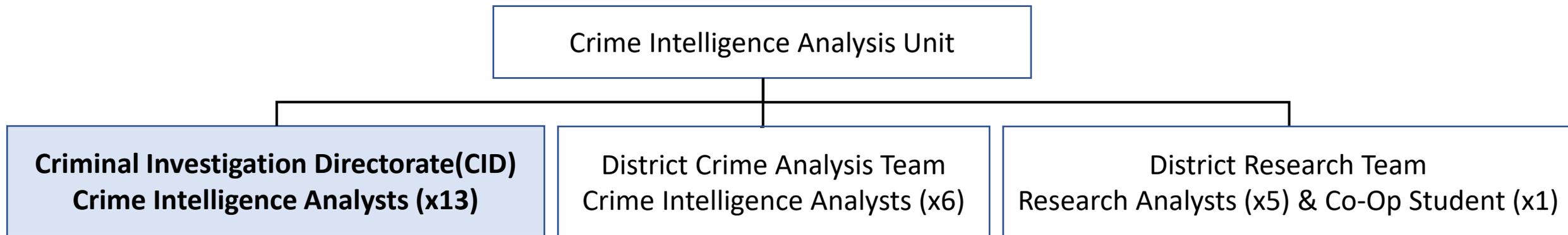


Key Background & Skills

- ▶ **Advanced Education** in Criminology, Psychology, Statistics, Geography, Legal Studies, Political Science, and related fields.
Over 40% of team members hold a Master's degree or higher.
- ▶ **Expertise** in forensic investigative support, spatial analysis (Geographic Information Systems), statistical modeling and computing, data querying (e.g., SQL), data visualization (e.g., Power BI), and applied research design and evaluation.



Pillar 1 – Criminal Investigation Directorate(CID) Analysts

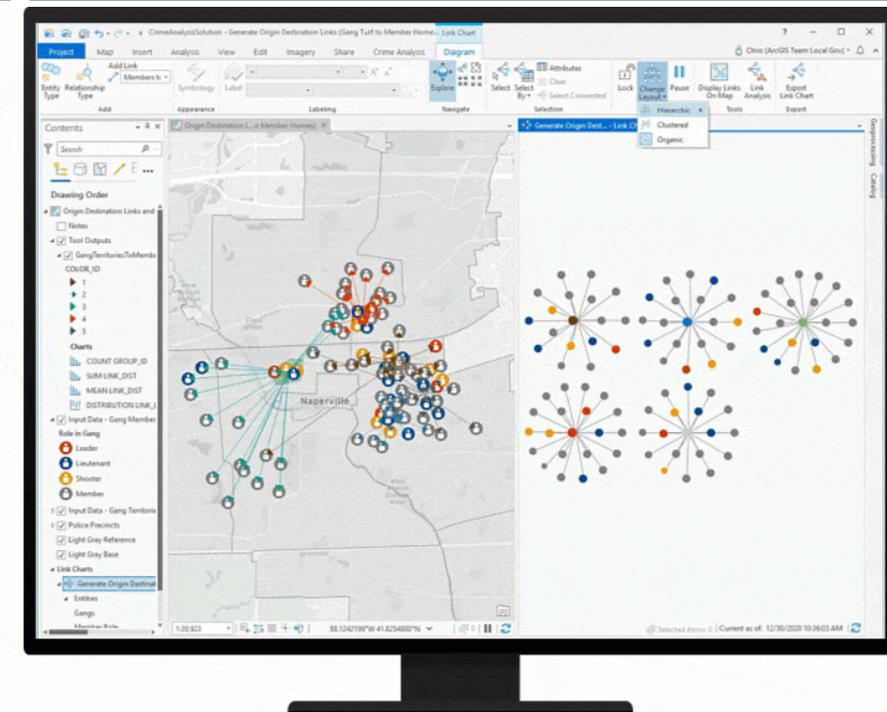


CID Analysts Provide Analytical Support to Specialized Investigation Units:

