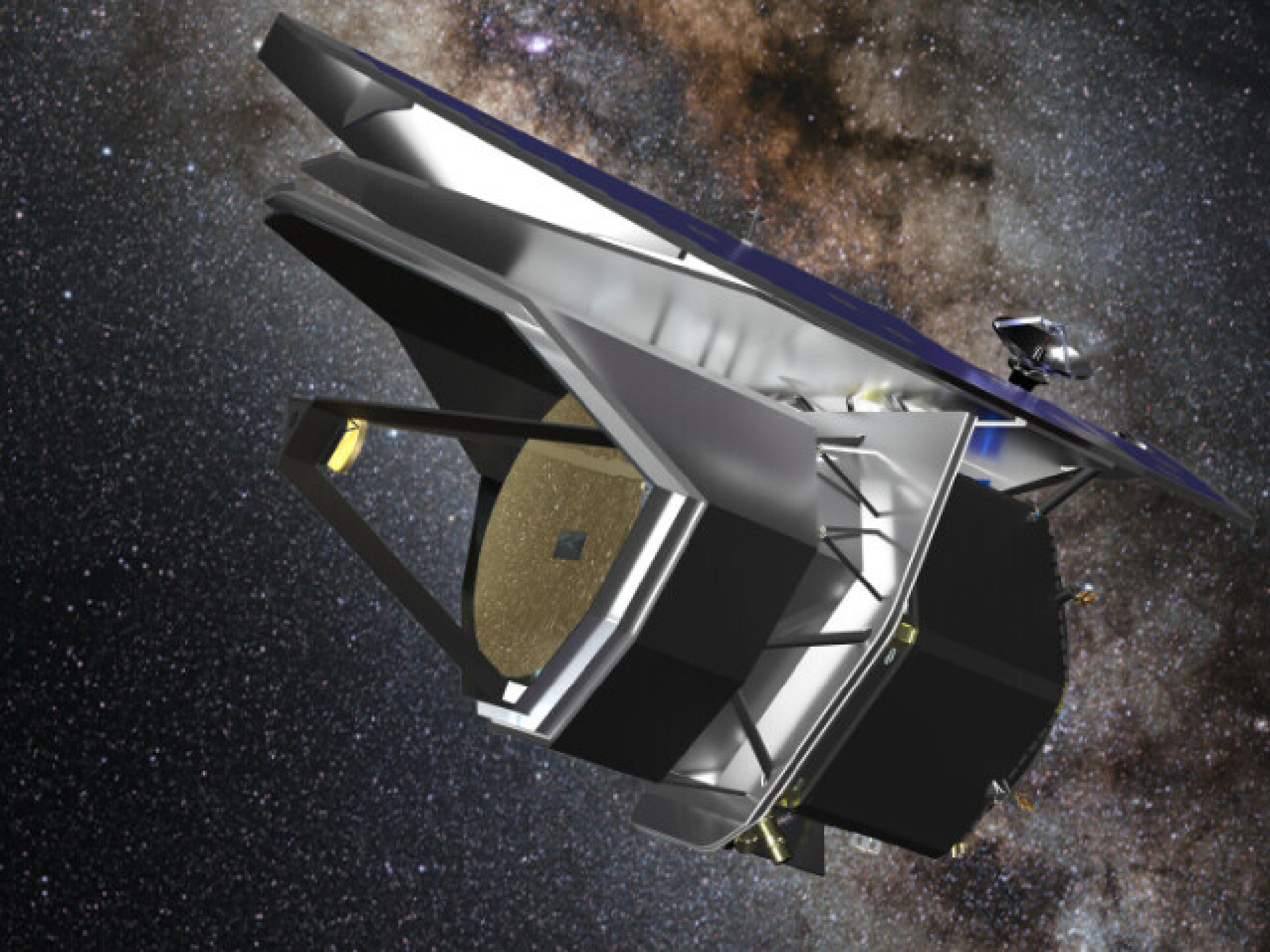
