3d Brain Atlas Reconstructor on-line service

Available backend services

getAvailableDatasets

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

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.

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.

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.

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.

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.

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=Fa
- 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.

Examples

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

getReconstructionByKey

Return reconstruction (stored in the service) of a given service identifier.

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.

Example

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

Availiable frontend services

getPreview

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

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.

Examples

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

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