

# HPDE Assets

(SPASE, Metadata, IHDEA, HAPI)

Revised: 2021-Nov-18

## Web sites:

---

### spase-group.org

Host location: Github.com  
Host platform: Static pages  
Domain Registration: domain.com under Todd's account  
Domain Expiration: 2026-07-07  
Source location: <https://github.com/spase-group/website>  
Build process: Run "grunt" in home directory, folder "docs" shared to github.io.  
Administrator: Todd  
Site Role: All information about SPASE, location of information model spec.

### ihdea.net

Host location: Github.com  
Host platform: Static pages  
Domain Registration: domain.com under Todd's account  
Domain Expiration: 2023-10-20  
Source location: <https://github.com/IHDE-Alliance/ihde-alliance.github.io>  
Build process: Repo shared to github.io.  
Administrator: Todd  
Site Role: All information about IHDEA.

### spase.info (Deprecated - no longer maintained)

Host location: UCLA/IGPP  
Host platform: Tomcat 7 on metal  
Domain Registration: joker.com. I think Ed Bell created the original registration.  
Domain Expiration: 2023-09-14  
Source location: <https://github.com/IHDE-Alliance/ihde-alliance.github.io>  
Administrator: Todd  
Site Role: Public registry of SPASE metadata and landing pages for DOI.

### hpde.io

Host location: Github.com  
Host platform: Static pages  
Domain Registration: domain.com under Todd's account  
Domain Expiration: 2025-06-24  
Source location: <https://github.com/hpde/hpde.io>  
Build process: Repo shared to github.io. Pages generated with the tools in <https://github.com/spase-group/spase-generate-pages>  
Administrator: Todd  
Site Role: Public registry of SPASE metadata and landing pages for DOI.

Hapi-server.org  
Host location: Github.com  
Host platform: Static pages  
Domain Registration: godaddy.com. I think Jeremy Faden created the original registration.  
Domain Expiration: 2024-05-16  
Source location: <https://github.com/hapi-server>  
Administrator: Jon/Jeremy  
Site Role: All information about HAPI server spec.

## Mailing lists

---

hapi-dev  
Host location: groups.io  
URL location: <https://groups.io/g/hapi-dev/topics>  
Administrator: Todd  
List Role: Information related to the development of the HAPI spec.

hapi-news  
Host location: groups.io  
URL location: <https://groups.io/g/hapi-news/topics>  
Administrator: Todd  
List Role: Public announcements.

hpde-repo  
Host location: groups.io  
URL location: <https://groups.io/g/hpde-repo/topics>  
Administrator: Todd  
List Role: Information from GitHub actions performed on repos.

ihdea-dev  
Host location: groups.io  
URL location: <https://groups.io/g/ihdea-dev/topics>  
Administrator: Todd  
List Role: Information related to IHDEA development.

ihdea-executive  
Host location: groups.io  
URL location: <https://groups.io/g/ihdea-executive/topics>  
Administrator: Todd  
List Role: Notices and discussion for the IHDEA executive board.

ihdea-member  
Host location: groups.io  
URL location: <https://groups.io/g/ihdea-member/topics>  
Administrator: Todd

List Role: Notices for IHDEA members.

#### ihdea-news

Host location: groups.io  
URL location: <https://groups.io/g/ihdea-news/topics>  
Administrator: Todd  
List Role: Public announcements.

#### spase

Host location: groups.io  
URL location: <https://groups.io/g/spase/topics>  
Administrator: Todd  
List Role: Information related to the development of the SPASE information model.

## SPASE web tools

---

#### Validator

URL location: <http://spase-group.org/tools/validate/>  
Host platform: Tomcat 7 on metal  
Language: Java and JSP  
Source location: <https://github.com/spase-group/registry-services>  
Administrator: Todd

#### Model spec document generator

Host platform: Command line (Windows or Linux)  
Language: Node.js  
Source location: <https://github.com/spase-group/spase-model-tools-node>  
Administrator: Todd

#### Model spec document generator (deprecated)

Host platform: Command line (Windows or Linux)  
Language: Java and SQL  
Source location: <https://github.com/spase-group/spase-model-tools>  
Administrator: Todd

#### Metadata editor (SMWT)

URL location: <http://spase-group.org/tools/validate/>  
Host platform: LAMP web server in a container.  
Language: HTML/Javascript and PHP  
Source location: IGPP internal Gitlab ([git.igpp.ucla.edu/spase/xmleditor](http://git.igpp.ucla.edu/spase/xmleditor))  
Administrator: Todd

#### Schema (Deprected)

URL location: <http://spase-group.org/tools/model/schema/>  
Host platform: Tomcat 7 on metal

Language: XML Schema  
Source location: IGPP internal Gitlab (git.igpp.ucla.edu/spase/website2)  
Administrator: Todd

