Assessed science gaps and selected very high-level performance criteria (rough bandpass, high-resolution imaging & spectroscopy capability, etc.)

Driving science topics were identified to add constraints to the payload, architecture and mission design concept

Many iterations with science team, technologists, and engineers

Lynx Example Mind Map (One of Many)

IT ALL STARTS WITH SCIENCE (KIND OF)

Credit: Lynx STDT
WHILE SCIENCE IS THE PRIMARY DRIVER, THE SCIENCE OBJECTIVES MUST BE DEVELOPED IN PARALLEL WITH ENGINEERING AND OTHER ELEMENTS.

ITERATION & CONVERGENCE

Credit: J. Hylan (NASA GSFC)