

# 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 window allowing to manipulate (rotate, zoom, etc.) lightweight version of the reconstruction. Note that the web browser has to support WebGL in order to use this feature.

#### **Examples**

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

### **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)