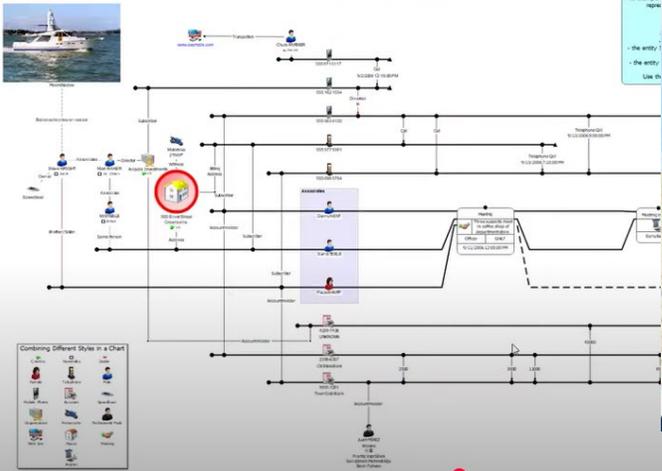
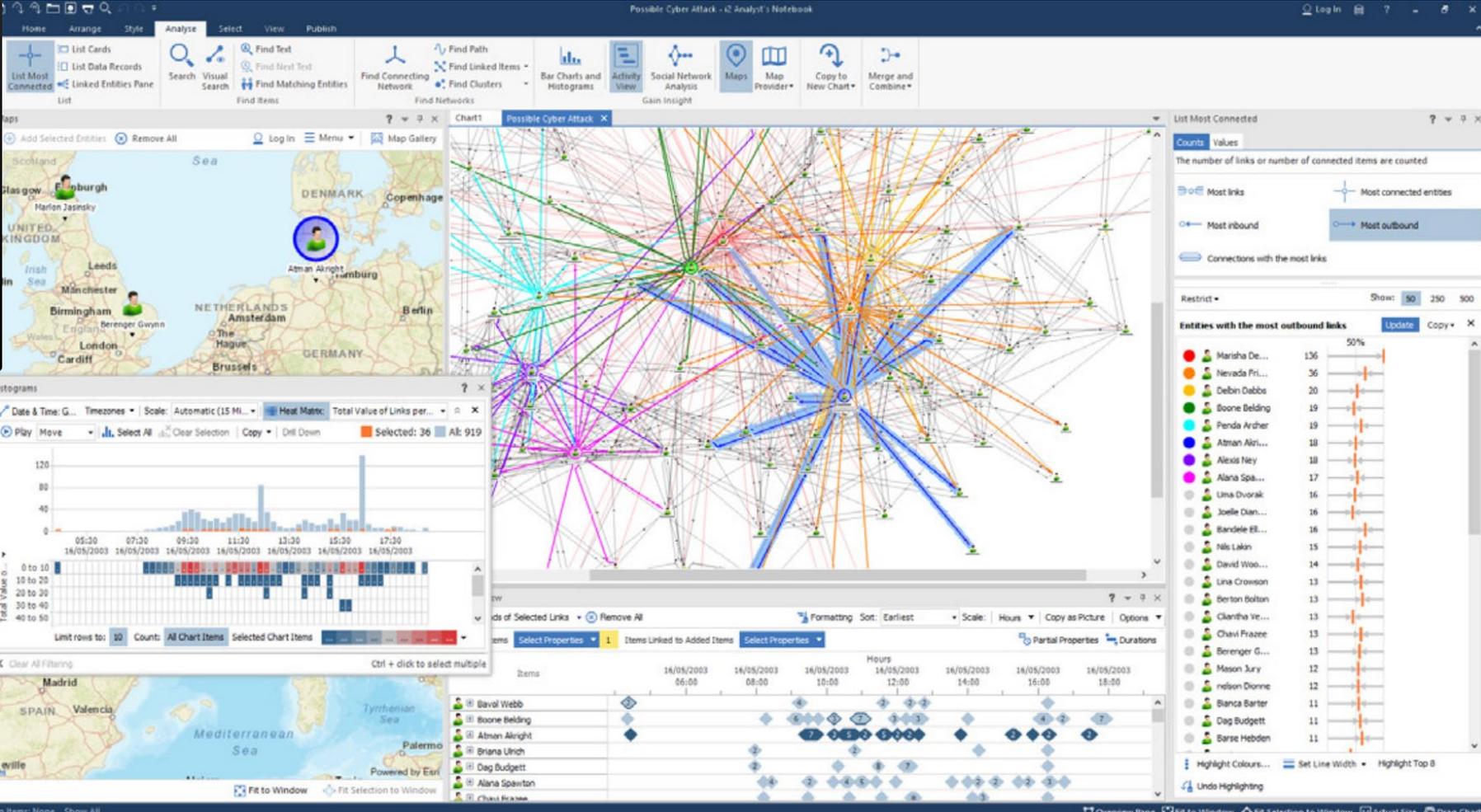
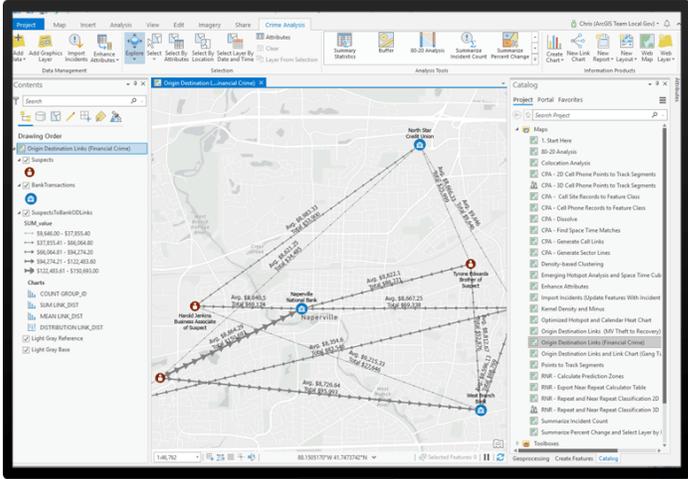
- Homicide, G&G, Drugs
- Human Trafficking, SACA/IPV
- Robbery, B&E
- Org Crime/Intelligence
- Other CID Units and Secondments (e.g., OPP, Federal Government)

