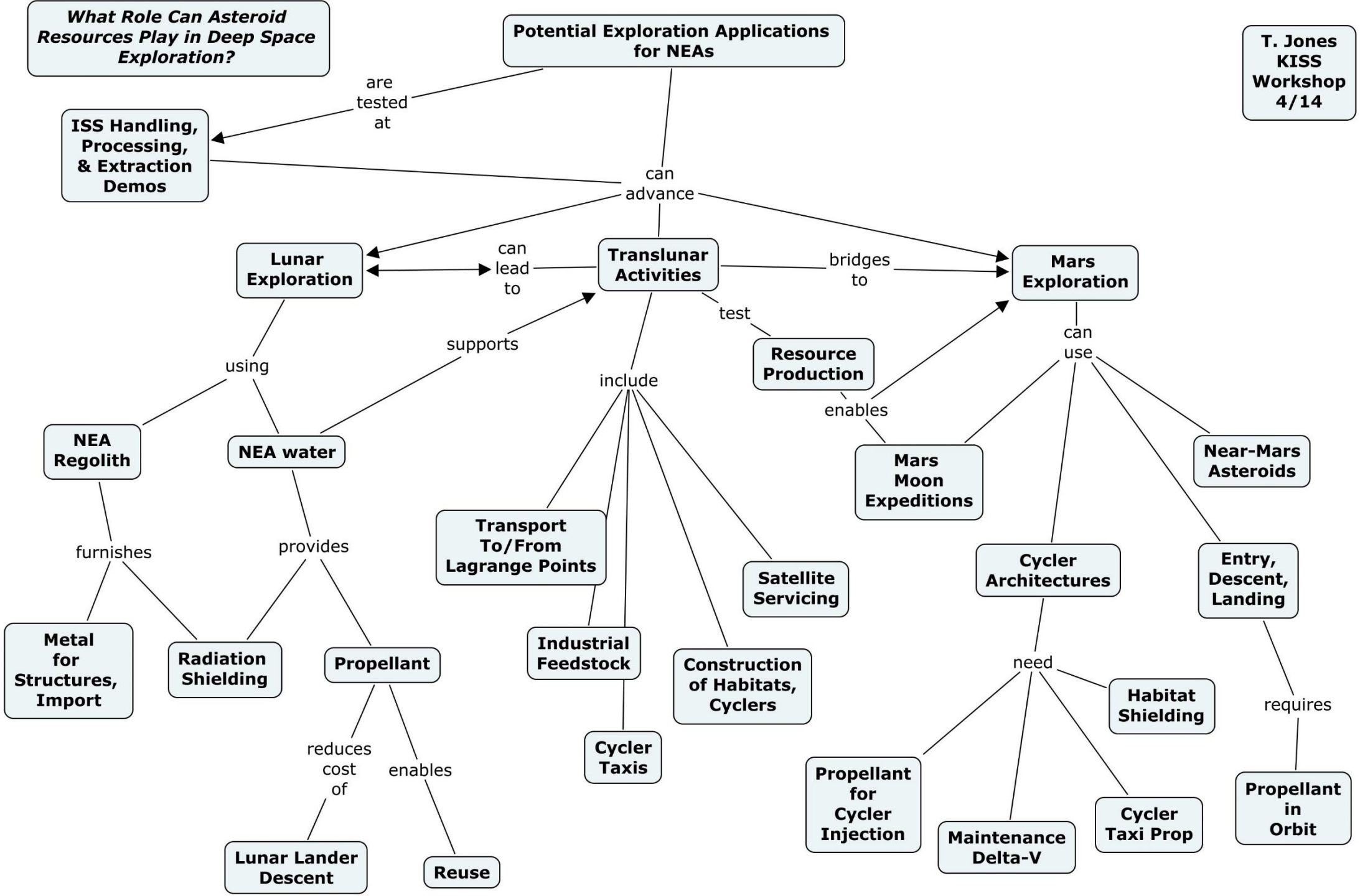
What Role Can Asteroid Resources Play in Deep Space Exploration?
Potential Exploration Applications for NEAs
T. Jones
KISS
Workshop
4/14
are tested at
ISS Handling, Processing, & Extraction Demos
can advance
Lunar Exploration
can lead to
Translunar Activities
bridges to
Mars Exploration
using
supports
test
Resource Production
include
can use
enables
NEA Regolith
NEA water
Mars Moon Expeditions
Near-Mars Asteroids
furnishes
provides
Transport To/From Lagrange Points
Satellite Servicing
Cycler Architectures
Entry, Descent, Landing
Metal for Structures, Import
Radiation Shielding
Propellant
Industrial Feedstock
Construction of Habitats, Cyclers
need
Habitat Shielding
requires
reduces cost of
enables
Cycler Taxis
Propellant for Cycler Injection
Maintenance Delta-V
Cycler Taxi Prop
Propellant in Orbit
Lunar Lander Descent
Reuse