

Cassini Data Production

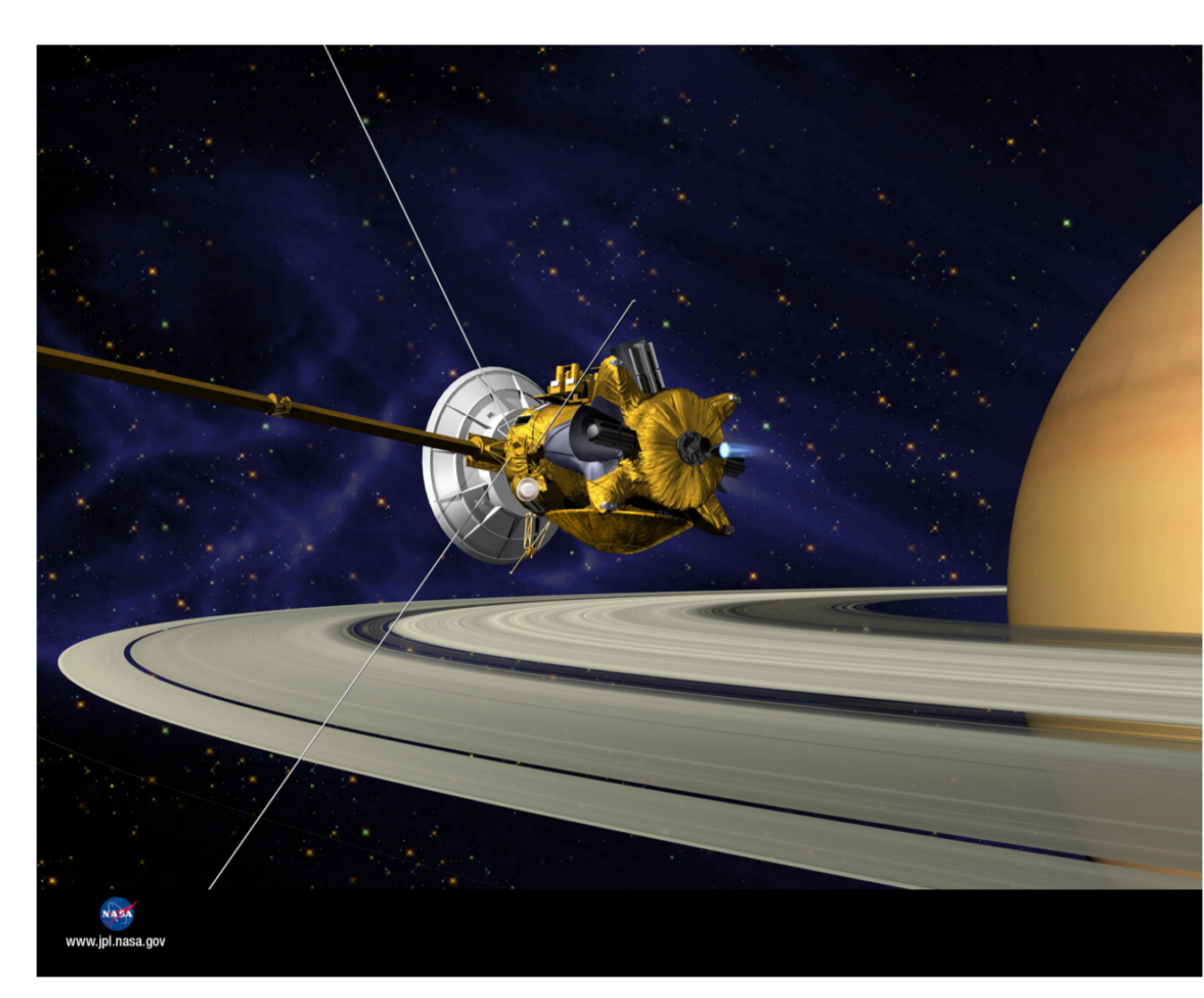
MAPS (Magnetosphere and Plasma Science) Data Processing Centre
 ORSAL Evelyne (1), CAMPS Marcel (1), BOURROUSSE Pierre (1), GROS Philippe (1)
 (1) CNES, 18 avenue Edouard Belin, 31401 TOULOUSE Cedex 9, France,
 Email: evelyne.orsal@cnes.fr – marcel.camps@cnes.fr – pierre.bourrousse@cnes.fr – philippe.gros@cnes.fr



The Mission: Study of Saturn, its rings and natural satellites (Titan, Enceladus, Dione, Rhea, ...)

