

Thesaurus Broker (RDA project)

lead by B. Ritschel (Potsdam): <http://wdcosf.kugi.kyoto-u.ac.jp>

The screenshot shows a web browser window displaying the website wdcosf.kugi.kyoto-u.ac.jp. The page features a blue header with the logo of the Helmholtz Centre for Space Research (GFZ) and the text "World Data System Vocabulary Broker - Proof of Concept" and "Linking Research Data". Below the header is a navigation menu with links to Home, GCMD Keywords, SPASE Keywords, ESPAS Keywords, and UAT Keywords. The main content area displays a blog post titled "Japanese version of DBpedia abstracts added", submitted by wdcosf on Mon, 04/10/2017 - 18:00. The post text states: "As a slight improvement japanese translations of available DBpedia abstracts were added for the vocabulary terms as well as the source for those abstracts. See e.g. <http://wdcosf.kugi.kyoto-u.ac.jp/resources/spase-heliosphere/>". To the right of the post are links for "Read more", "wdcosf's blog", and "Add new comment". Below this is another blog post titled "Update of Search Results page", submitted by wdcosf on Fri, 08/26/2016 - 19:55. The text describes modifications to the search results presentation, including showing context information like the keyword scheme and definitions. A "Recent blog posts" sidebar on the right lists several updates, including the Japanese version of DBpedia abstracts added, and provides a "More" link. At the bottom, a third blog post titled "Integration of UAT vocabulary" is partially visible, mentioning the Unified Astronomy Thesaurus and its application in space climate domains.



World Data System Vocabulary Broker - Proof of Concept

Linking Research Data

- ### SPASE
- [SPASE Access Rights](#)
 - [SPASE Annotation Type](#)
 - [SPASE Association Type](#)
 - [SPASE Availability](#)
 - [SPASE Classification Method](#)
 - [SPASE Confidence Rating](#)
 - [SPASE Coordinate Representation](#)
 - [SPASE Coordinate System Name](#)
 - [SPASE Display Type](#)
 - [SPASE Document Type](#)
 - [SPASE Encoding](#)
 - [SPASE Field Quantity](#)
 - [SPASE Format](#)
 - [SPASE Hash Function](#)
 - [SPASE Instrument Type](#)
 - [SPASE Measurement Type](#)
 - [SPASE Mixed Quantity](#)
 - [SPASE Observatory Region](#)
 - [SPASE Observed Region](#)
 - [SPASE Particle Quantity](#)
 - [SPASE Particle Type](#)
 - [SPASE Phenomenon Type](#)
 - [SPASE Processing Level](#)
 - [SPASE Qualifier](#)

Heliosphere

prefLabel	<ul style="list-style-type: none"> • Heliosphere
definition	<ul style="list-style-type: none"> • The solar atmosphere extending roughly from the outer corona to the edge of the solar plasma at the heliopause separating primarily solar plasma from interstellar plasma. Allowed Values: Heliosheath Inner Near Earth Outer Remote 1AU
topConceptOf	<ul style="list-style-type: none"> • SPASE Observed Region • SPASE Observatory Region
narrower	<ul style="list-style-type: none"> • Remote 1AU • Outer • Near Earth • Inner • Heliosheath
inScheme	<ul style="list-style-type: none"> • SPASE Observed Region • SPASE Observatory Region
closeMatch	<ul style="list-style-type: none"> • Heliosphere • Heliosphere

Experimental: The heliosphere is the bubble-like region of space dominated by the Sun, which extends far beyond the orbit of Pluto. Plasma "blown" out from the Sun, known as the solar wind, creates and maintains this bubble against the outside pressure of the interstellar medium, the hydrogen and helium gas that

Concept Search

Enter your keyword:

- ### Recent blog posts
- [Japanese version of DBpedia abstracts added](#)
 - [Update of Search Results page](#)
 - [Integration of UAT vocabulary](#)
 - [Update of GCMD Keywords](#)
 - [Feasibility test: Integration of context-sensitive SPARQL query to DBpedia](#)
- [More](#)

