

Data Visualization and Representation through Internet of Things (IoT)

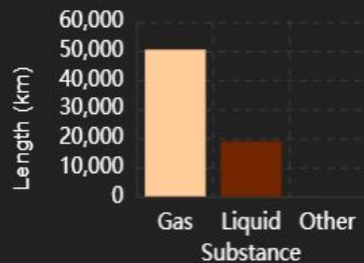
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What is the problem?

- Complex data structure, impossible to organize
- Mass information
- Difficult to regulate

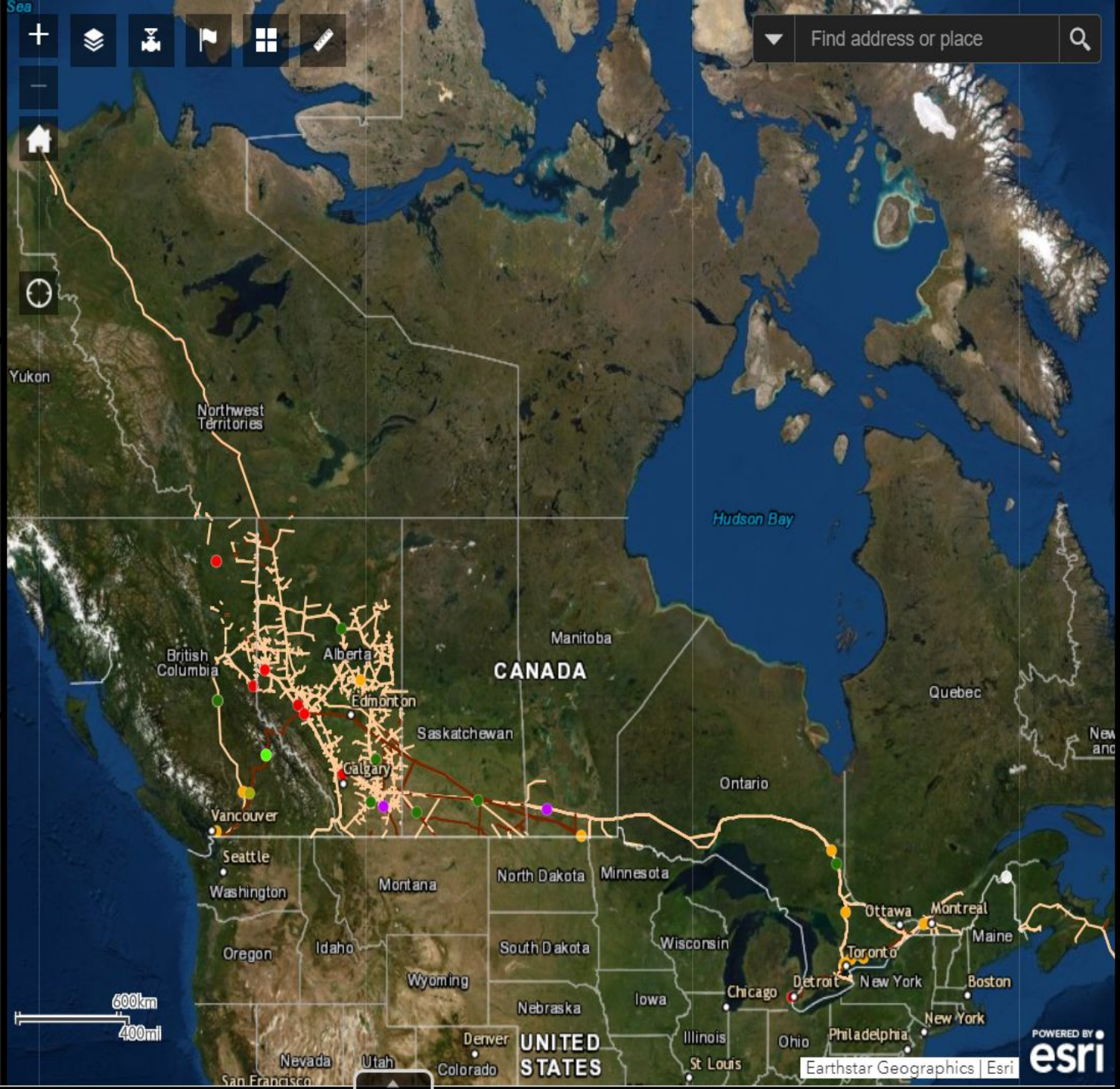
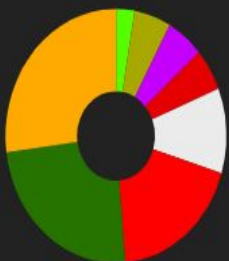
Length of Pipelines in View