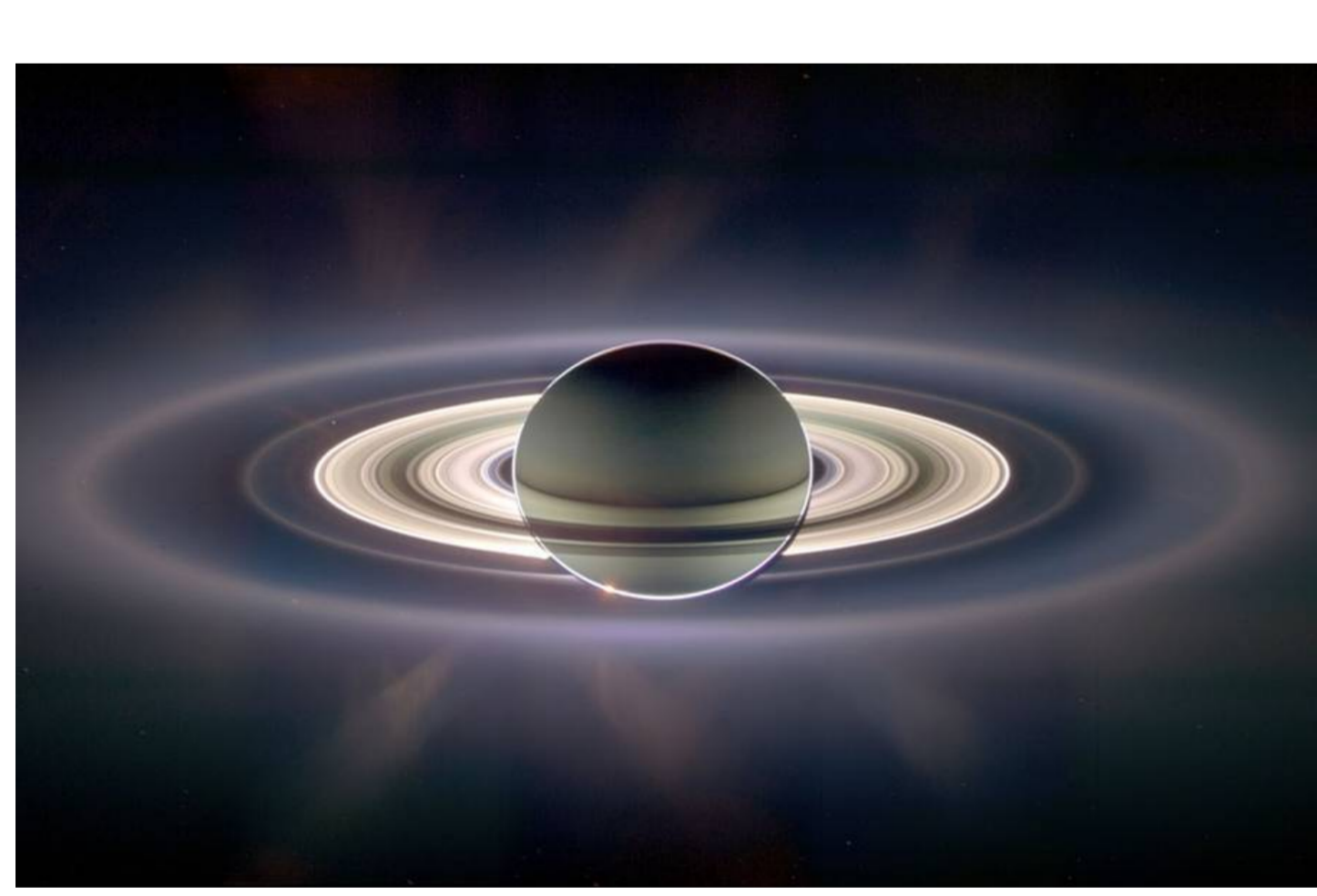
Cassini-Huygens Mission

NASA/ESA/ASI Mission,
 Extended till September 2017.
 Launch in 1997.