#### Registry explorer (Deprecated)

URL location: <http://spase-group.org/smwg/explorer/> (tree)  
<http://spase-group.org/registry/explorer/> (tree)  
<http://spase.info> (responsive and landing pages)  
Host platform: Tomcat 7 on metal  
Language: Java  
Source location: <https://github.com/spase-group/registry-services>  
Administrator: Todd

#### SPASE School (put in SPASE editor context? Rethink? Videos?)

URL location: <http://spase-group.org/school/>  
Host platform: HTML/Javascript static pages  
Language: XML Schema  
Source location: <https://github.com/spase-group/spase-school>  
Administrator: Todd

## NPM packages

---

### spase-resource-tools

Description: Tools to validate and scan SPASE metadata.  
Install: npm install -g spase-resource-tools  
Administrator: Todd  
Contents:

**spase-collate** : Separate each SPASE resource description in a file into a separate file stored in a folder tree according to the Resource ID.

**spase-refcheck** : Check resource identifiers and URLs for referential integrity.

**spase-validate** : Validate a SPASE resource description using a specified version of the data dictionary (XML schema).

**spase-tree** : List the file tree. Optionally list only files with a given extension.

**spase-update-authority** : Change the control authority in the ResourceID, add a PriorID and update ReleaseDate.

**spase-doi-ref** : Extract reference information in CSV format from a SPASE resource description.

**spase-doi-request** : Extract information from a SPASE resource description and generate a DataCite formatted DOI request that can be submitted through EZID web service API.

**spase-list-elem** : List an element value in an XML document.

**spase-restamp** : Update the to the current data and time.

**spase-pretty** : Make a pretty XML file by formatting the XML file with indentation and wrapping.

**spase-transform** : Transform a SPASE description in XML using an XML Stylesheet.

#### spase-model-tools

Description: Tools to generate information model PDF, JSON and XSD files.

Install: npm install -g spase-model-tools

Administrator: Todd

Contents:

**spase-model-xsd** : Generate the XML schema document to match the information model specification.

**spase-model-json** : Generate the JSON data files to match the information model specification.

**spase-model-pdf** : Generate PDF documentation for the information model.

## Documents (Conventions)

---

Source Location: Todd's desktop. PDF versions included in SPASE website repository.

#### Parameter Key Formation for Plain Text Data

Describes Parameter Key formation rules for describing simple tabular plain text files.

#### Data Model Version Numbers

Describes how versions numbers are assigned to each instance of the SPASE Data Model.

#### Resource ID Formation Rule

A common convention for the formation of resource identifiers used in a SPASE resource description.

#### Text Normalization and Mark-up

Describe how to normalize and mark-up text in a SPASE resource description to define a desired layout or format.

#### Heliophysics Event List (Catalogue) Format

Describes the Heliophysics Event List format which is a plain text data format with metadata embedded in comments.

## Model Specification

---

#### HTML

<http://spase-group.org/data/model/>

Source: Generated and bundled in web site repository

#### PDF

<http://spase-group.org/docs/dictionary/>

Source: Generated and bundled in web site repository

## Social Media Accounts

---

Youtube: [spase@igpp.ucla.edu](mailto:spase@igpp.ucla.edu)

Google: [spase@igpp.ucla.edu](mailto:spase@igpp.ucla.edu)

Twitter: [spase@igpp.ucla.edu](mailto:spase@igpp.ucla.edu)

## Github Organizations/Repositories

---

### IHDEA-Alliance (organization)



International Heliophysics Data Environment Alliance

Owner: Todd

[ihde-alliance.github.io](https://ihde-alliance.github.io)

IHDEA website

JavaScript  Apache-2.0  0  0  0  0 Updated on Mar 26

### HAPI (organization)



Heliophysics Application Programmer's Interface (HAPI) specification for a set of services to enable access to data and metadata.

Owner: Todd

[client-python](#)

Python client for HAPI

Python  BSD-3-Clause  3  7  2  0 Updated 6 days ago

## server-nodejs

General-use HAPI server front-end implemented in node.js.

JavaScript  MIT  0  0  3  1 Updated 6 days ago

---

## plotserver-python

Serve plots from a HAPI server using the hapiplot function in <http://github.com/hapi-server/client-python>

Python  BSD-3-Clause  0  0  0  0 Updated 7 days ago

---

## verifier-nodejs





HAPI Server Verifier using node.js and JSON Schema

JavaScript  MIT  1  0  1  1 Updated 7 days ago

---

## client-java

Java client for accessing HAPI servers.