They provide analysis such as:

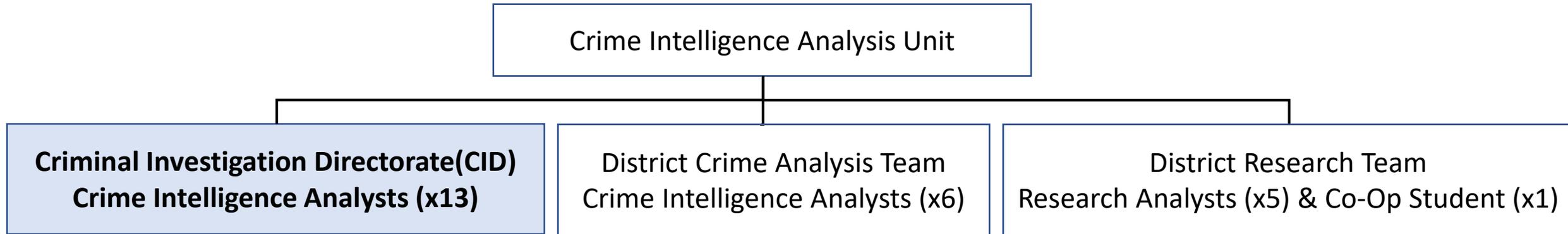
- Link charts and suspect profiling
- Tower Dump Report (TDR) and Call Detail Record (CDR) analysis
- Location-Based Services (LBS) analysis
- Open-Source Intelligence (OSINT) gathering



Pillar 1 – Criminal Investigation Directorate(CID) Analysts



Pillar 1 – CID Analysts Success Stories

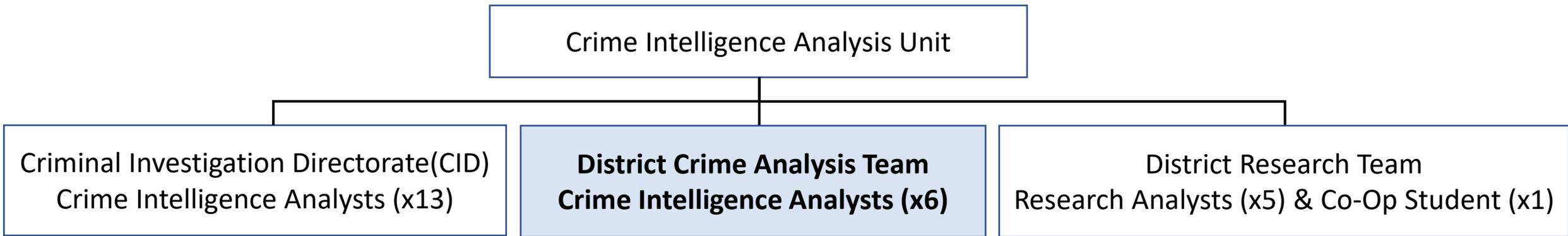


Alyson Yaraskovitch – Winner of the Ontario Crime Analyst Network (OCAN) 2024 Outstanding Analyst of the Year