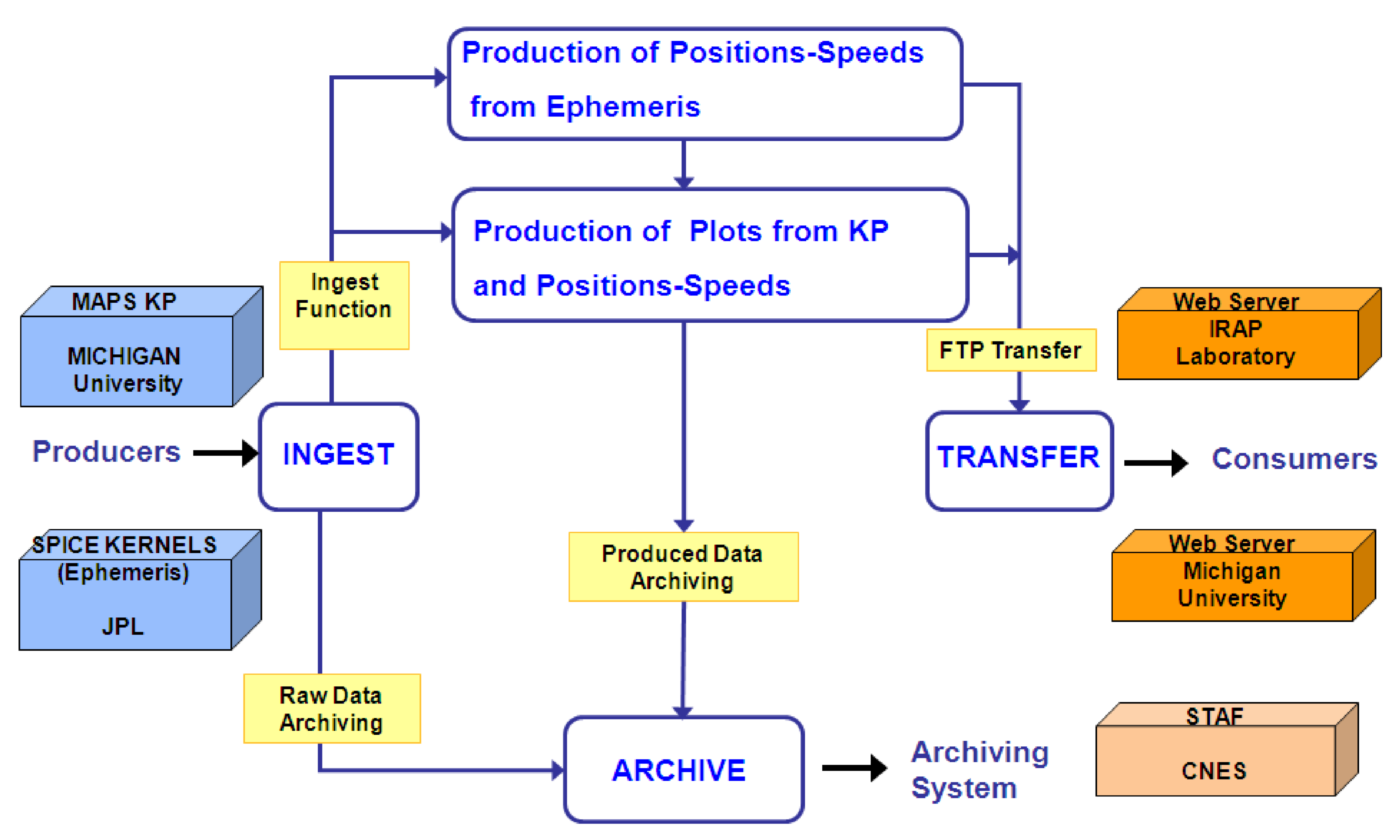


Cassini orbiter carries 11 experiments, some of which, from the MAPS (Magnetosphere & Plasma Science) group, are subject to treatment at CNES (French Space Agency):

