

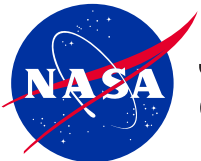
Export Control & AI Infrastructure

Maximilian Vierlboeck, Ph.D.

Systems Environment Lead and
AI Systems Product Owner

maximilian.vierlboeck@jpl.nasa.gov

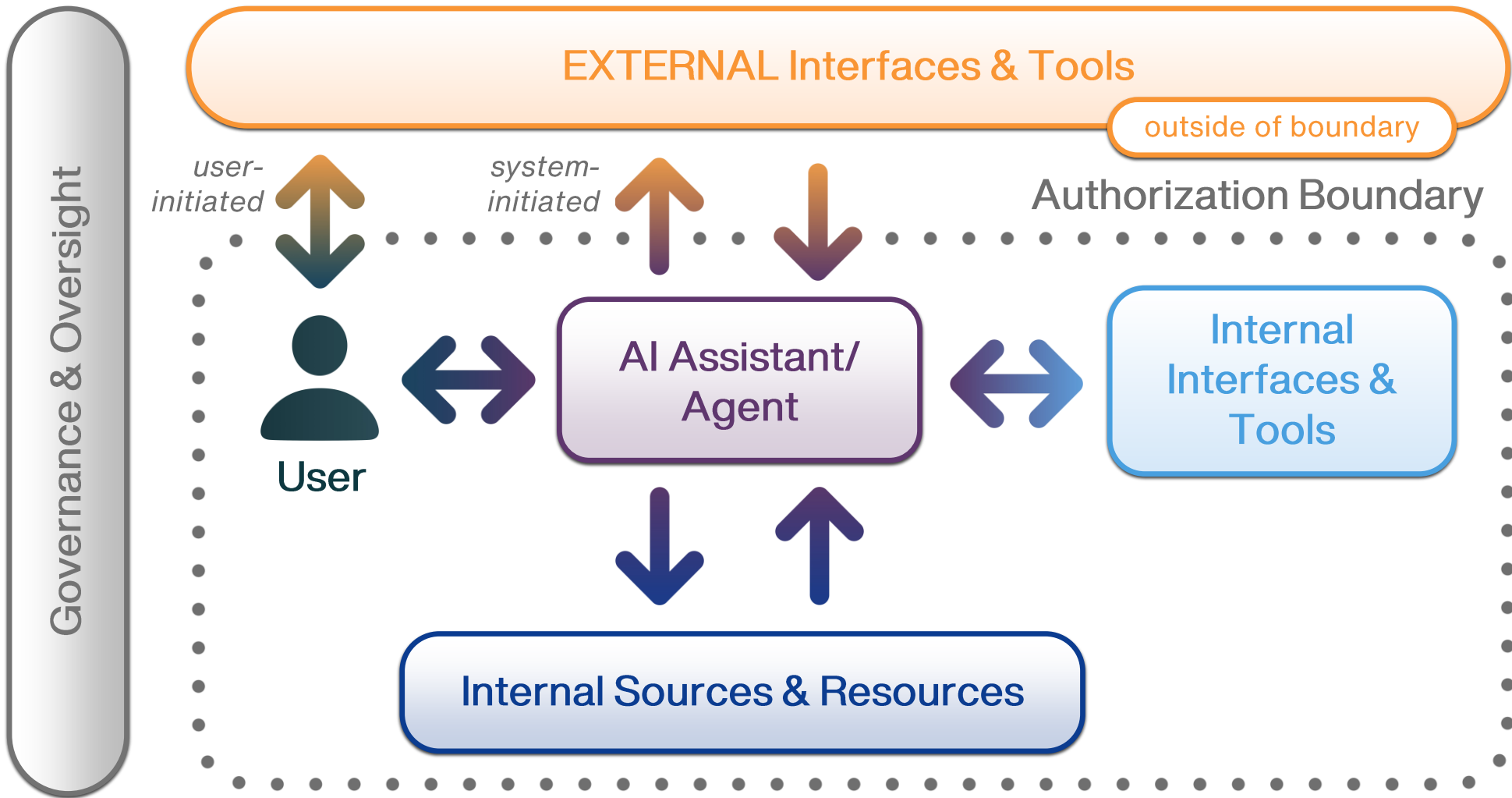
09/16/2026



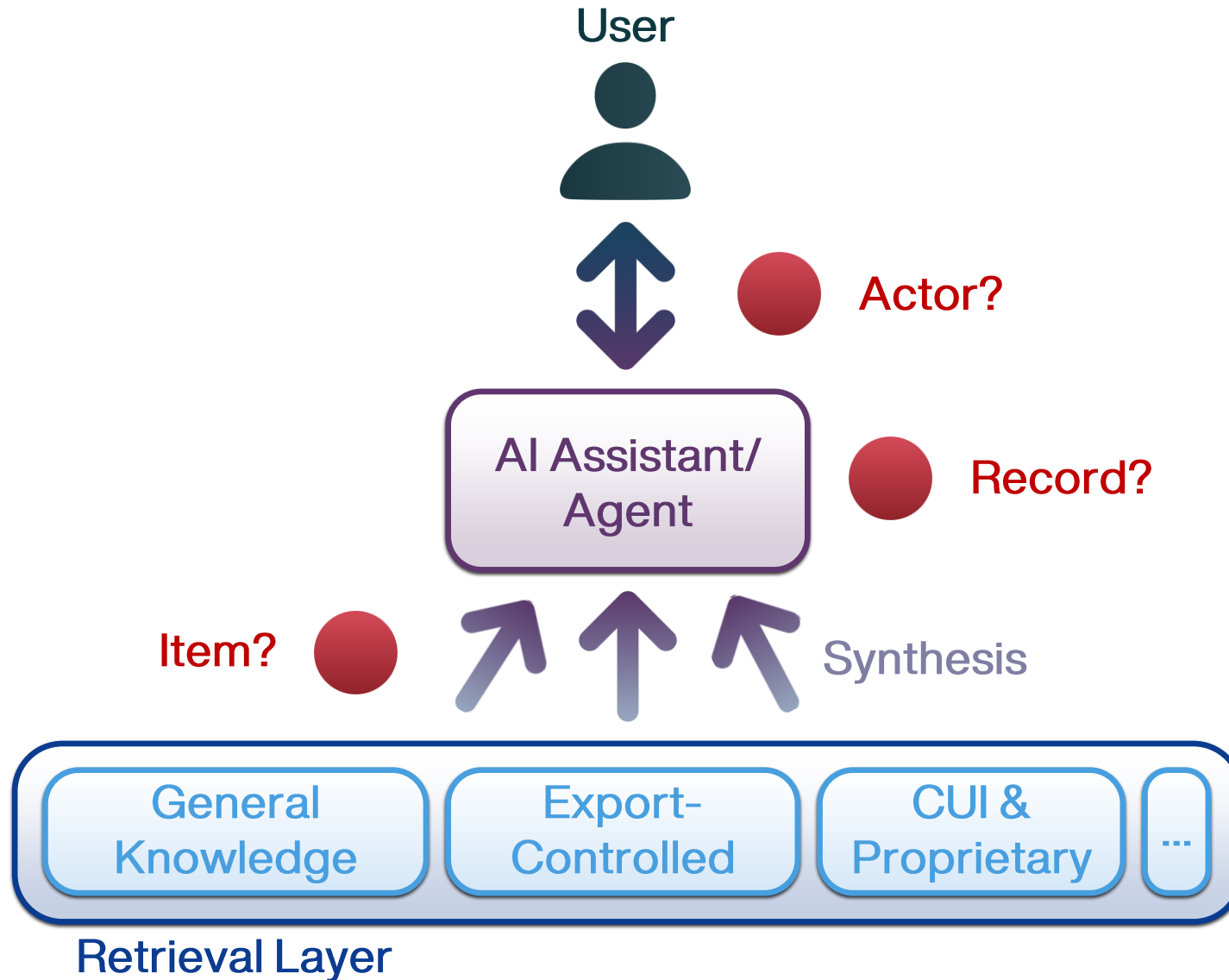
Jet Propulsion Laboratory
California Institute of Technology



