

# 3d Brain Atlas Reconstructor on-line service

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## Available services

### getCafInfo

Returns the index file of selected CAF dataset. Index file contains list of structures available for reconstruction, their hierarchy and list of slides within given dataset.

#### Examples

- [http://service.3dbar.org/getCafInfo?cafDatasetName=whs\\_0.51](http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51)
- [http://service.3dbar.org/getCafInfo?cafDatasetName=whs\\_0.51;listSlides=False;listStructures=False](http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51;listSlides=False;listStructures=False)

### getReconstruction

Returns a model of a given structure from selected dataset as a zip file containing the reconstruction and short description.

#### Examples

- [http://service.3dbar.org/getReconstruction?cafDatasetName=whs\\_0.51;structureName=thalamus](http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus)
- [http://service.3dbar.org/getReconstruction?cafDatasetName=whs\\_0.51;structureName=thalamus;qualityPreset=high](http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus;qualityPreset=high)

### getPreview

Displays a preview of low resolution model of a given structure from selected dataset. The preview can be easily manipulated (e.g. rotated, zoomed etc.).

The web browser has to support [http://en.wikipedia.org/wiki/WebGL\\_X3DOM](http://en.wikipedia.org/wiki/WebGL_X3DOM) in order to display the preview.

#### Examples

- [http://service.3dbar.org/getPreview?cafDatasetName=sba\\_WHS09&structureName=fi](http://service.3dbar.org/getPreview?cafDatasetName=sba_WHS09&structureName=fi)

### getThumbnail

Returns a thumbnail of the reconstruction of a given structure available via getReconstruction in png format.

#### Examples

- [http://service.3dbar.org/getThumbnail?cafDatasetName=whs\\_0.51;structureName=thalamus](http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=thalamus)

## **getCafSlide**

Returns a SVG image with CAF slide filtered by provided settings.

### **Examples**

- [http://service.3dbar.org/getCafSlide?cafDatasetName=whs\\_0.51;slideNumber=460](http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460)
- [http://service.3dbar.org/getCafSlide?cafDatasetName=whs\\_0.51;slideNumber=460;showMask=True;showLabels=False](http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showMask=True;showLabels=False)
- [http://service.3dbar.org/getCafSlide?cafDatasetName=whs\\_0.51;slideNumber=460;showLabels=False](http://service.3dbar.org/getCafSlide?cafDatasetName=whs_0.51;slideNumber=460;showLabels=False)

## **Available datasets**

sba\_WHS10

[http://service.3dbar.org/getCafInfo?cafDatasetName=sba\\_WHS10](http://service.3dbar.org/getCafInfo?cafDatasetName=sba_WHS10)

whs\_0.51

[http://service.3dbar.org/getCafInfo?cafDatasetName=whs\\_0.51](http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51)