Number of Incidents in View

37

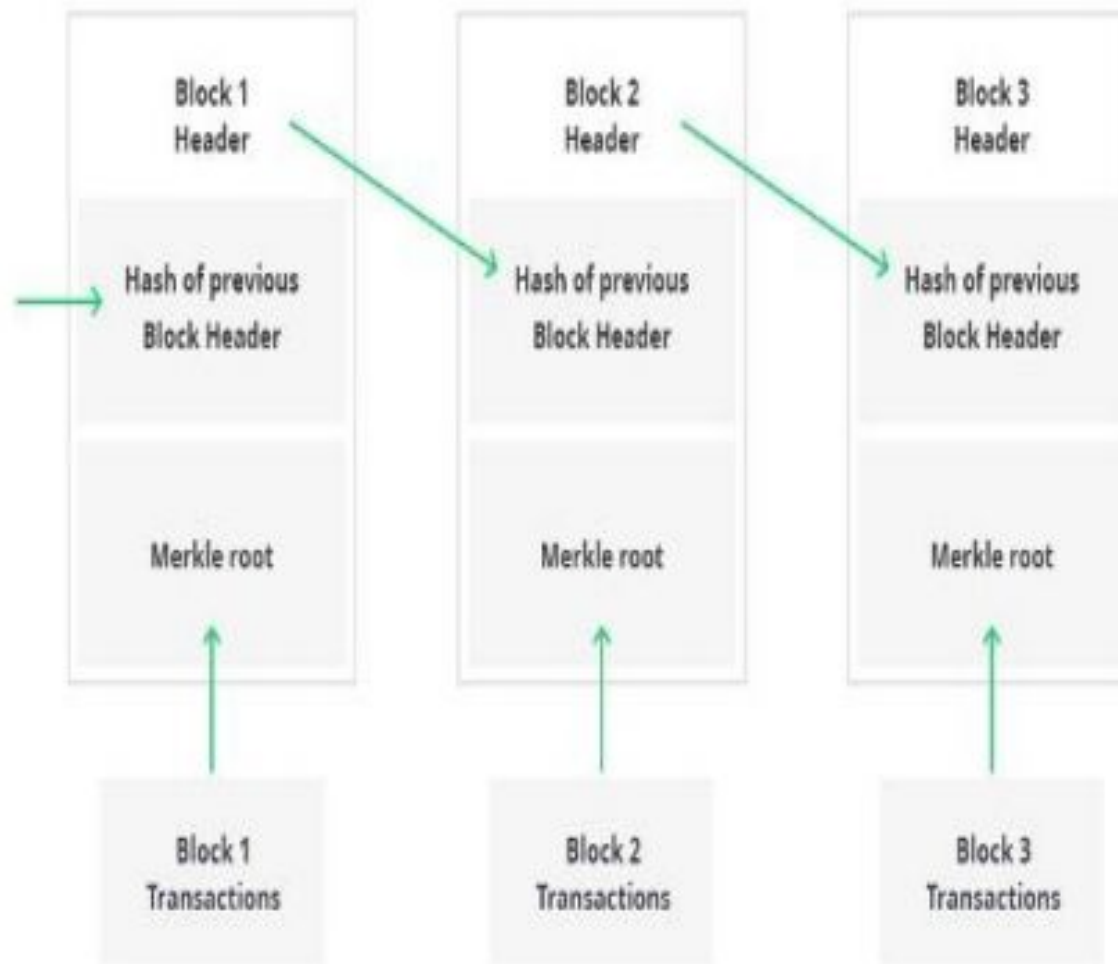
Breakdown of Incidents in View



Solution - Internet of Things (IoT) and Blockchain for data storage

- IoT is a network that is able to connect many objects to the internet via a large number of devices.
- Big Data → Many Unspecified Devices or Processes → Blockchain
- No central authority → security and credibility of data
- IoT device transactions are recorded as ethereum smart contracts

Blockchain-based analytics



Why it is relevant to our society?

- Environmental Factors
- Indigenous Safety