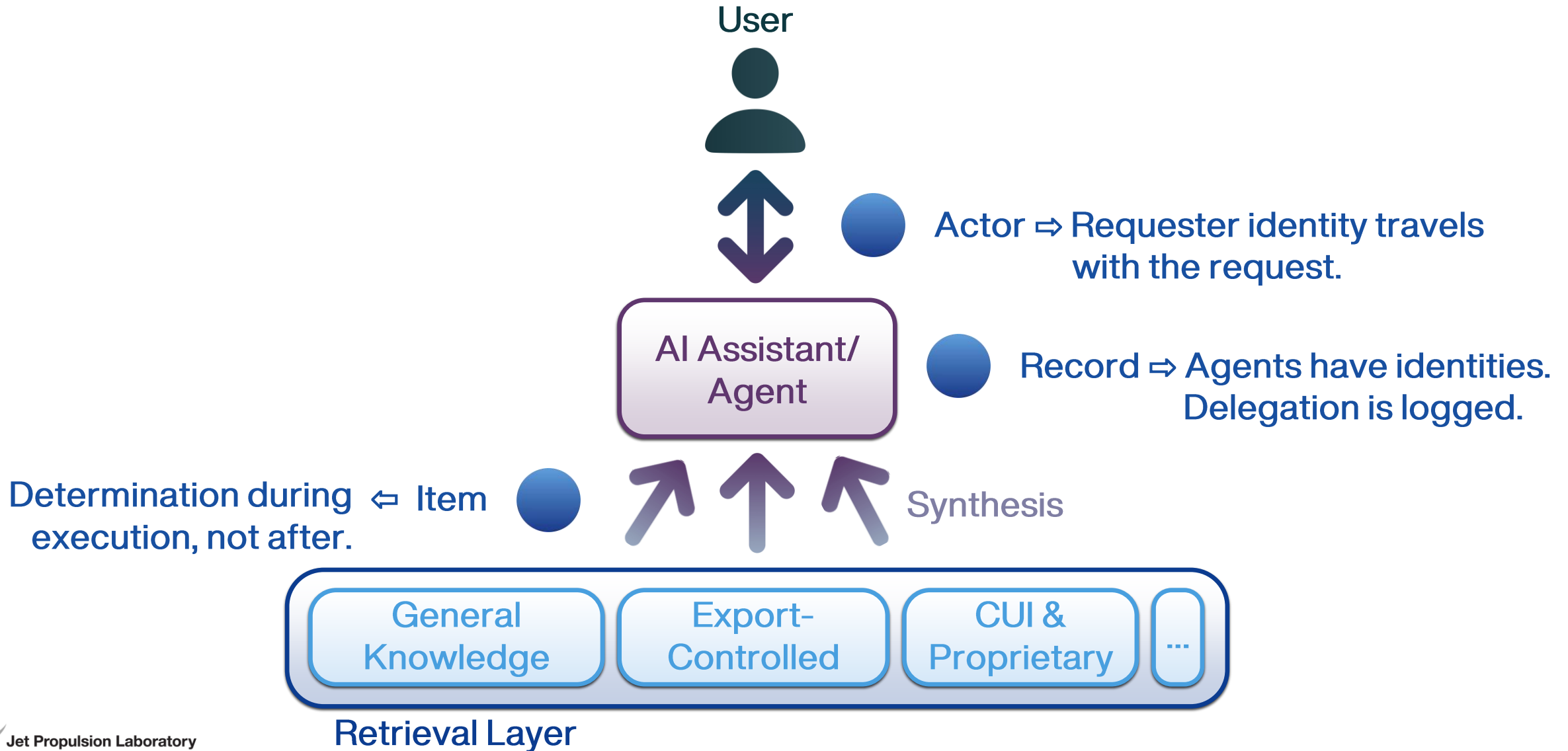
The Shape of an Enterprise AI Deployment



One Request, Three Questions



One Request, Three Answers



One Request, Three Answers

Compliance & verification evidence must be a product of the workflow, not a reconstruction of it.

User



Actor $\Rightarrow$ Requester identity travels with the request.



Record $\Rightarrow$ Agents have identities. Delegation is logged.

Determination during execution $\Leftrightarrow$ Item



Synthesis



Retrieval Layer