

STA+ Extension

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STApplus 1.0 Standard specifies a backwards compatible extension to the OGC SensorThings API Part 1: Sensing Version 1.1 (STA) Standard data model.

STApplus extension is based on requirements from the Citizen Science community.

- The dominant use for the OGC SensorThings API (STA) data model (and API) can be coined with the use case “single authority provides sensor readings to consumers”.
- The **STApplus extension** **INSTEAD**:
 - Is designed to support a model in which **observations are owned by different users** that may express the **license** for re-use.
 - The extension supports expressing explicit **relations between observations** and creating **groups of observations** to containerize observations that belong together.
 - **Relations** can be created among any individual observations or observations of a group to support performant Linked Data extraction and semantic queries.

OGC® DOCUMENT: 22-022

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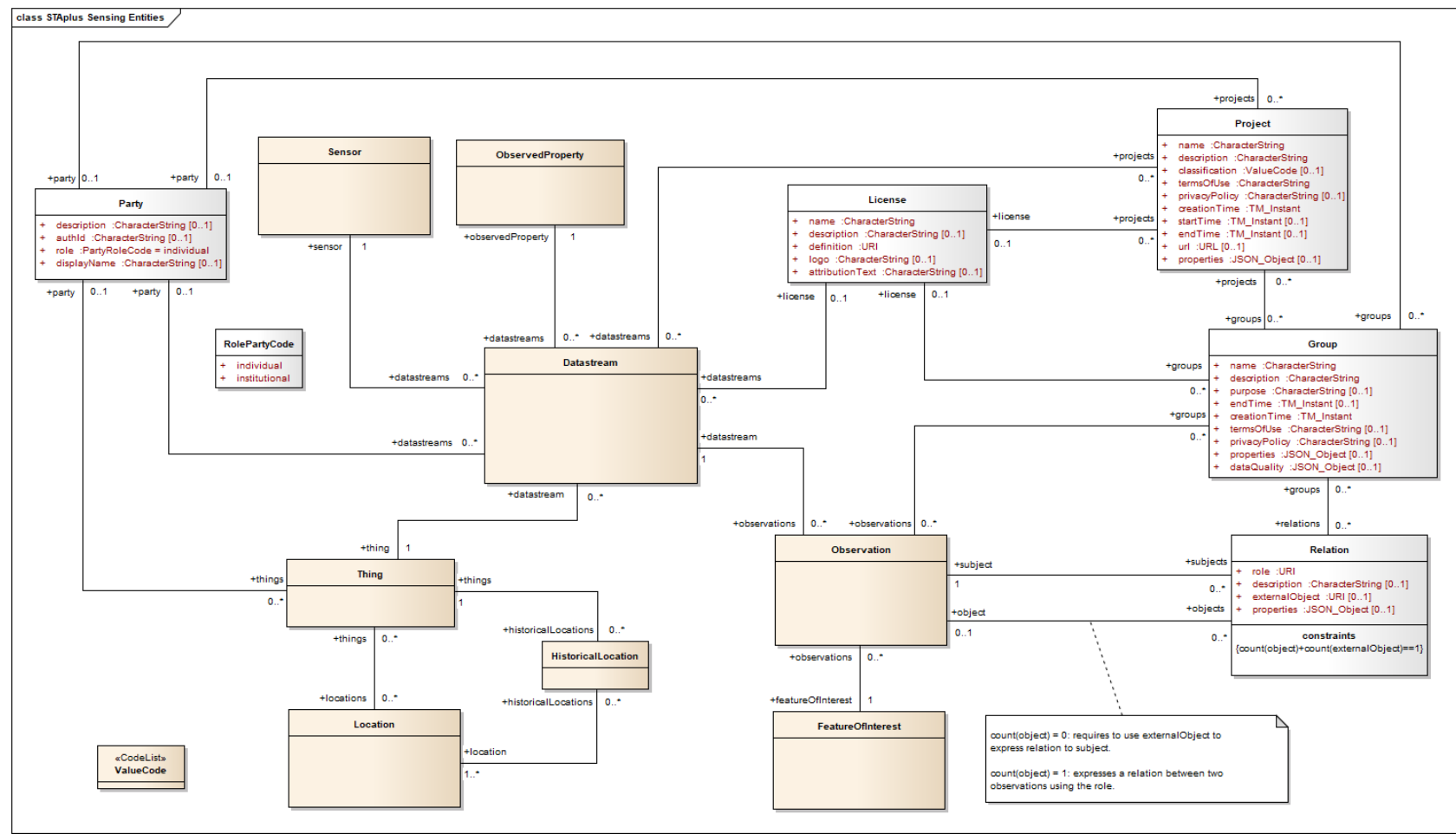
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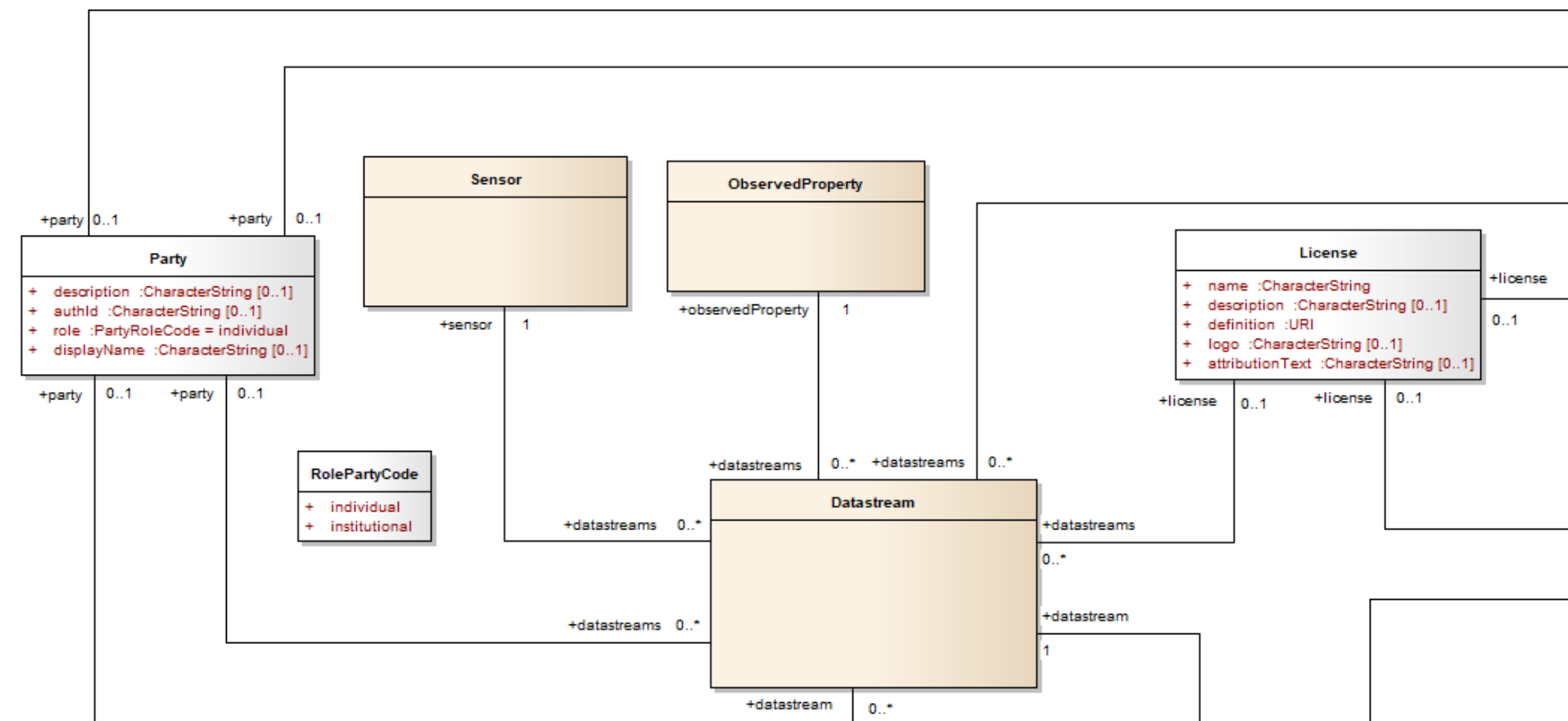
OGC SENSORTHINGS API 1.1 EXTENSION: STAPLUS 1.0

