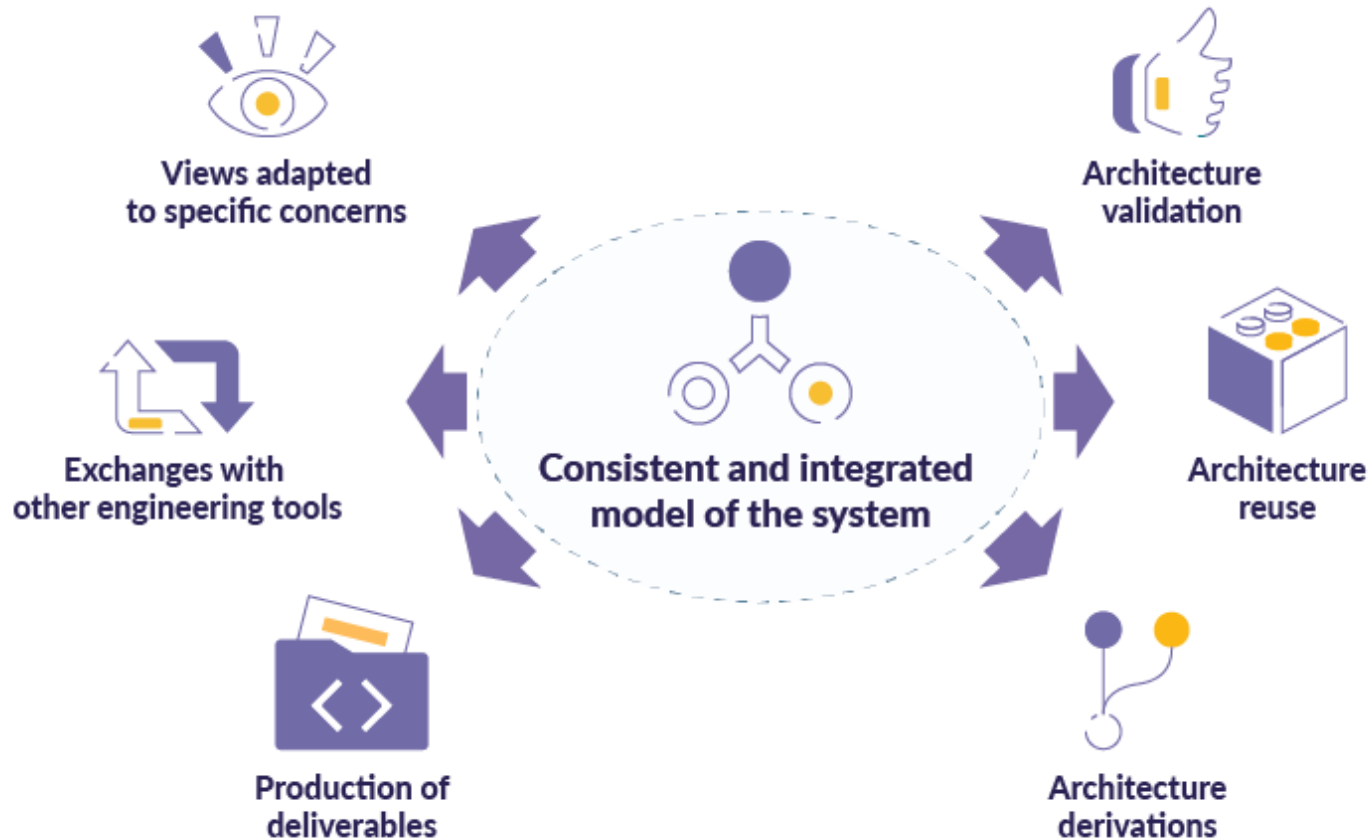


What is MBSE

DEFINITION *Source: INCOSE*



Model-Based Systems Engineering (MBSE)

is the formalized application of modelling:

- To support **system requirements, design, analysis, verification and validation activities**,
- Beginning in the conceptual design phase and continuing throughout development and later life cycle phases.

