

Space Exploration Excitement How to bring it back ?



*Space-Up
@ ESA HQ-N
24 - 26/05/2013*

*Marc Toussaint
ESA HQ-D
Launcher Directorate*

Nothing was more exciting than ...



1966



The SPACE RACE

1961



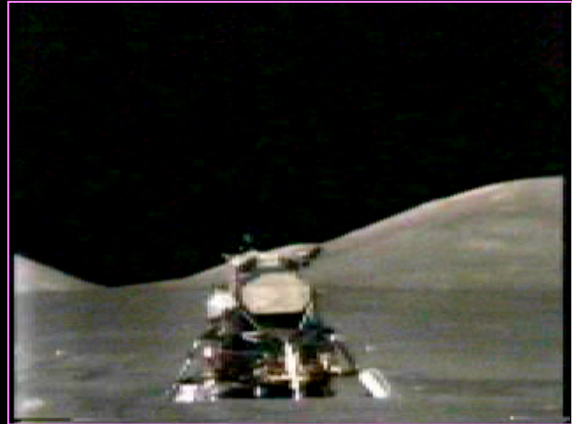
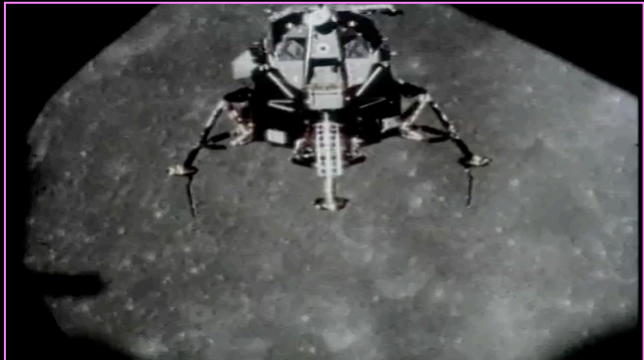
1957



Nothing was more exciting than ...

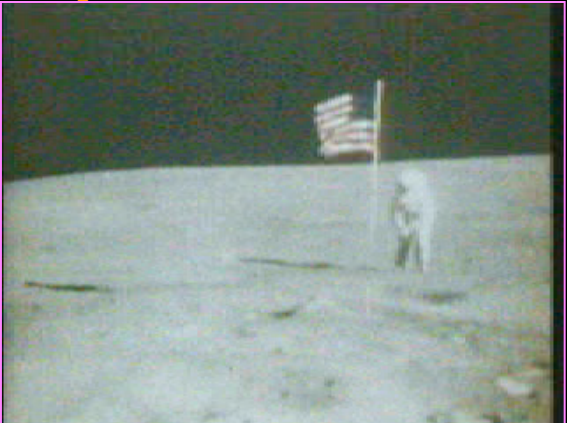
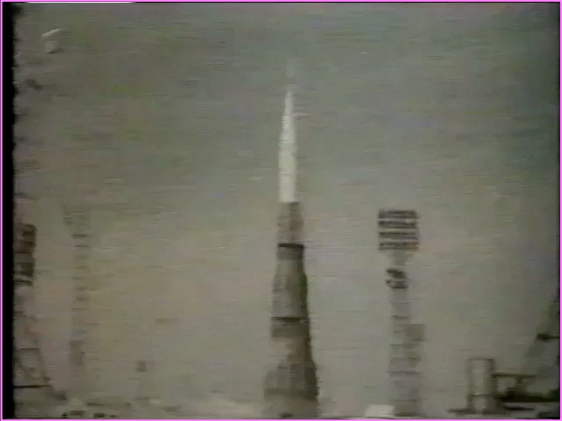


1975



1971

The MOON RACE



1967

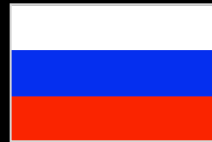
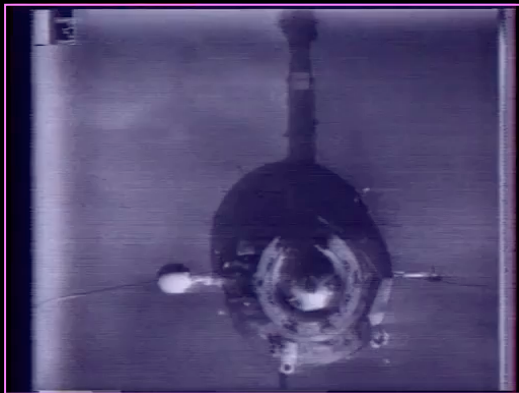


And then, focus on ...