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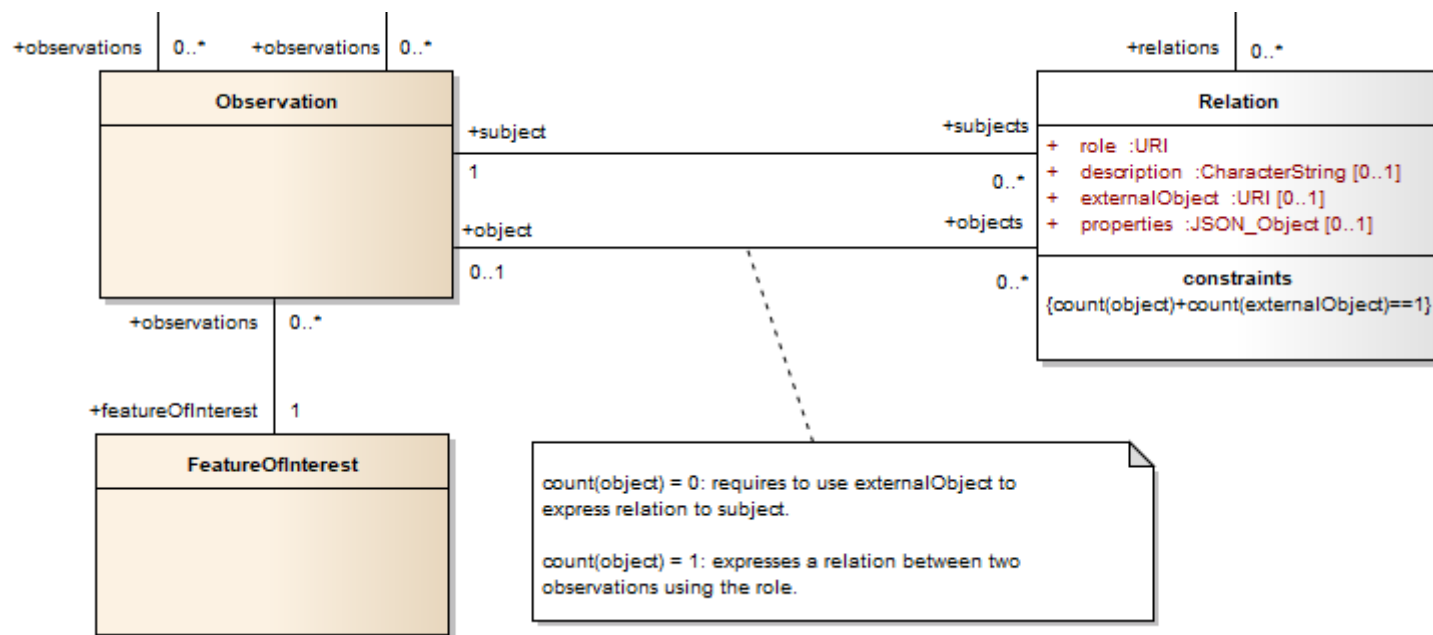
STA+ schema



STA+ schema – detail 1 of 3



STA+ schema – detail 3 of 3



STA+ implementation...

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 src	Fixed table bindings	2 weeks ago
 .gitignore	.DS_Store banished!	2 years ago
 LICENSE	LICENSE file added and Copyright fixed	last month
 README.md	LICENSE file added and Copyright fixed	last month
 license-header	LICENSE file added and Copyright fixed	last month
 pom.xml	update to new FROST-Server code structure	2 weeks ago

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