

Spectral DataModel V2.0

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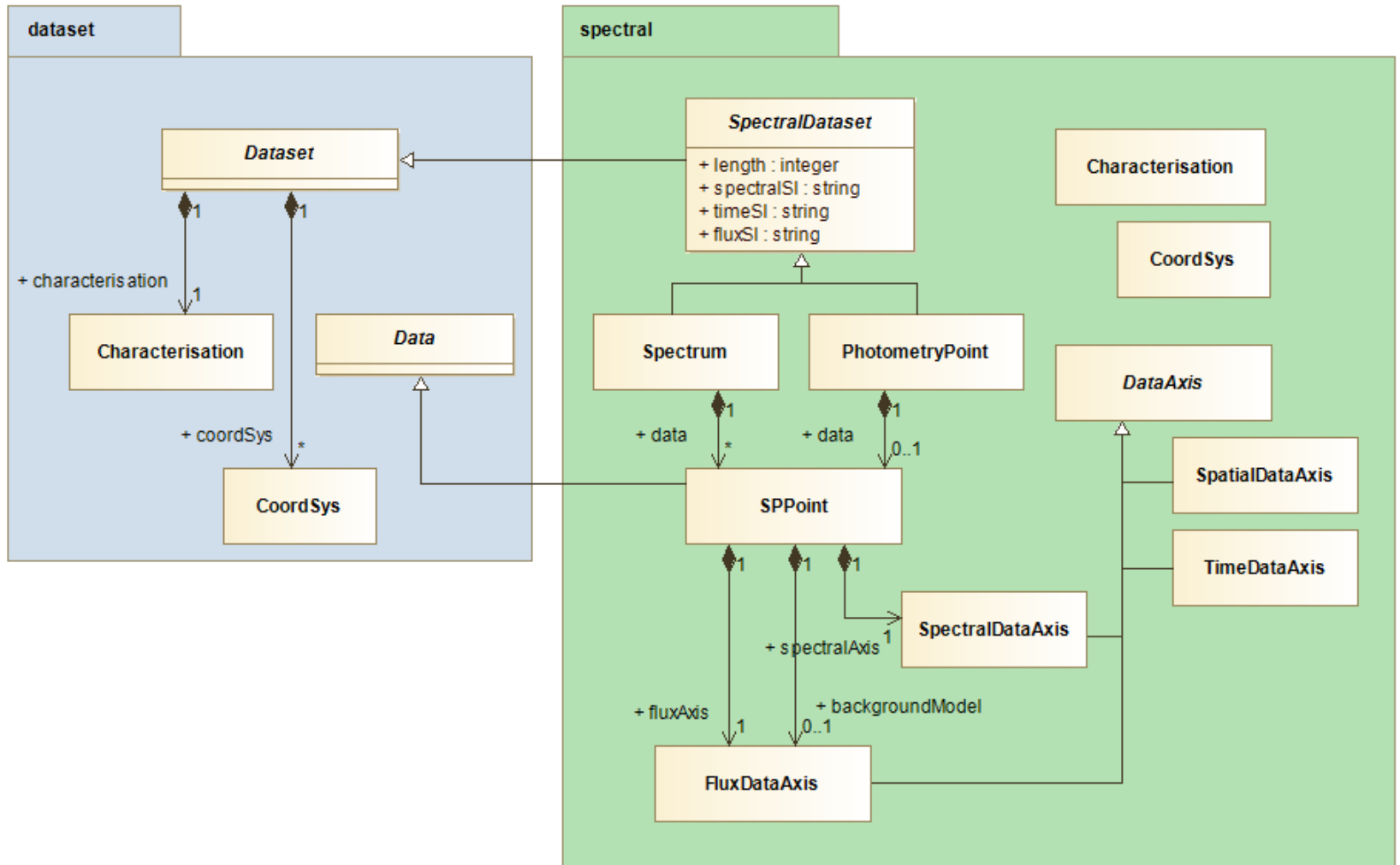


Introduction

- 2011: Spectral-2.0 commissioned
 - Generalize model for spectro-photometric data
 - Define spectrum and photometry point models
 - Incorporate photometry filter (PhotDM)
 - Enable other forms (TimeSeries)
 - Corrections from implementations
- 2012: Stabilized model
 - Iterated within WG
 - Stabilized model in need of reference implementations
- 2013: Migrate toward 'common' model framework
 - Formal UML model
 - Express as extension of Obs-Dataset



Overview model diagram





Toward REC

- Sufficient interest in user community to move forward
 - Submitted for PR: 2014-03-09
 - Announced for RFC: 2014-05-13
<http://wiki.ivoa.net/twiki/bin/view/IVOA/Spectral2RFC>
 - Provided 'conversion aid' on twiki: 2014-08-08
- RFC: 2014-05-13 => 2014-07-30
 - Minor comments on Char relationship description.
- TCG: 2014-08-01 => 2014-09-15
 - DM, GWS approved
 - DAL approved with note on minor typos
 - RWG extensive comments
 - AWG, SWG no comment



Comment Highlights

- Reference implementations
 - How comprehensive are they?
 - What level of interoperability do they demonstrate?
- Use Cases
 - This section in new document is empty.
- Serializations
 - Should have example serializations using all features provided by the DM
- Dataset Metadata
 - `Curation.PublisherDID =? DataID.DatasetID`
 - Element description comments



Going Forward..

- TCG review comments
 - Address questions on twiki
- Document update
 - Restore Use Cases, additions for scope change.
 - Fix typos
 - Metadata description suggestions?
- Reference Implementations
 - Improve description of speclib, provide link
 - TSAP Serialization, link to example?
- **What Next??**