

Photometry Data Model and services

Jesús Salgado*

Carlos Rodrigo**, Pedro Osuna*, Deborah Baines*

with inputs from Mireille Louys, Francois Bonnarel and Alberto Micol

Jesus.Salgado@sciops.esa.int

(*) ESAVO Team,

(**) SVO Team

European Space Astronomy Centre (ESAC)

European Space Agency

WP7 Task 6 member list

wp7_t6_photometrydm@euro-vo.org

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Including SVO, CNRS/CDS, UEDIN, ESO, INFN and ESAVO

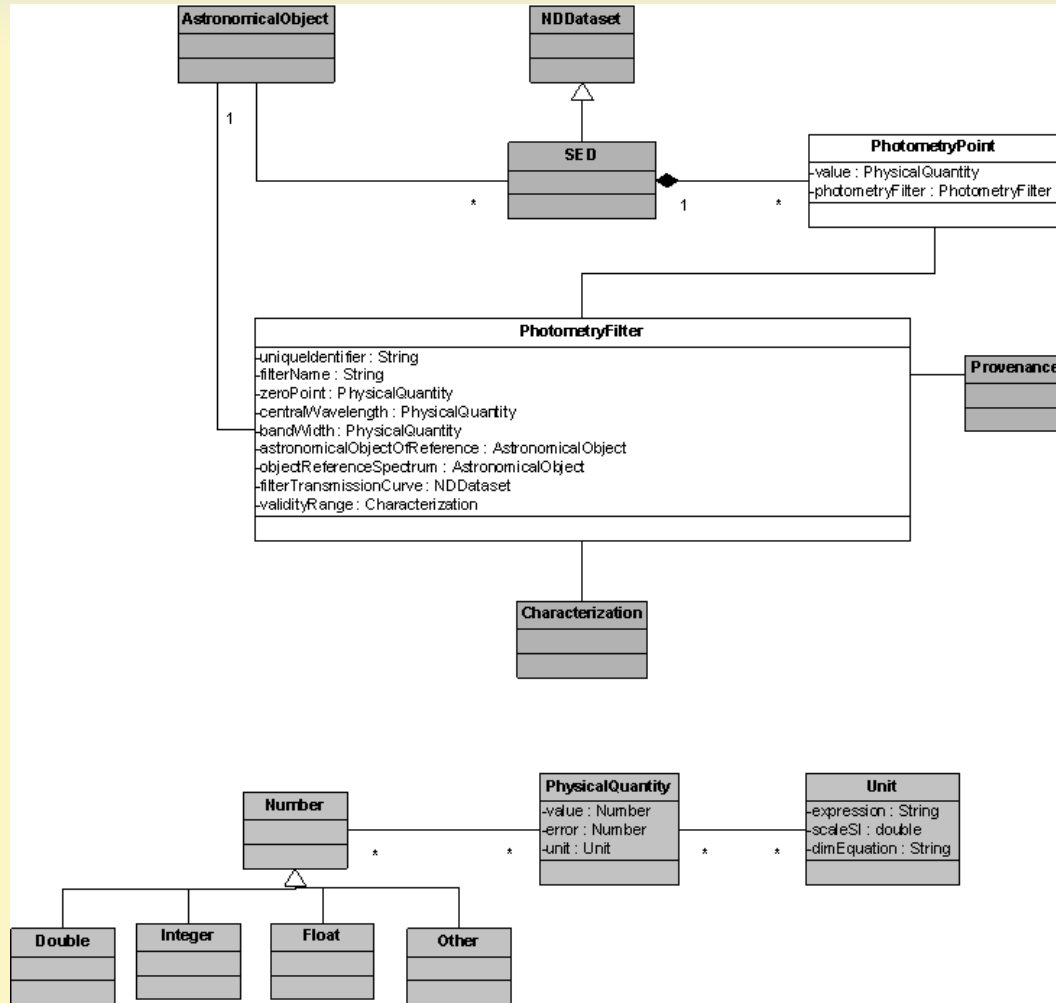
- Carlos Rodrigo - SVO
- Enrique Solano - SVO
- Mireille Louys - CNRS
- Francois Bonnarel - CNRS
- Keith Noddle - UEDIN
- Pepe Longo - INFN
- Alberto Micol - ESO
- Arancha Delgado - ESO/SVO
- Deborah Baines - ESAVO
- Pedro Osuna - ESAVO
- Jesus Salgado - ESAVO