Yaraskovitch used GPS data from a suspect's phone to identify a precise location where evidence might have been dumped. Her hunch was correct—bloody clothes were found on frozen ice, crucial to securing a conviction. *“If we hadn't gotten to it in time, it would have melted away.”*

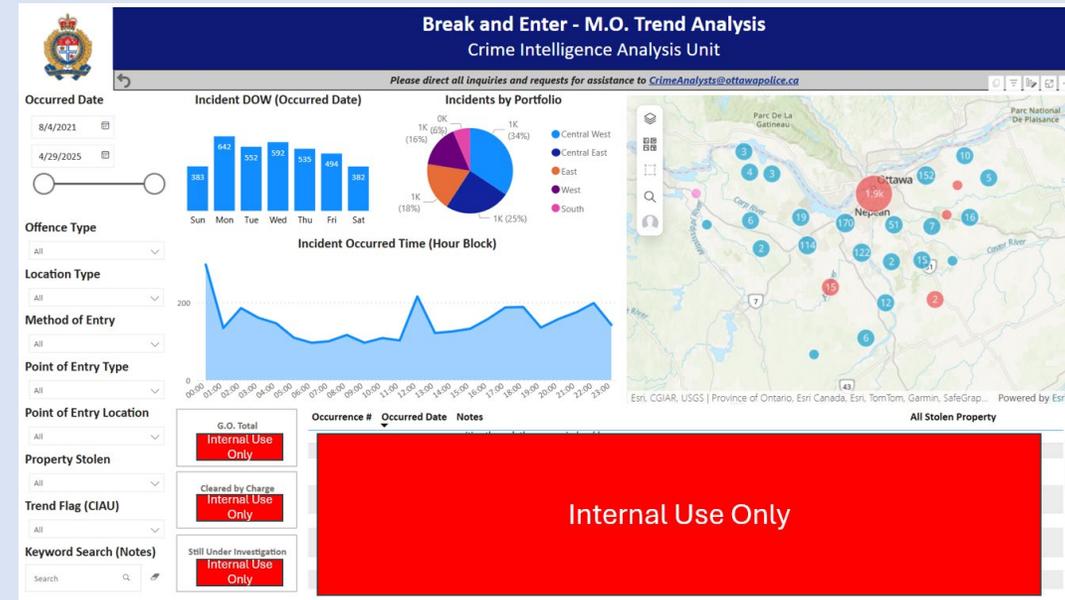
“We're kind of the data detectives. Investigators come to us and say, ‘Here's all this information and here's what we need to find.’ They don't always know exactly what they need and how to go about it. That's where our analytical skills come in—to use what we have in our toolbox; analyse the raw data they hand over and pull out what's relevant and actionable.”

Pillar 2 – District Crime Analysis Team

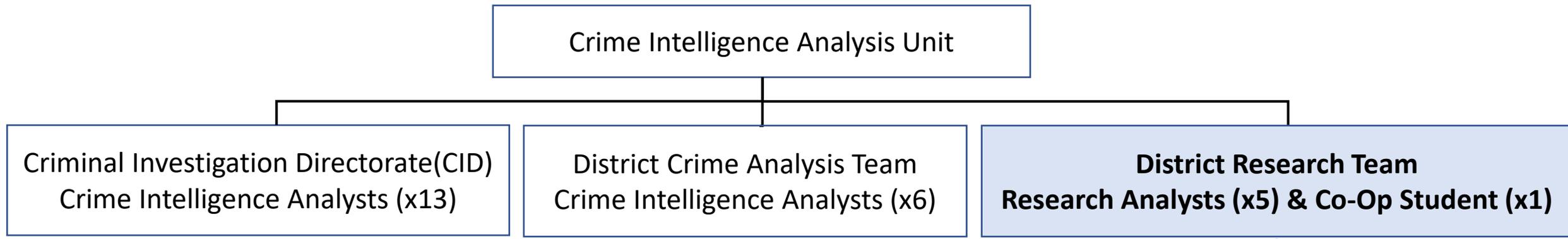


District Crime Analysts focus on real-time analysis to support Patrol & Neighbourhood Resource Team (NRT) deployment, and Frontline Investigation Units (GAS) through identifying geographic trends

