Testing serialization is hard

- If you use a registry for deduplication, don't forget to have a test where you clear the registry!
- Class-based grouping of tests are useful here, with a mix-in for serialization testing
- Beware of things that are conceptually equal but don't test that way: NaN!

A serialization solution

- There is a to_dict / from_dict method for each class that creates a shallow mapping of attributes.
- All classes that can be serialized this way inherit from a base class and carry a mechanism for creating their unique identifier.
 - OPS: UUID; OpenFE: gufe key
 - Do you want equivalent objects created at different times to have the same identifier, or different ones?
- There is a function that consumes such objects and converts them to bytes/ string.