

# --- EMPOWERING ONTARIO'S CIRCULAR ECONOMY THROUGH DATA-DRIVEN INNOVATION ---

## **ABOUT THE ORGANIZATION**

The Resource Productivity and Recovery Authority (RPRA) is a regulatory body established by the Government of Ontario t enforce the province's circular economy lav

RPRA's main responsibilities include overse waste diversion programs, supporting businesses in meeting individual producer responsibility (IPR) requirements for various materials, including Tires, Batteries, ITT/AV equipment, Hazardous and Special Product Lighting, and Blue Box materials. It's also responsible for operating digital reporting services for various waste and resource recovery programs such as the Excess Soil Registry and the Hazardous Waste Program Registry.



Through these efforts, RPRA is committed t fostering a sustainable, resource-efficient future for Ontario.

# **DID YOU KNOW?**

A key driver of the circular economy is individual producer responsibility (IPR). IPR means that producers are responsible and accountable for collecting and managing their products and packaging after consumers have finished using them.

# POLICY AND DATA ANALYST INTERN Hefan (Rosalinda) Zhang

	MAJOR PROJECTS
to ws.	<ul> <li>Standardization of Reporting Proceed</li> <li>Gathered and interpreted inform reporting activities to draft Stand Procedures (SOPs).</li> <li>Assist in unifying and standardizi practices at RPRA, ensuring com Ontario's circular economy laws.</li> </ul>
S	
/ n	<ul> <li>Hazardous Waste Program (HWP) P</li> <li>Collaborated with Senior Data Are the first annual reports for the HW</li> <li>Extracted and organized essential Salesforce, performed extensive formatted reports to ensure clarify</li> <li>Authored the metadata for the republic access and understanding</li> </ul>
to	<ul> <li>Battery Regulation Program Visualiz</li> <li>Leveraged Infogram to create vis Battery Regulation Program's act transforming complex data into s graphs.</li> <li>Ensured that the visualizations en interpretation without introducin misleading information,</li> <li>Contributed to transparent and en communication of program outce</li> </ul>

### dures

- nation from former dard Operating
- ing reporting npliance with

### Public Reporting

- nalysts to develop WP.
- ial information using data cleaning, and ity and usability. eports, facilitating g of the information.

#### zation

- isualizations of the hievements, straightforward
- nhanced ng bias or
- effective comes.

# **INDUSTRY CHALLENGES**

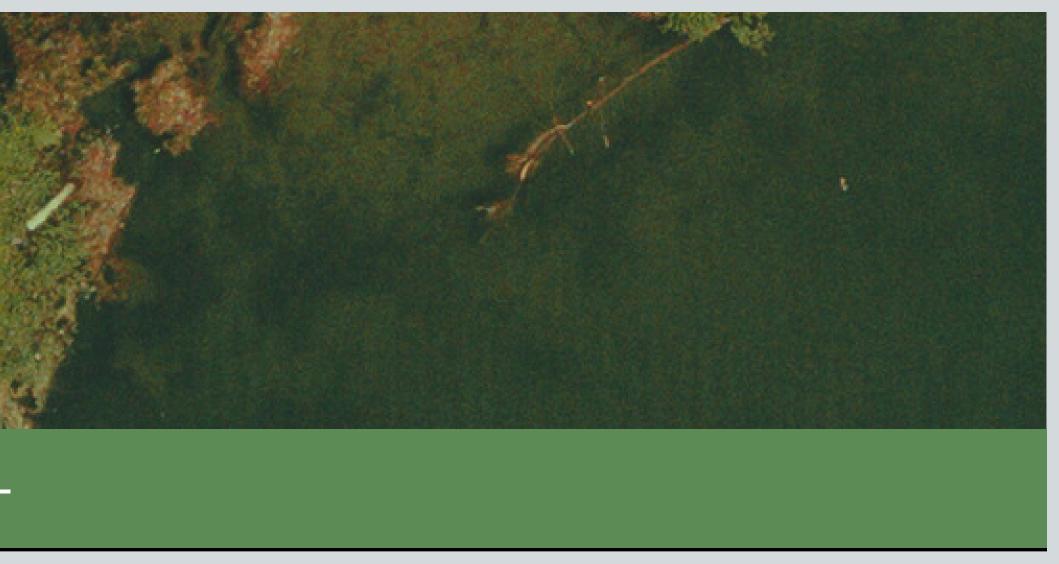
- compliance readiness.

- needs

# **KEY TAKEAWAYS**

- and project management.
- perspectives.





• Ensuring compliance across diverse industries, each with unique regulatory requirements and levels of

• Collecting vast amounts of data from multiple

reporting programs, while ensuring its accuracy,

consistency, and usability for decision-making.

• Present complex regulatory and data information in a way that is accessible, transparent, and

interpretable to the general public.

Adapting to evolving regulations and stakeholder

• Regulatory Insight: Gained a deep understanding of how regulatory bodies enforce environmental

sustainability and circular economy laws.

• Practical Data Skills: Applied academic knowledge to real-life problems through data cleaning and analysis of large datasets with over 75,000 rows.

• Policy Development: Learned to draft Standard

Operating Procedures (SOPs) and contribute to

standardization within a regulatory environment.

• Teamwork and Adaptability: Enhanced my ability to work effectively in small teams, communicate across disciplines, and developed agility in problem-solving

• Sustainability Commitment: Strengthened my commitment to sustainable practices while deepening my understanding of diverse stakeholder

