With the eyes (and the hands, and sometimes the brain) of an astronaut

Claude Nicollier

Humans in Outer Space Conference
Vienna, October 12th, 2007
Outline

• Why?
• Earth below, sky above
• The future
Human spaceflight - a major step in the evolution of life in this corner of the Galaxy?
Anniversaries

50 years Sputnik 1

Yuri Gagarin
April 12th, 1961
A highly respected hero, forever...
... and then back to the LEO, but always with a purpose...
... It seems like an easy destination compared to the Moon, but it certainly is not trivial to get there...
We have many questions about the Earth, including its changing climate, about life, our origin, and our future...

A lot of work done in Earth orbit addresses these questions
EURECA & TSS

STS-46
July 1992
First visit to Hubble in December 1993 (STS-61)
... third visit six years later (STS-103)
… and another one to go (STS-125, September 2008)
Earth below, sky above
The future
Orion - ISS
Orion - Moon

Orion - NEO
Orion for maintenance/repair/improvements of JWST?
… Human Spaceflight serving Science, Research, Exploration, Adventure…
... also an exercise in discipline and rigor, enhancing human awareness, and bringing people together
... and carrying dreams and emotions that we have had since a very long time...
Columbus (ESA)