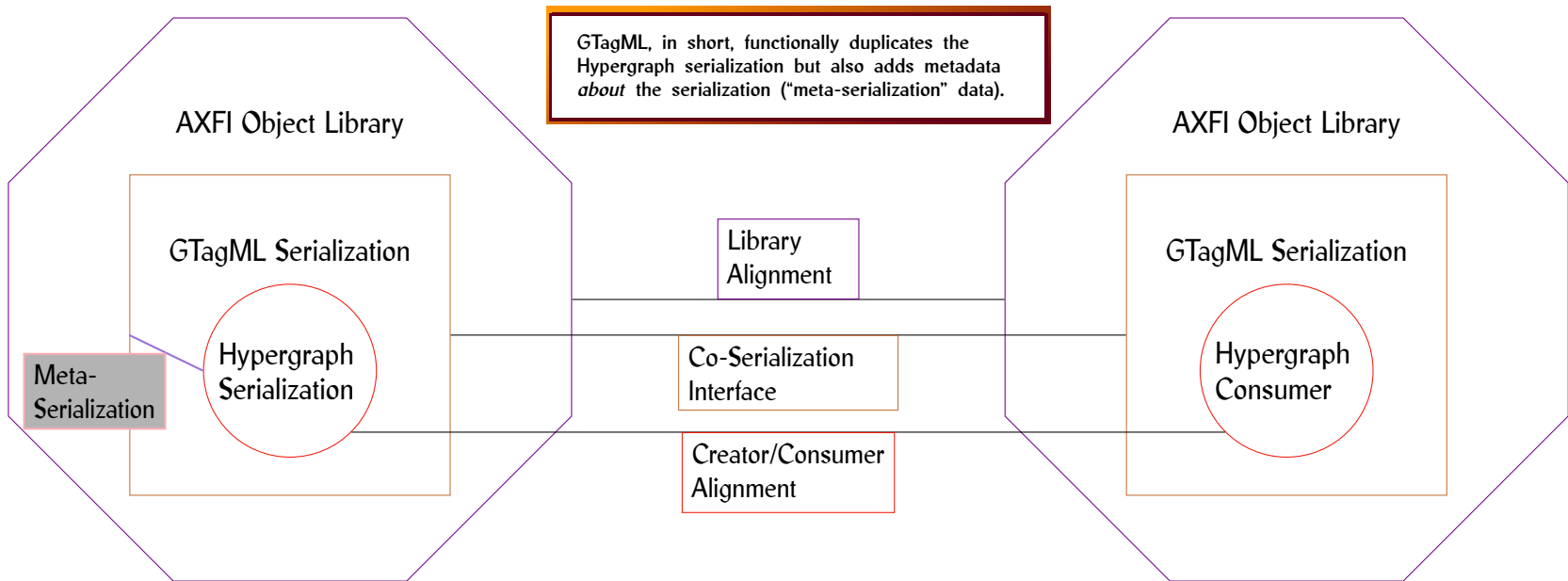


GTagML: “Grounded” TagML

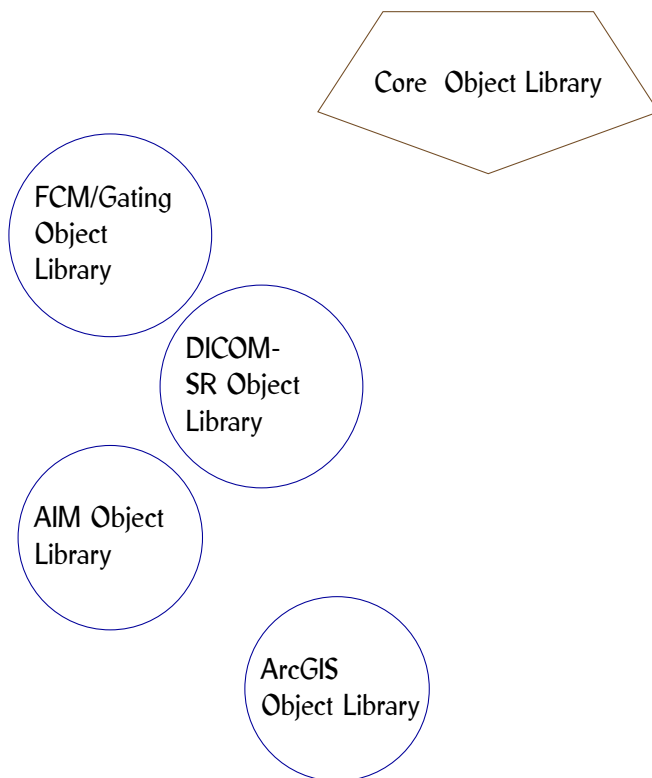
Creator/Consumer Alignment is enforced first by an object-sharing protocol using Hypograph-based serialization and then by GTagML serialization.

GTagML includes metadata identifying how GTagML nodes relate to data types, object instances, and procedures implemented in the Object Libraries.



AXFI Extended Object Libraries

AXFI extensions for domains such as Flow Cytometry, DICOM, and Geographic Information Systems leverage the GTagML/Hypergraph model while functionally emulating existing “reference” libraries.



A3R Applications as Research Objects

Complementary to A3R components which facilitate *obtaining* research or experimental data, A3R “Data-Set Applications” are also powerful tools for visualizing and analyzing research findings.

The screenshot displays the A3R Data-Set Applications interface. At the top, there are tabs for 'View', 'Instructions', 'Series Images', 'Languages', 'Code', 'Patient Info Summary', and 'Diagnostic Report Summary'. The 'View' tab is active. On the left, a vertical strip shows a series of thumbnail images. The main central area displays a large histological image of a cell with a prominent nucleus. A red arrow points to the nucleus. On the right, a vertical toolbar contains icons for 'Arrows', 'Comments', 'Lists', 'Arcs', and 'Rulers'. A text box with a red border is overlaid on the image, stating: 'Data-Set Applications are “Research Object Bundles” — combinations of code and data providing access to data sets without the need for external software.' At the bottom, there are controls for 'Silhouette Zoom' (a slider) and 'Image Transforms' (Pan, Zoom, Slide buttons). To the right of these are 'Annotations Transforms' (Pan, Rotate, Zoom buttons) and a 'Clear' button.

Data-Set Applications are “Research Object Bundles” — combinations of code and data providing access to data sets without the need for external software.

Silhouette Zoom: [Slider]

Image Transforms: Pan, Zoom, Slide

Annotations Transforms: Pan, Rotate, Zoom

Clear