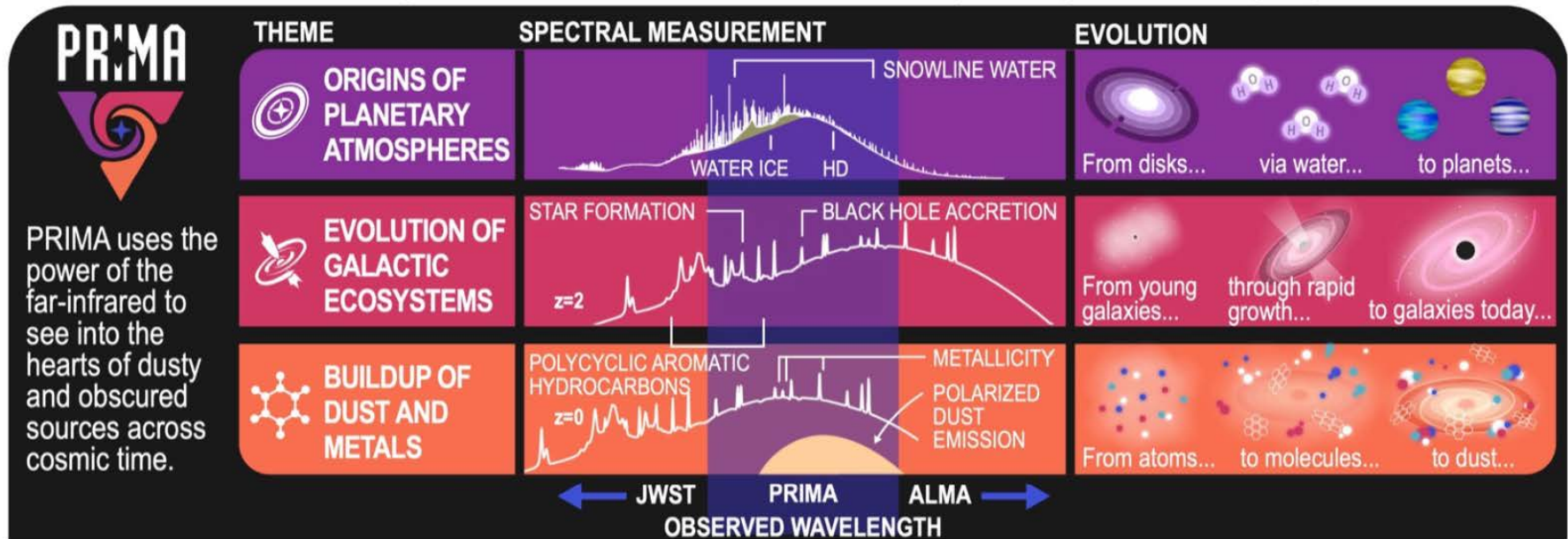




