

3d Brain Atlas Reconstructor on-line service

1. Available backend services
 1. [getAvailableDatasets](#)
 2. [getCafInfo](#)
 3. [getReconstruction](#)
 4. [getPreviewReconstruction](#)
 5. [getThumbnail](#)
 6. [getCafSlide](#)
 7. [queryReconstruction](#)
 8. [getReconstructionByKey](#)
 9. [getThumbnailByKey](#)
2. Available frontend services
 1. [getPreview](#)
 2. [getCafInfoPage](#)

Available backend services

[getAvailableDatasets](#)

Return AJAX data describing CAF datasets (atlases) available to the user in the service. [details](#)

Example

- <http://service.3dbar.org/getAvailableDatasets>

[getCafInfo](#)

Return the index file of selected CAF dataset. Index file contains the list of structures available for reconstruction, their hierarchy and the list of slides within the given dataset. [details](#)

Examples

- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51
- http://service.3dbar.org/getCafInfo?cafDatasetName=whs_0.51;listSlides=False;listStructures=False

[getReconstruction](#)

Return a model of a given structure from selected dataset as a zip file containing the reconstruction and a short description. [details](#)

Examples

- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus
- http://service.3dbar.org/getReconstruction?cafDatasetName=whs_0.51;structureName=thalamus;qualityPreset=high

getPreviewReconstruction

Return a lightweight model of a given structure from selected dataset as an x3d mesh. [details](#)

Examples

- http://service.3dbar.org/getPreviewReconstruction?cafDatasetName=whs_0.51;structureName=thalamus
- http://service.3dbar.org/getPreviewReconstruction?cafDatasetName=sba_DB08;structureName=Br

getThumbnail

Return a thumbnail of the reconstruction of a given structure available via `getReconstruction` in png format. [details](#)

Examples

- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=corpus-callosum
- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=thalamus
- http://service.3dbar.org/getThumbnail?cafDatasetName=whs_0.51;structureName=CNS
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_DB08;structureName=FL
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_DB08;structureName=LV
- http://service.3dbar.org/getThumbnail?cafDatasetName=sba_PHT00;structureName=Brain

getCafSlide

Return an SVG image with CAF slide filtered using provided settings. [details](#)

Examples

- 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;showLabels=False
- http://service.3dbar.org/getCafSlide?cafDatasetName=sba_DB08;slideNumber=84;structureList=Cx
- http://service.3dbar.org/getCafSlide?cafDatasetName=sba_DB08;slideNumber=84;structureList=Cx.Th

queryReconstruction

Return AJAX data describing reconstructions in the service matching the criteria. [details](#)

Examples

- http://service.3dbar.org/queryReconstruction?cafDatasetName=sba_DB08;structureList=Br;outputFormats=exportT
- http://service.3dbar.org/queryReconstruction?cafDatasetName=whs_0.6.1;structureList=Brain;outputFormats=exportT
- http://service.3dbar.org/queryReconstruction?cafDatasetName=sba_DB08;structureList=Amg;switches=brainoutline

getReconstructionByKey

Return reconstruction (stored in the service) of a given service identifier. [details](#)

Example

- <http://service.3dbar.org/getReconstructionByKey?id=26721>

getThumbnailByKey

Return a thumbnail of reconstruction (stored in the service) of a given service identifier in png format. [details](#)

Example

- <http://service.3dbar.org/getThumbnailByKey?id=12064>

Available frontend services

getPreview

Display a 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. [details](#)

Examples

- http://service.3dbar.org/getPreview?cafDatasetName=whs_0.51&structureName=CNS
- http://service.3dbar.org/getPreview?cafDatasetName=whs_0.5&structureName=Hc
- http://service.3dbar.org/getPreview?cafDatasetName=sba_DB08&structureName=FBr

getCafInfoPage

Display a window containing basic information about CAF dataset. [details](#)

Examples

- http://service.3dbar.org/getCafInfoPage?cafDatasetName=sba_DB08