Activities up to now

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- ❑ Meeting held between SVO/ESAVO members
- ❑ Preliminary Photometry UML Data model produced and distributed to the working list
- ❑ Science use cases distributed to the list
- ❑ Plan of activities developed and distributed
 - Distribution of preliminary Photometry UML for discussion (done)
 - Distribution of science use cases (done)
 - Agreement on DM
 - Creation of Profile Filter Service and interaction with VO applications (ongoing)
 - Creation of Photometry data services and interaction with VO applications
- ❑ Model presented during AIDA meeting (March 2009)
- ❑ Discussions held during the meeting and changes implemented in the model

Photometry DM preliminary DM



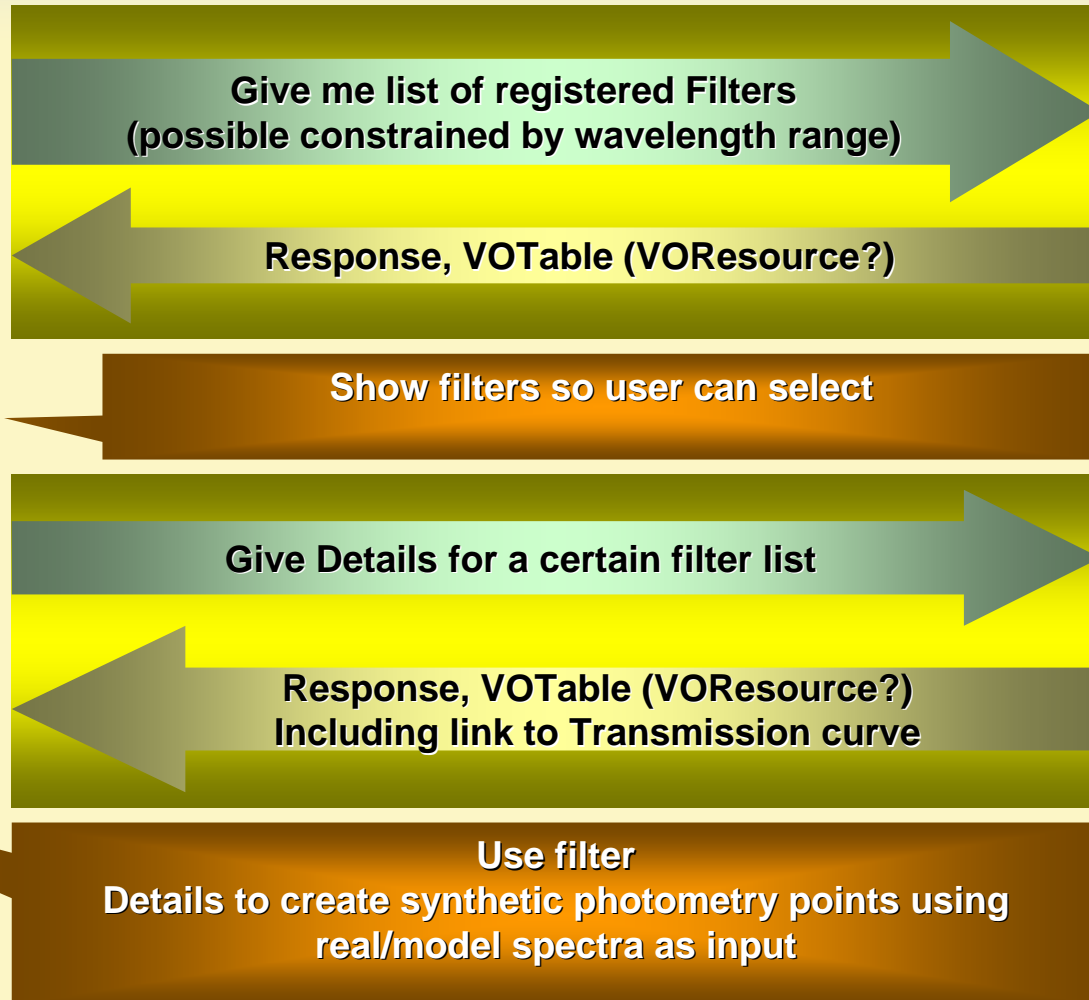
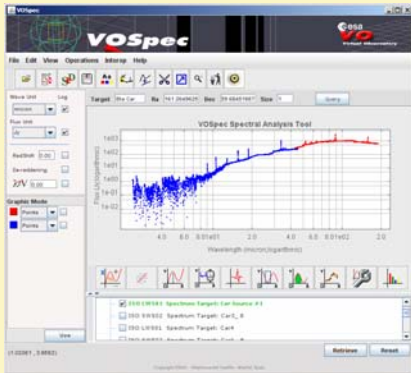
Photometry data model discussion