2010

1989



EARTH'S SUBURB

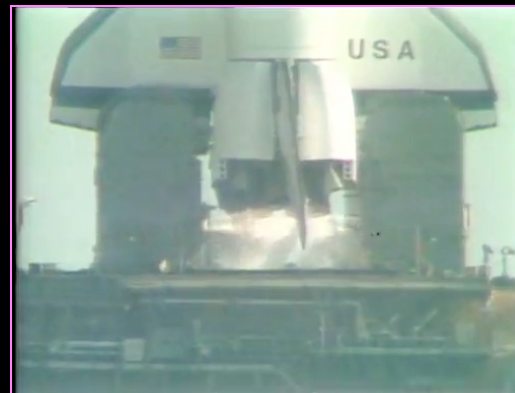
1981



STS-114

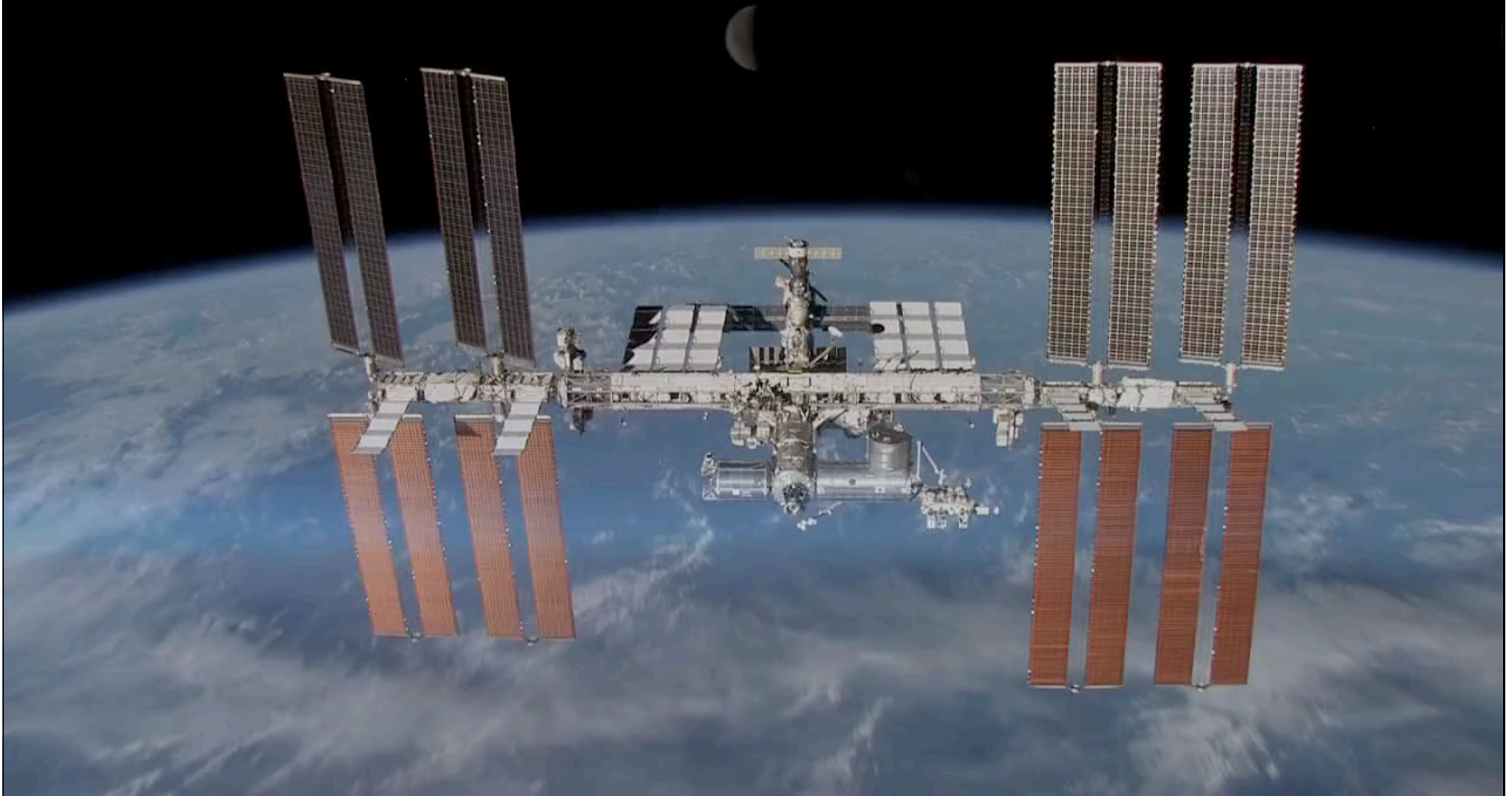
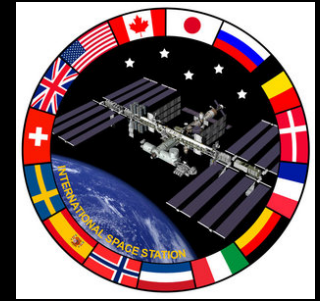