- West District
- Central District
- East District
- South District
- Traffic Unit and Community Youth Unit

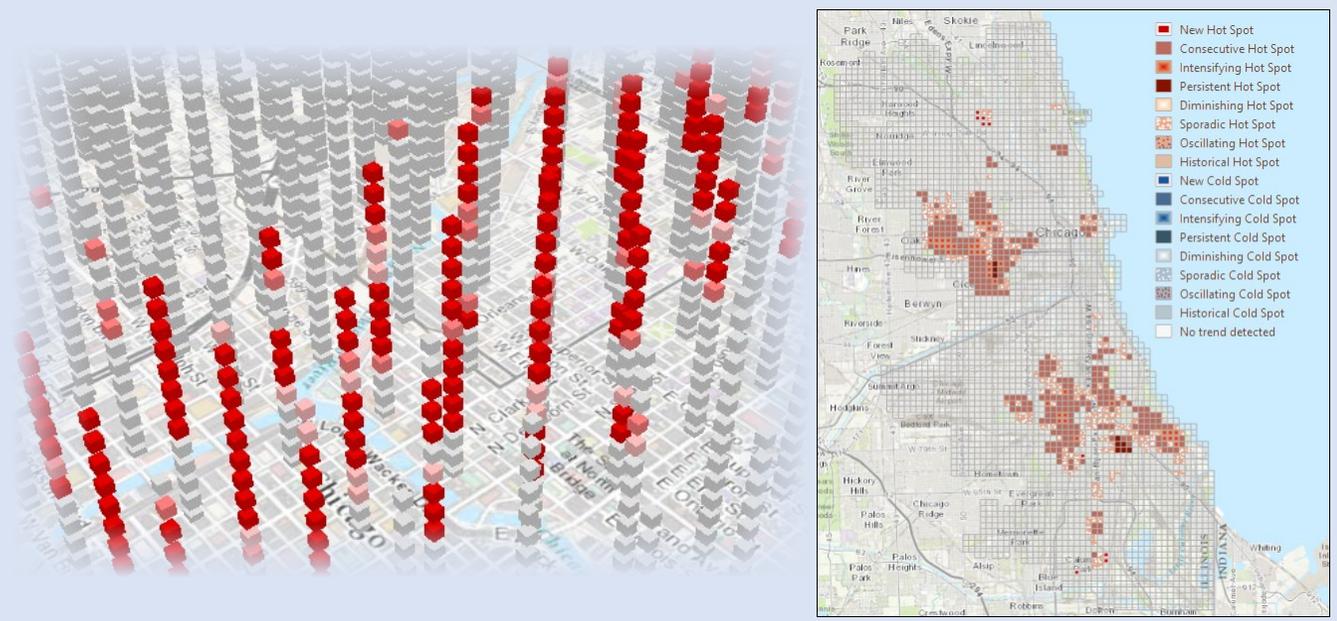


Pillar 3 – District Research Team



District Research Analysts focus on *long-term and strategic* research to identify trends, emerging issues, and support planning and new initiative development.

- West District
- Central District
- East District
- South District
- City – wide Projects



Pillar 3 – District Research Team Success Stories

Threatening Behaviour Towards OPS Members from 2021-2025

Central RA Autumnne Cadieux & East RA Dr. Danielle Mayer. April 2025

Key findings:

- There is increasing anti-police sentiment being felt across Ottawa, as well as nationally and internationally.
- **Since 2021**, there have been **50 reported cases**.
 - **18 VERBAL THREATS**
 - **11 EMAIL HARASSMENT**
 - **74%** incidents occurred in **Central** District.
 - **Motivation** include **officer presence at protests, race/religion** and **anti-police sentiment**.
 - Female officers are **not** victims of profession-related assault, harassment or threats at a higher rate than male officers
 - It is believed that threatening behaviour toward OPS officers goes **grossly underreported**.