- ### UAT
- [Astrophysical processes](#)
 - [Cosmology](#)
 - [Exoplanet astronomy](#)
 - [Galactic and extragalactic astronomy](#)
 - [High energy astrophysics](#)
 - [Interdisciplinary astronomy](#)
 - [Interstellar medium](#)
 - [Observational astronomy](#)
 - [Solar astronomy](#)
 - [Solar system astronomy](#)
 - [Stellar astronomy](#)

Heliosphere

prefLabel	• Heliosphere
related	• Astrosphere interstellar medium interactions
narrower	<ul style="list-style-type: none"> • Termination shock • Stellar bow shocks • Heliosheath • Heliopause
inScheme	• UAT Keywords
closeMatch	<ul style="list-style-type: none"> • Heliosphere • Heliosphere
broader	<ul style="list-style-type: none"> • Stellar wind bubbles • Solar system

Experimental: on the fly from DBPedia

The heliosphere is the bubble-like region of space dominated by the Sun, which extends far beyond the orbit of Pluto. Plasma "blown" out from the Sun, known as the solar wind, creates and maintains this bubble against the outside pressure of the interstellar medium, the hydrogen and helium gas that permeates the Milky Way Galaxy. The solar wind flows outward from the Sun until encountering the termination shock, where motion slows abruptly. The Voyager spacecraft have actively explored the outer reaches of the heliosphere, passing through the shock and entering the heliosheath, a transitional region which is in turn bounded by the outermost edge of the heliosphere, called the heliopause. The overall shape of the heliosphere is controlled by the interstellar medium through which it is traveling, as

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- ### ESPAS
- [ESPAS Component](#)
 - [ESPAS Composite Observed Property](#)
 - [ESPAS CompressedRepresentation](#)
 - [ESPAS Computation Type](#)
 - [ESPAS Coordinate Reference System](#)
 - [ESPAS Dimensionality Instance](#)
 - [ESPAS Dimensionality Timeline](#)
 - [ESPAS Feature of Interest](#)
 - [ESPAS Instrument Type](#)
 - [ESPAS Interaction](#)
 - [ESPAS Licence](#)
 - [ESPAS Measurand](#)
 - [ESPAS Observed Property](#)
 - [ESPAS Phenomenon](#)
 - [ESPAS Platform Type](#)
 - [ESPAS Projection](#)
 - [ESPAS Propagation Mode](#)
 - [ESPAS Qualifier](#)
 - [ESPAS Related Observation Role](#)
 - [ESPAS Related Party Role](#)
 - [ESPAS Result Accumulation](#)

Heliosphere

prefLabel	• Heliosphere
topConceptOf	• ESPAS Feature of Interest
narrower	• Remote IAU Heliosphere • Outer Heliosphere • Near Earth Heliosphere • Inner Heliosphere
inScheme	• ESPAS Feature of Interest
closeMatch	• Heliosphere • Heliosphere

Experimental: on the fly from DBPedia

The heliosphere is the bubble-like region of space dominated by the Sun, which extends far beyond the orbit of Pluto. Plasma "blown" out from the Sun, known as the solar wind, creates and maintains this bubble against the outside pressure of the interstellar medium, the hydrogen and helium gas that permeates the Milky Way Galaxy. The solar wind flows outward from the Sun until encountering the termination shock, where motion slows abruptly. The Voyager spacecraft have actively explored the outer reaches of the heliosphere, passing through the shock and entering the heliosheath, a transitional region which is in turn bounded by the outermost edge of the heliosphere, called the heliopause. The overall shape of the heliosphere is controlled by the interstellar medium through which it is traveling, as well as the Sun, and does not appear to be perfectly spherical. The limited data available and unexplored nature of these structures have resulted in many theories. On September 12, 2013, NASA announced that Voyager 1 had exited the heliosphere on August 25, 2012, when it measured a sudden increase in

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