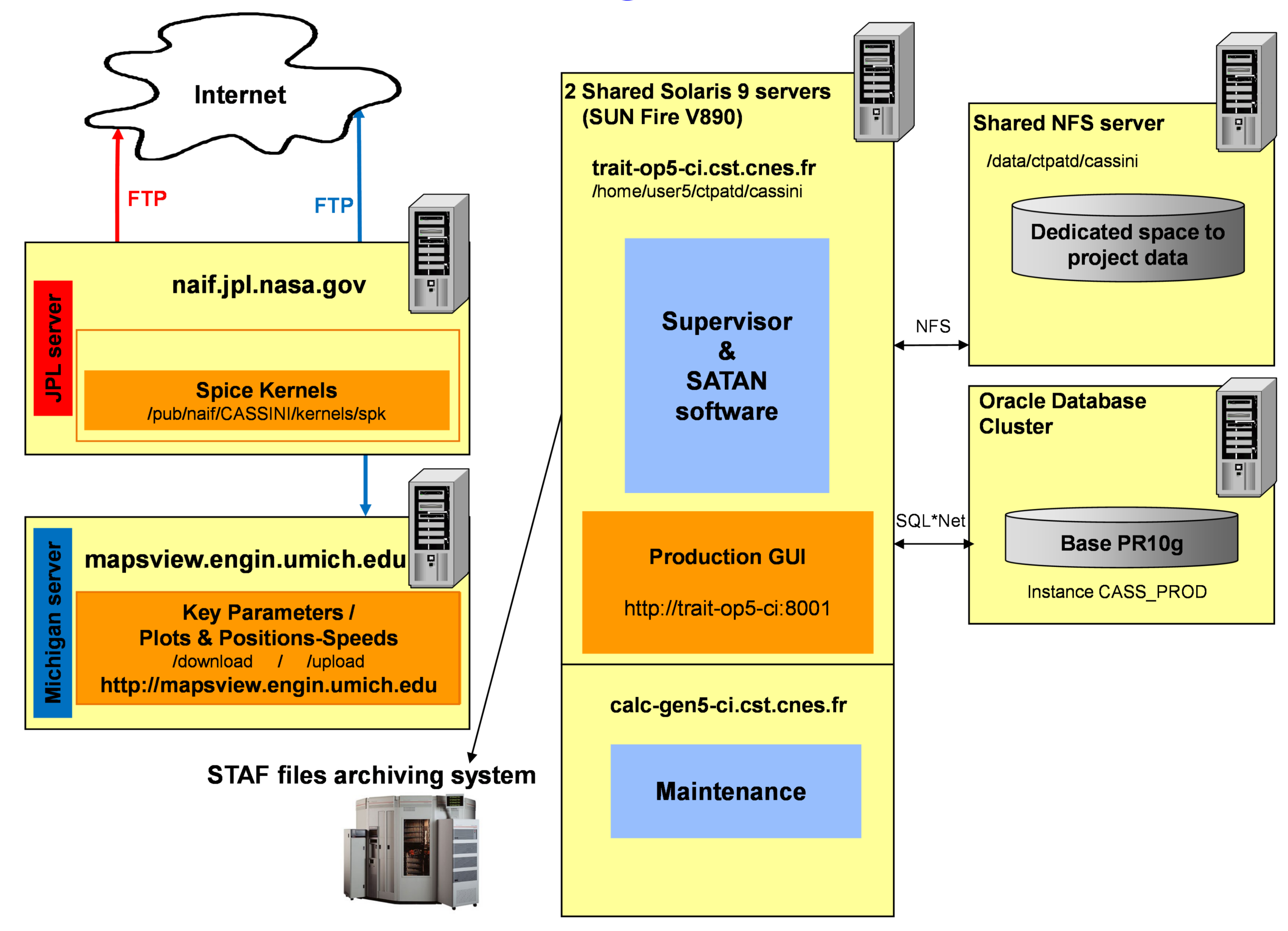
- Cassini Plasma Spectrometer (CAPS)
- Dual Technique Magnetometer (MAG)
- Magnetospheric Imaging Instrument (MIMI)
- Radio & Plasma Wave Science (RPWS)