What is MBSA (not only for Safety)

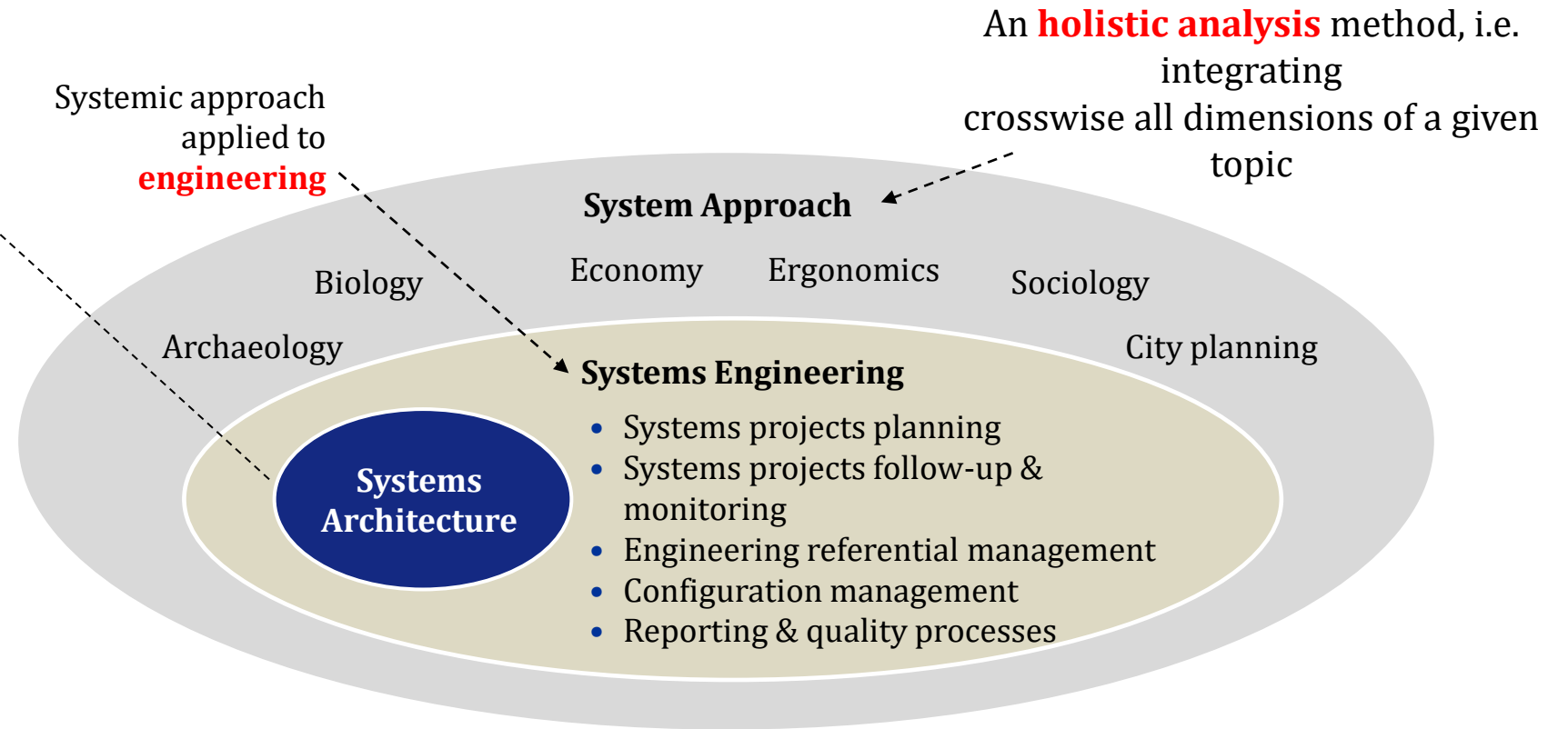
DEFINITION Source: Dr. Daniel KROB, President of CESAMES

Model-Based Systems Architecting (MBSA)

So as specified on the page 31 of the book by Daniel KROB "[Model-Based Systems Architecting: Using CESAM to Architect Complex Systems](#)" (Ed. Wiley & ISTE)



is systems engineering **core**, dedicated to the **design & construction of systems models**.



The **respective perimeters** of systems engineering & systems architecture inside the global perimeter of system approach