SLAP 2

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What happened since Victoria

- A draft of the document sent to DAL group chairs

- A list of questions and corrections was submitted

- Document was updated

- Next slides will introduce the modifications introduced in the standard

SLAP 2 interface (reminder)

Resource type	Resource name	Required
DALI-sync	{lines}	yes
DALI-sync	{species}	no
DALI-examples	/examples	no
VOSI-availability	/availability	yes
VOSI-capabilities	/capabilities	yes

{lines} Resource

- Returns a VOTable containing a list of lines

- Wavelength range is a mandatory query parameter for all implementations

- New parameters introduced :

    - MAXREC : maximum number of lines returned

    - RESPONSEFORMAT : default is text/xml, other possible value is application/x-votable+xml

    - LEVEL_ENERGY : range of energy for the levels of a line (upper or lower), in addition to already existing UPPER_LEVEL_ENERGY and LOWER_LEVEL_ENERGY

{lines} Resource

- Update of CHEMICAL_ELEMENT parameter definition in document :

"Atom can be specified exactly by symbol. Molecules can be specified by conventional molecular name (CO2, CH4 …) which might no be unique."

- Recommended search pattern when looking for data related to a given species :
    - query species resource to get list of species (with names)
    - use found name to query the line resource

{lines} Resource

- Question : should we introduce a INCHIKEY parameter (or accept INCHIKEY value in CHEMICAL_ELEMENT) ?

- INCHIKEY is a hash of an inchi description of a Species

Example for Ozone molecule :

- Inchi : 1S/O3/c1-3-2
- Inchikey : CBENFWSGALASAD-UHFFFAOYSA-N

- advantage : more precise than molecular name to do a query
- but : data producer should provide inchikey for their species (not always trivial) and probably update their Dbs (already done for VAMDC services)

Next step

- Presentation of Simple Spectral Lines Data Model in DM session
- Submission of document to WG