1976



STS-26

ISS birth and growth since November 1998



Today the world is changing



Chris Hadfield has succeeded in 2013 to wake again interest for life in space. He brought Space down to Earth through:

- Pictures, Videos
- Tweets
- People talks
- etc.



Bring Excitement for Space Exploration Back

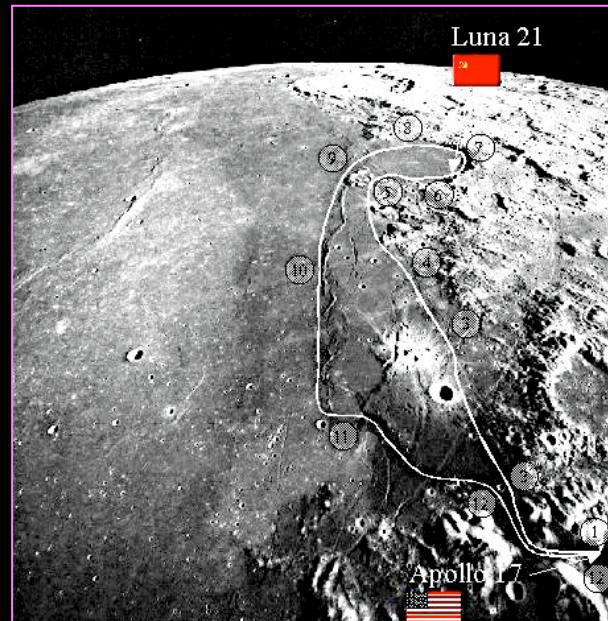
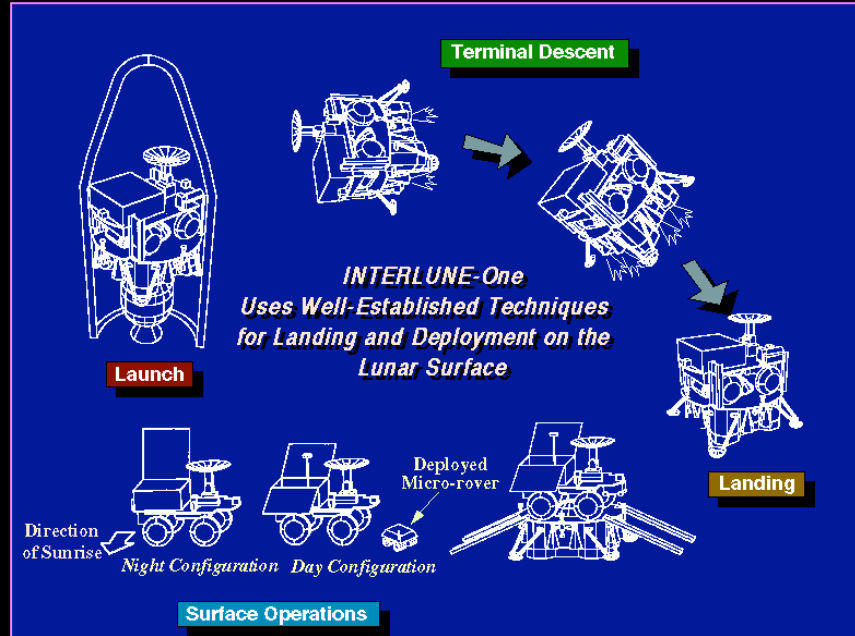
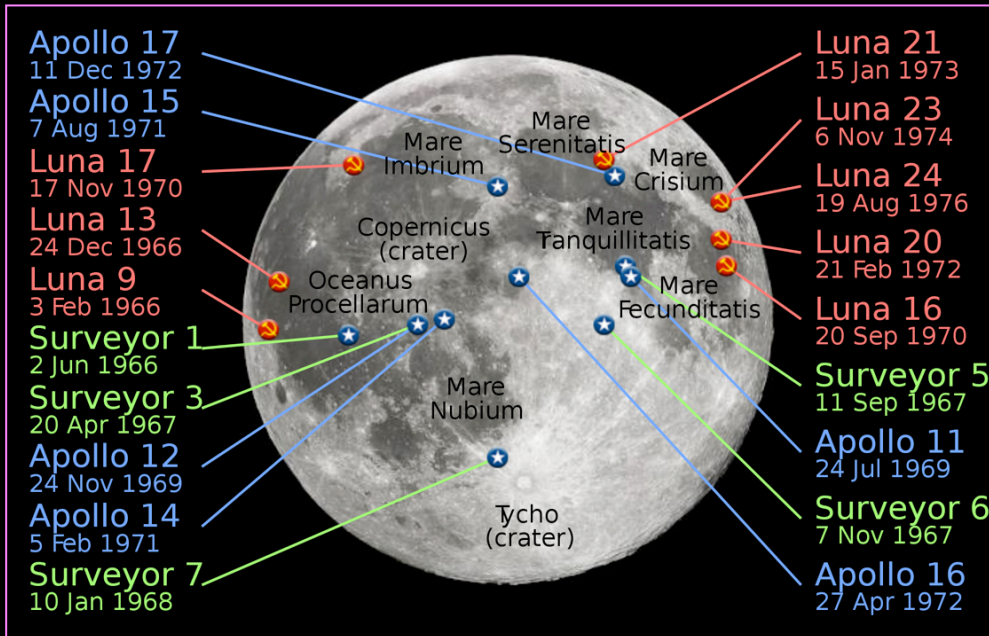
<i>Does Space still excite people?</i>	<i>Yes, astronomy, for example.</i>
<i>Does Space Tourism excite people?</i>	<i>Yes, if they can afford it !</i>
<i>Does Manned Spaceflight excite people?</i>	<i>Yes, but it remains a dream ...</i>
<i>Does Mars trip and/or settlement excite people?</i>	<i>Yes, but, do they know ... ?</i>
<i>Does the Moon still excite people?</i>	<i>Yes, not only for romanticism ;-)</i>
<i>Do people live with permanent connections ?</i>	<i>Yes ! Internet, Twitter, ...</i>
<i>Does it help them to feel involved, recognised?</i>	<i>Yes !</i>
<i>Does competition excite people?</i>	<i>Yes ! A lot !!</i>

So, why not to set up a Space race with direct people involvement and implication ?

<i>What?</i>	<i>A rovers' race on the Moon</i>
<i>Where?</i>	<i>From Equatorial landing towards the poles</i>
<i>When?</i>	<i>In 2019, to celebrate the 50th anniversary of Apollo 11 landing</i>

Idea is not new, but still has to be realised ...