PRIMA PI Science Programs: Exercises the observatory, and provides legacy datasets



Planetary Atmospheres

High-res spectroscopy across the full 24-235 μm band. $R = 4,400$ at 112 μm

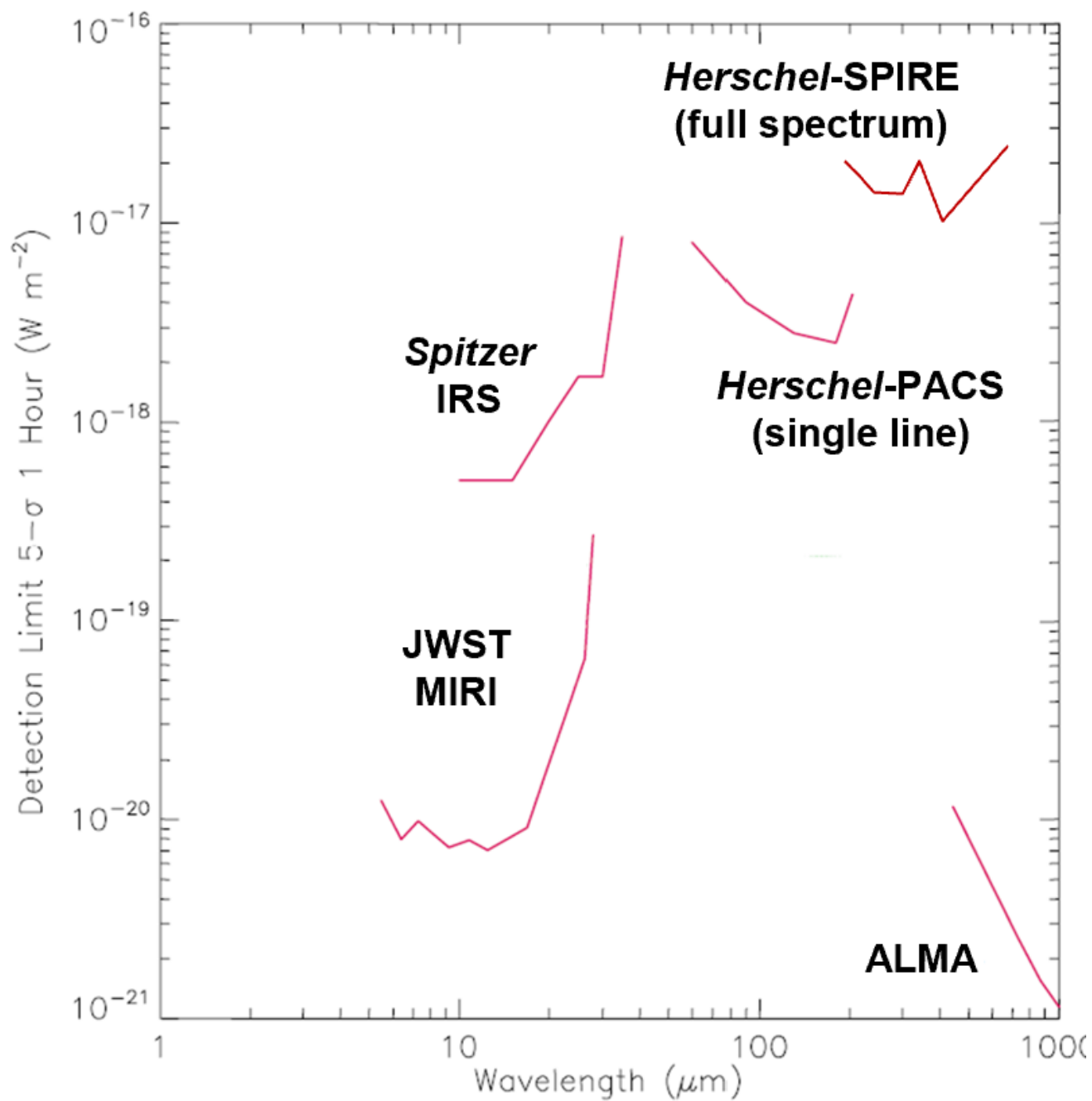
Galactic Ecosystems

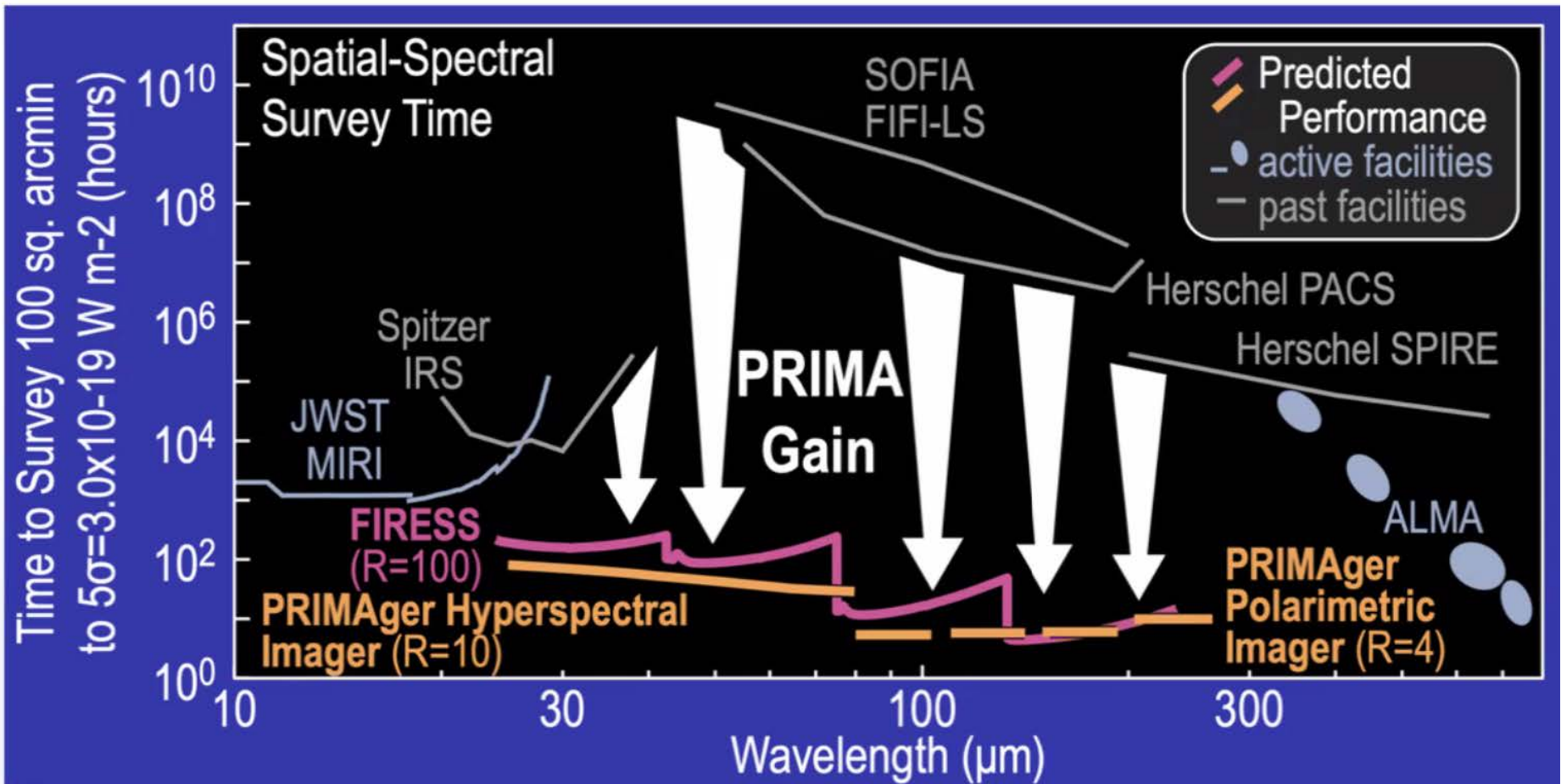
Hyperspectral blind imaging surveys, follow-up full band spectroscopy for fine-structure lines, PAHs at $z=1$ to 2.3

Full-band medium res spectroscopy for outflows

Dust and Metals

Polarimetry at 90-235 μm





10x higher spectral resolution
than *JWST* in the mid-IR

30x more sensitive than
Herschel for point sources

100,000x faster mapping speed for imaging
and wideband spectroscopy vs.
previous far-IR missions



- **PRIMA science organisation**



- **Large programmes**



- **PRIMA's phenomenal sensitivity**



- **Preparatory theoretical modelling**



PRIMA and Other Facilities