Next Step & Recommendations:

- **A New Study Flag** “- OH = Officer Harassment/Threat” has been created based on this research for trend tracking and early threat alerts.
- **A Dashboard** is in development for alert purposes and will be accessible to Chain of Command (CoC)
- **Potential Protocol/Policy Recommendations**
- **Safety Protocols and Training**

Pillar 3 – District Research Team Success Stories

Ongoing Research Projects

Community and Social Issues

- Homelessness & Crime
- Collisions Involving Vulnerable Road Users
- Youth Involvement in Violent Crime
- Distracted, Dangerous and Impaired Driving
- Encampments and Crime
- Tourism and Crime
- Impacts of Bail Reform and Criminal Justice Delays on Local Crime
- Violence and Threatening Behaviour Towards OPS Officers
- The Risk of Secondary Trauma in Crime Analysis

Emerging Crime Trends

- Seasonal Crime Patterns
- Use of AI to Commit Fraud
- Theft of Vehicle Parts
- Cryptocurrency-Related Crime
- Baby Formula Theft

Looking Ahead: Growing with Purpose



Multidisciplinary Hiring



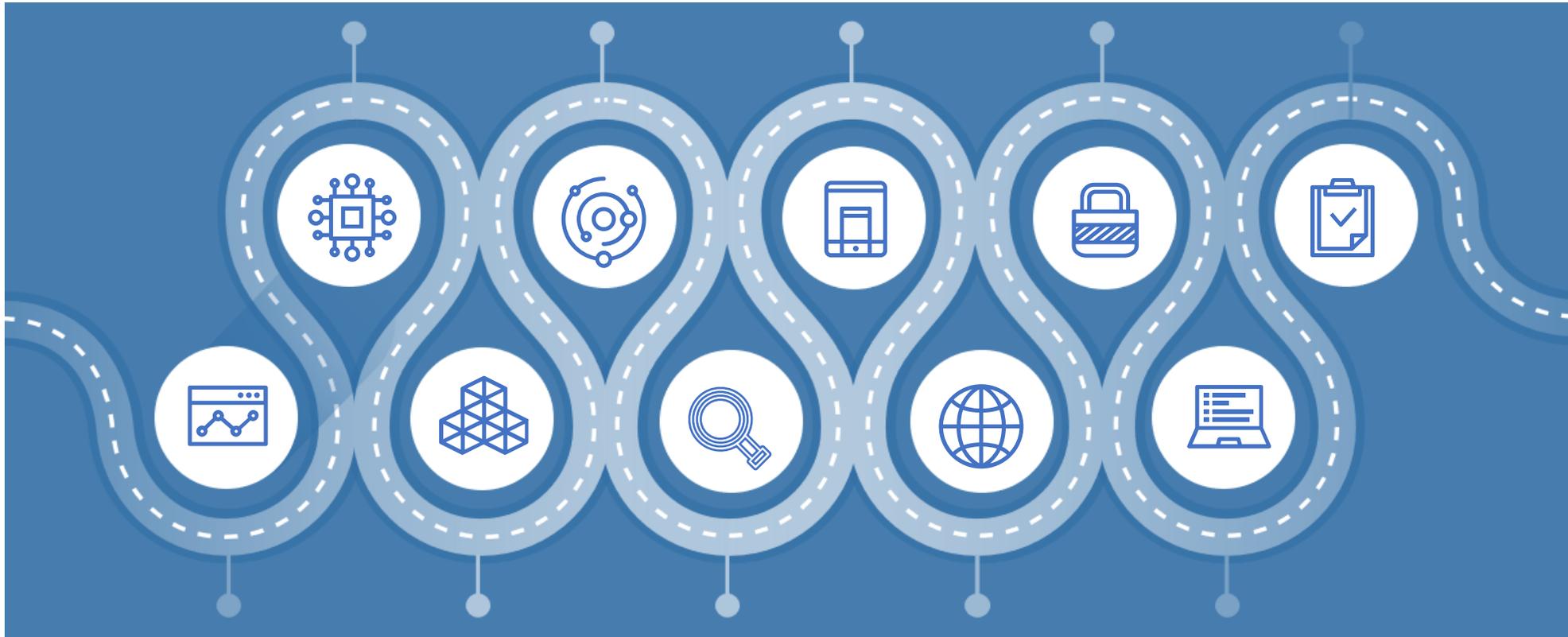
Diverse & Inclusive Analytical Culture



Analysts as Strategic Drivers



Analyst Retention & Career Growth



Data Science Capabilities



Data-Informed at Every Level



Regional Crime Analytics Network & Collaboration



Centralized Knowledge Hub



Academic & Tech Partnerships

Closing Remarks & Questions



Thank You!