Java  0  0  1  0 Updated 9 days ago

## client-matlab

MATLAB client for accessing HAPI data

MATLAB  0  0  0  0 Updated 17 days ago

---

## hapi-server.github.io

dedicated repo with specific name required for holding GitHub pages

CSS  0  1  0  0 Updated on Apr 27

---

## data-specification

HAPI Data Access Specification

 4  8  15  0 Updated on Apr 27

---

---

## servers

Catalogs of known HAPI servers

 1  0  1  0 Updated on Aug 26, 2019

---

## client-python-notebooks





Demonstration notebooks for the client-python project

Jupyter Notebook  0  0  0  0 Updated on May 21, 2019

---

## cache-tools

A collection of tools for reading, writing, and managing a cache of HAPI responses

Python  0  0  0  0 Updated on May 7, 2019

---

## uri-templates

Repository of tools for URI templates

 0  0  1  0 Updated on May 1, 2019





---

## client-javascript

A HAPI client implemented in Javascript

## server-python

simple server written in Python, to support Raspberry Pi

Python  0  0  0  0 Updated on Jun 5, 2018

---

## client-idl

IDL client for obtaining data from a HAPI server

IDL  0  0  0  0 Updated on Dec 6, 2017

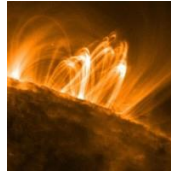
---



## verifier-java

Java code for verifying HAPI servers

Java  0  0  0  0 Updated on Aug 14, 2017



## hpde (organization)

---

Heliophysics Data Environment (HPDE) Metadata

Owner: Jan Merka with Todd as an admin

### Metadata

#### ASWS

SPASE resource descriptions with ASWS naming authority.

#### CCMC

SPASE resource descriptions with CCMC naming authority.

#### CNES

SPASE resource descriptions with CNES naming authority.

#### CSSDP

SPASE resource descriptions with CSSDP naming authority.

#### Deprecated

Resource descriptions that have been superseded.

#### DLR

SPASE resource descriptions with the Deutsches Zentrum für Luft- und Raumfahrt (DLR) naming authority.

#### ESA

SPASE resource descriptions with ESA naming authority.

#### FMI

Finish Meteorological Institute

## [GBO](#)

SPASE descriptions from Ground Based Observatory.

## [INAF](#)

SPASE resource descriptions with INAF naming authority.

## [INSU](#)

SPASE resource descriptions with INSU naming authority.

## [ISWI](#)

SPASE resource descriptions with ISWI naming authority.

## [JAXA](#)

SPASE resource descriptions with JAXA naming authority.

## [KASI](#)

SPASE resource descriptions with KASI naming authority.

## [NASA](#)

SPASE resource descriptions with the NASA naming authority.

## [NOAA](#)

Resource descriptions with NOAA IDs in SPASE metadata format

## [NSF](#)

SPASE resource descriptions with NSF naming authority.

## [SMWG](#)

SPASE resource descriptions with SMWG naming authority.

## [Quarantined](#)

Resource descriptions that have broken links to data which its location has become unknown.

## [Documents and web sites](#)

### [documents \(private\)](#)

HPDE specifications, recommendations and related documents.

### [hpde.io](#)

Landing pages for registered SPASE descriptions.

### [website](#)

HPDE website.

## [Archived \(obsolete\) repositories](#)

### [spase-VWO](#)

Heliophysics resource descriptions with VWO IDs in SPASE metadata format

### [spase-VMO](#)

Heliophysics resource descriptions with VMO IDs in SPASE metadata format

### [spase-ViRBO](#)

Heliophysics resource descriptions with ViRBO IDs in SPASE metadata format

### [spase-VHO](#)

Heliophysics resource descriptions with VHO IDs in SPASE metadata format

### [spase-VEPO](#)

Heliophysics resource descriptions with VEPO IDs in SPASE metadata format

### [spase-VSPO](#)

SPASE resource descriptions with VSPO naming authority.



## [spase-group \(organization\)](#)

---

Space Physics Archive Search and Extract (SPASE) specifications, software and tools.

Owner: Todd

### [registry-services \(inactive\)](#)

Servlets to provide a SPASE compliant registry services packaged as a deployable web application.

### [resource-tools \(inactive\)](#)

Collection of tools for processing and using SPASE description and SPASE services.

### [resource-tools-node](#)

A collection of tools for working with SPASE resource descriptions.

### [spase-base-model](#)

Specification for the SPASE base information model.

## [spase-generate-pages](#)

Tools to build the static spase.info web site.

## [spase-info \(inactive\)](#)

Landing pages for registered SPASE descriptions.

## [spase-model-search](#)

A browser based tool to search and explore an information model.

## [spase-model-tools \(inactive\)](#)

Tools to generate usable expressions (i.e. XSD) of a data model specification.

## [spase-model-tools-node](#)

Tools to generate documentation from a SPASE data model specification.

## [spase-school](#)

Tutorials on using the SPASE information model and supporting tools.

## [spase-sim-model](#)

Simulation extensions to the SPASE information model.

## [validate-service](#)

Stand alone SPASE metadata validator.

## [website](#)

SPASE website (spase-group.org)