3d Brain Atlas Reconstructor on-line service

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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=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. details

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. 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

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. 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