

BodyParts3D/Anatomography

3次元人体構造データベースと人体解剖図作成サービス

○藤枝香1、三橋信孝2、今井紫緒1、坊農秀雅1、大久保公策1
 1. 大学共同利用機関法人 情報・システム研究機構 ライフサイエンス統合データベースセンター
 2. 独立行政法人 科学技術振興機構 バイオサイエンスデータベースセンター

Service System

The diagram illustrates the Service System architecture. At the top, there are four service components: Recirculation by Wikimedia commons, publications, Interactive illustration, and Data mash-ups. Below them, a green bar labeled "Embedded images" and "Services of Third parties" spans the middle section. The central part shows the Application program interface (API) and Avatar creation server (Rendering server). On the left, "Static image File (animation file)" and "Polygon file download" are shown. On the right, "Embedded scripts" and "on-the-fly avatar image" are shown. A large blue arrow points downwards from the API to the Polygon datasets with ontology.

Data Status!

The screenshot shows the BodyParts3D application interface. On the left is a tree view of anatomical concepts. The main area displays a grid of anatomical images with corresponding FMA IDs and details. A green arrow points from the images to the "Anatomography server For avatar creation" section. This section includes a timeline from Aug.2010 to Aug.2011, a total download count of 631, and a "Total download" button. To the right is a sidebar with "Anatomography" and "Anatomography server For avatar creation" sections, and a "BodyParts3D Data" section with a human body map.

Toward 7000TA concepts
With FMA relations
FMA=The foundational Model anatomy ontology

1523 parts as of Oct. 2011

Creating Data!

The diagram shows the process of creating data. It starts with "Material 3D data" (represented by a 3D model of a heart) which feeds into a "3D Medical Artist" (a person working on a laptop). This artist uses "Model scanning" and "Instance data" (represented by a blue 3D model of a bone) to create "Canonical features". These features are then used in a "3D modeling system (FreeFormPlus)" (represented by a software interface).

Modeling
3D modeling system (FreeFormPlus)

For more Information!

DBCLS Database Center for Life Science

TextBook (Simple Sentence DB)

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