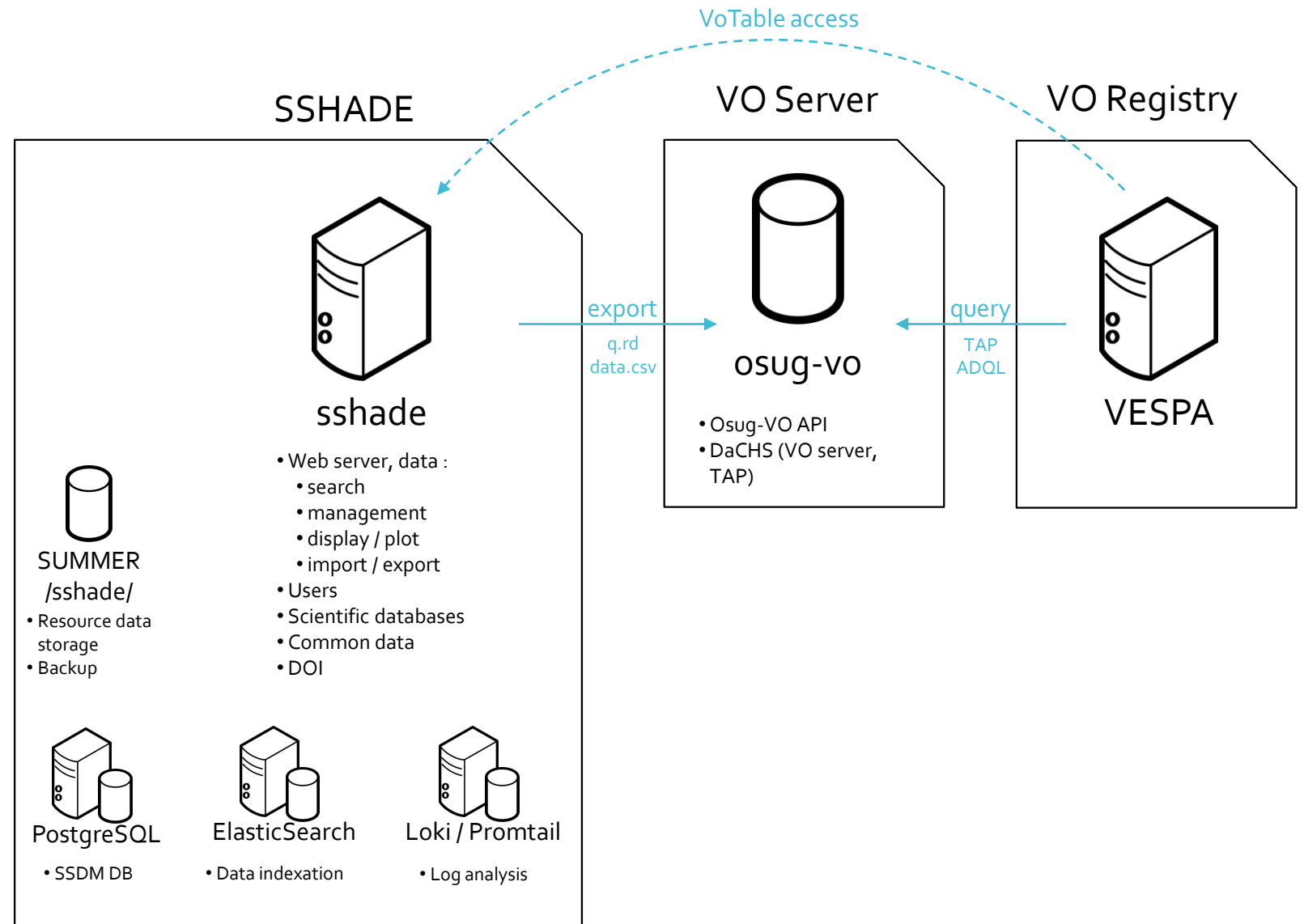


# SSHAE Bandlist VO

ASOV 2025

# Architecture





# Custom columns

```
# optional
access_url
access_format
access_estsize
access_md5
thumbnail_url
bib_reference
internal_reference
band_category
external_link
file_name
target_region
feature_name
alt_target_name
species
time_origin
time_scale
waveband
spatial_coordinate_description
target_distance_min
target_distance_max
```

```
• # custom
producer_name
producer_institute
sample_desc
sample_classification
sample_id
spectrum_type
azimuth_min
azimuth_max
data_calibration_desc
grain_size_min
grain_size_max
geometry_type
measurement_atmosphere
temperature
pressure
species_name
species_inchikey
setup_desc
filter
```

