



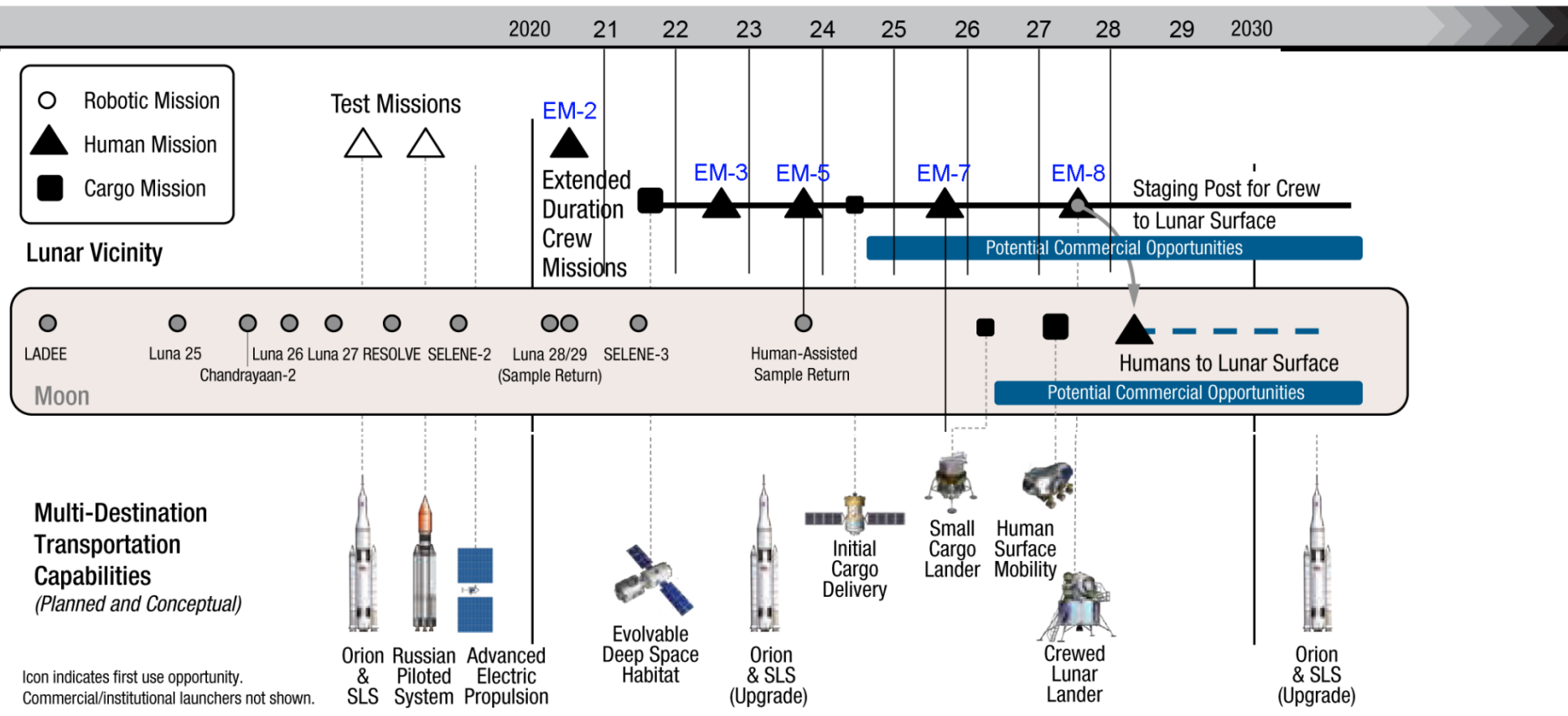
# CENTER FOR LUNAR SCIENCE AND EXPLORATION

vitality impacting the future – today

## Developing the Human Exploration Elements

- NASA's SLS and Orion vehicles
- ESA service module

## ISECG Mission Scenario





## **Lunar Missions in the Global Exploration Roadmap (2013)**

The Global Exploration Roadmap, compiled by the International Space Exploration Coordination Group (ISECG), includes missions to the Moon, asteroids, and Mars.

Missions in the lunar vicinity are excerpted from figures on pages 4 and 15 of the Global Exploration Roadmap.

Because the human missions could involve the NASA's Orion vehicle and ESA's service module, notional Exploration Mission numbers (e.g., EM-5) have been added to the GER diagram.

The schedule includes a human-assisted sample return mission in 2023.

The schedule also includes crew to the lunar surface in 2028.