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- Is this data model enough? It does not describe the environment during the measurements (e.g. atmosphere conditions). After discussion, it was decided to maintain the simplicity of the model. Photometric points to be distributed at this stage in VO should be processed enough so the use of the photometry filter was enough

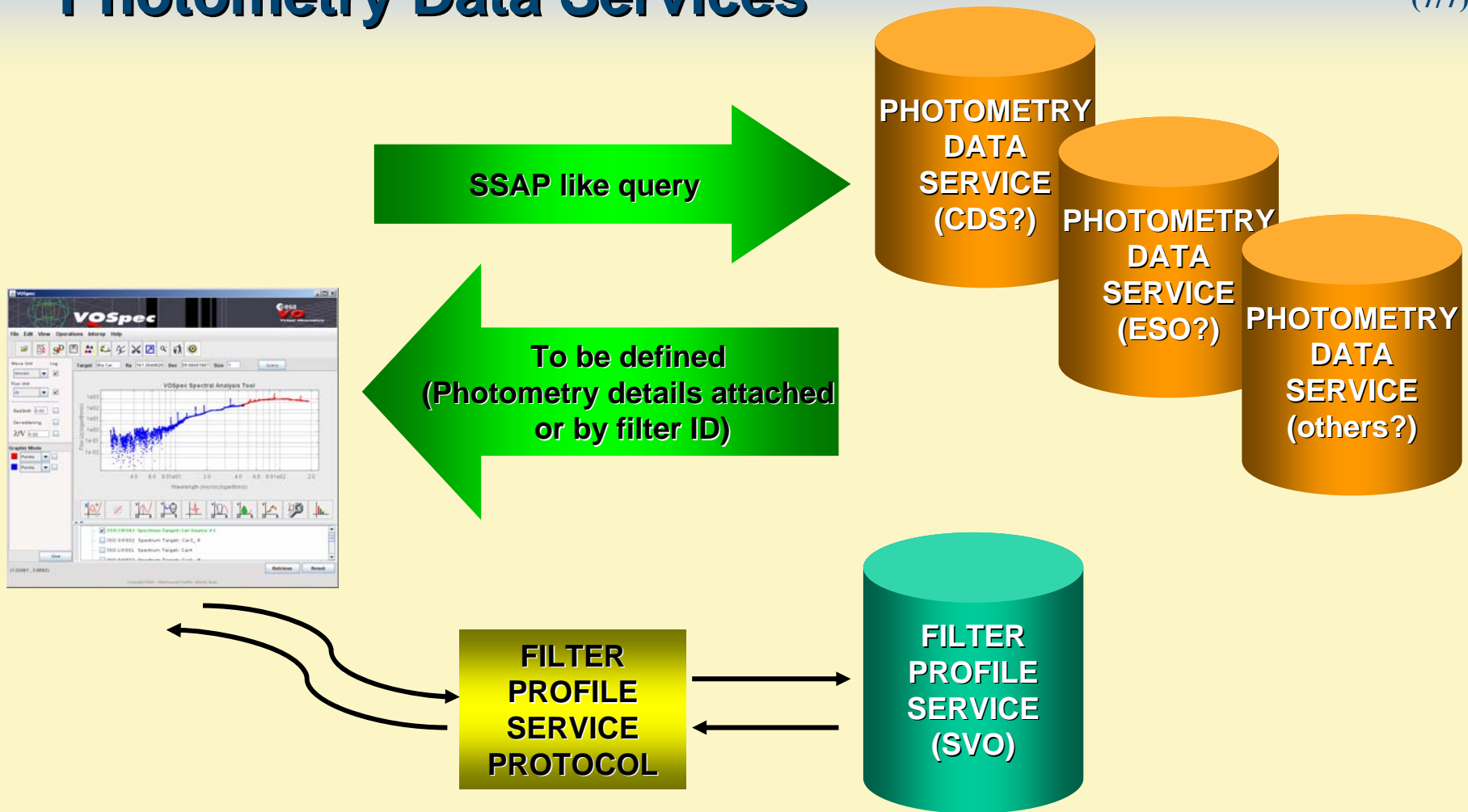
- Photometry filter validity: A temporal range has been added to incorporate into the data model filters that change with the time. Discussion about the present model covers photometry filters with a transmission curve time dependent.

Photometry use case I: Synthetic Photometry



Photometry use case II: Photometry Data Services

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- Discussion on Photometry DM. IVOA note?
- Definition of Filter Profile service protocol
- Implementation: Server side (SVO) Client side (ESAVO). Others?
- Identify possible actors use case II (CNRS/CDS?, ESO?, Others?)
- Discussion, definition and implementation of use case II