Semantic technology to help clean Earth orbit & make spaceflight safer

- Preserve our orbital environment
- Explore data search, retrieve, inference
- Protect our astronauts

- Tag data & Model phenomena with **semantic metadata** and **knowledge representation** (AI) systems
- **Link data** → better env. awareness!
- Taxonomies, terminologies, ontologies, graphs
  - In-progress ontologies - need contributors, mentors, looking for PhD studentship or work opportunity to sustainably work on this [http://purl.org/space-ontology](http://purl.org/space-ontology)

by Robert J. Rovetto

ESIP res. presentation "Astronautical Knowledge Representation/Modeling to improve spaceflight and data mgmt"