Excitement for Space Exploration

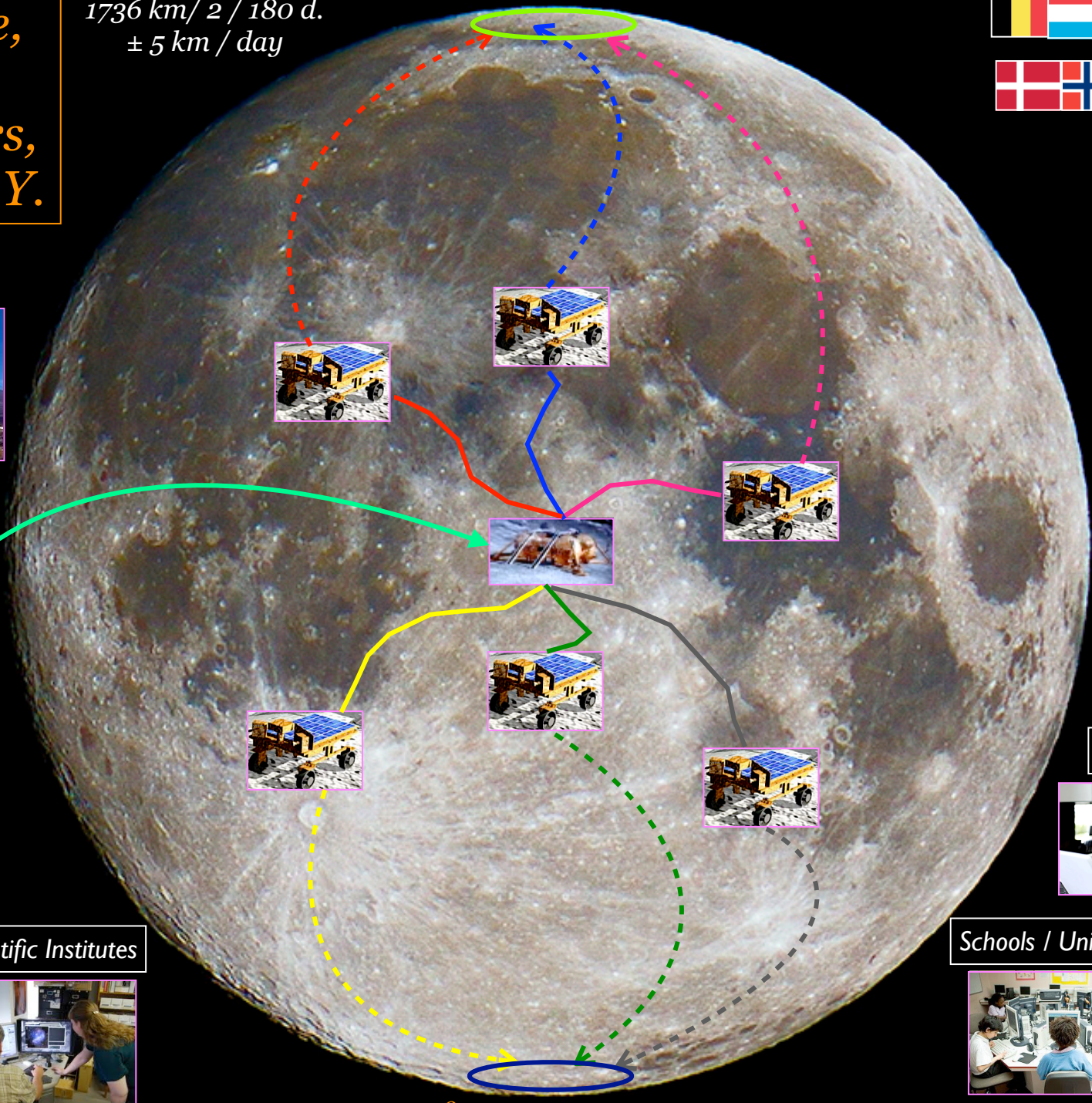


*One Ariane,
1 lander
6 or 7 rovers,
2 targets / 1Y.*

1736 km/ 2 / 180 d.
± 5 km / day



Control Centre



Homes



Scientific Institutes



Schools / Universities



Access to all and by all usual means ...



*On predefined time slots,
limited and controlled access
to rover's commands is
granted to pilot the vehicle*

*Thank you for
your Attention*

Do You Share that Idea ?

1966