# VESPA Query

Spectral ^

Data range

Data range intersects

Spectral Resolution Min

Spectral Resolution Max

Unit

cm<sup>-1</sup>

Spectral Range Min

100

Spectral Range Max

200

BANDLIST_ABS_N2_beta-N2	bl		
BANDLIST_ABS_N2_alpha-N2	bl		
BANDLIST_ABS_HC3N_HC3N-I	bl		
BANDLIST_ABS_H2O_H2O-Ih	bl		
BANDLIST_ABS_Calcite	bl		

Showing 1 to 41 of 41 entries

Show 50 entries

Data Selection
Metadata Selection
All Data
All Metadata

```
SELECT * FROM sshade_bandlist.epn_core WHERE spectral_range_max >= 5995849160000.0 AND spectral_range_min <= 2997924580000.0
```

## SSHAD bandlist - SSHAD bandlist library v

Tabular View

Gallery View

Column visibility

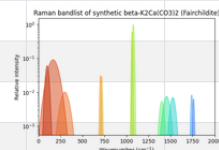
Show all

Reset columns

Select All in current page

Reset Selection

granule_uid	dataproduct_type	target_name	time_min (d)	time_max (d)	access_url	spectral_range_min (cm <sup>-1</sup> )	spectral_range_max (cm <sup>-1</sup> )
BANDLIST_RAMAN_beta_K2CaCO3-2	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	50	1800
BANDLIST_RAMAN_alpha_Na2CaCO3-2.2	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	50	1800
BANDLIST_RAMAN_alpha_K2CaCO3-2	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	50	1800
BANDLIST_RAMAN_Vaterite	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	100	1800
BANDLIST_RAMAN_Shortite	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	90	1300
BANDLIST_RAMAN_Nyerereite	bl				<a href="https://www.sshade.e...">https://www.sshade.e...</a>	80	1200



# VESPA Query

Other ^

sample\_classification

LIKE CO

×

+

Reset Submit

Showing 1 to 37 of 37 entries

Show 50 entries

Data Selection Metadata Selection All Data All Metadata

```
SELECT * FROM sshade_bandlist.epn_core WHERE "sample_classification" LIKE '%CO%'
```

## SSHAD bandlist - SSHAD bandlist library

Tabular View Gallery View

Column visibility Show all Reset columns Select All in current page Reset Selection

external_link	sample_classification	sample_desc
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	molecular solid#inorganic molecular solid#crystalline#Carbon dioxide ice#CO2	CO2 - phase I
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	molecular solid#inorganic molecular solid#crystalline#alpha Carbon Monoxide#CO	CO - phase alpha
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	mineral#carbonate#crystalline#Aragonite#05.AB.15#anhydrous carbonates#14.01.03.01#Calcium carbonate; Ca carbonate#CaCO3	Aragonite
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	mineral#carbonate#crystalline#Magnesite#05.AB.05#anhydrous carbonates#14.01.01.02#Magnesium carbonate; Mg carbonate#MgCO3	Magnesite
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	molecular solid#inorganic molecular solid#crystalline#Carbon dioxide ice#CO2	CO2 - phase I
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	molecular solid#inorganic molecular solid#crystalline#alpha Carbon Monoxide#CO	CO - phase alpha
<a href="https://www.sshade.e...">https://www.sshade.e...</a>	mineral#carbonate#crystalline#Rhodochrosite#05.AB.05#anhydrous carbonates#14.01.01.04#Manganese carbonate; Mn carbonate#MnCO3	Rhodochrosite

# Source Bandlist vs. TOPCAT

Raman bandlist of synthetic beta-K<sub>2</sub>Ca(CO<sub>3</sub>)<sub>2</sub> (Fairchildite)