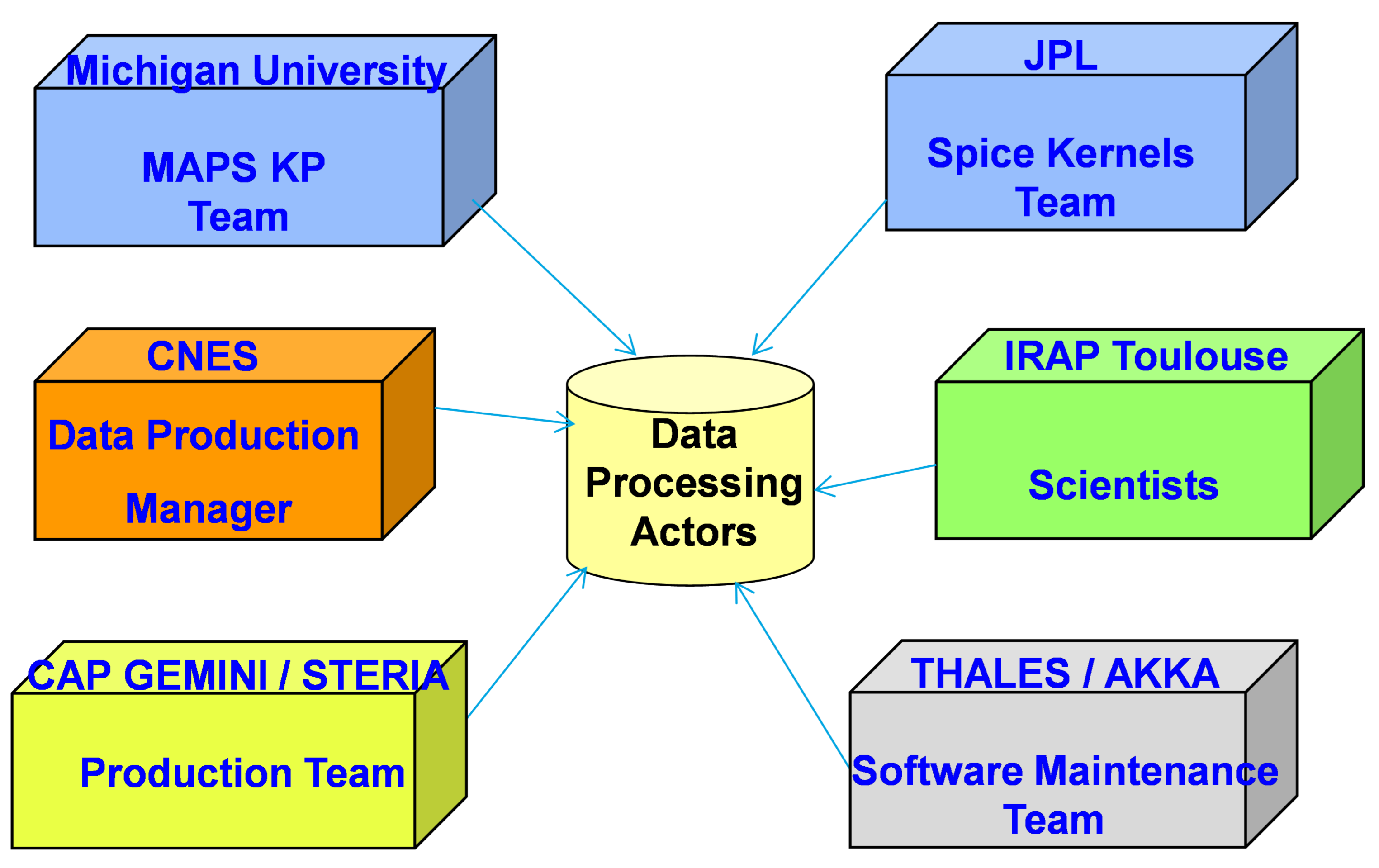
Functionnal Architecture



Data Processing Centre Architecture



Data Processing Centre Actors



Example of a KP Plot

