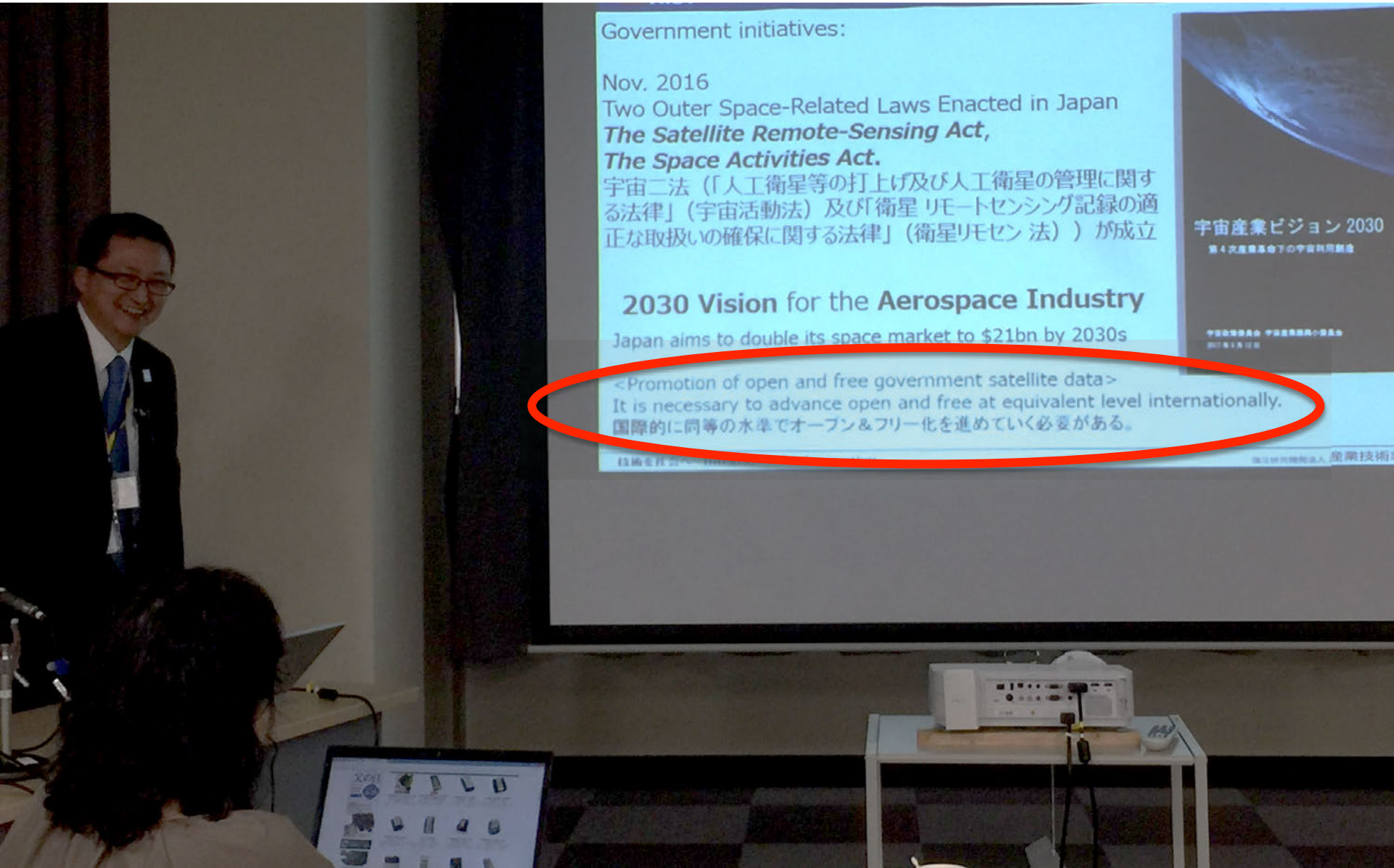


One Japan-side ASTER team member/leader to me: The U.S. recognized in the 1980s that sale of government satellite data does not work. The Japanese government now has recognized that this is true. Please note the red outlined statements. This is a big shift!



Government initiatives:

Nov. 2016

Two Outer Space-Related Laws Enacted in Japan

*The Satellite Remote-Sensing Act,
The Space Activities Act.*

宇宙二法（「人工衛星等の打上げ及び人工衛星の管理に関する法律」(宇宙活動法)及び「衛星リモートセンシング記録の適正な取扱いの確保に関する法律」(衛星リモセン法)）が成立

2030 Vision for the Aerospace Industry

Japan aims to double its space market to \$21bn by 2030s

<Promotion of open and free government satellite data>

It is necessary to advance open and free at equivalent level internationally.

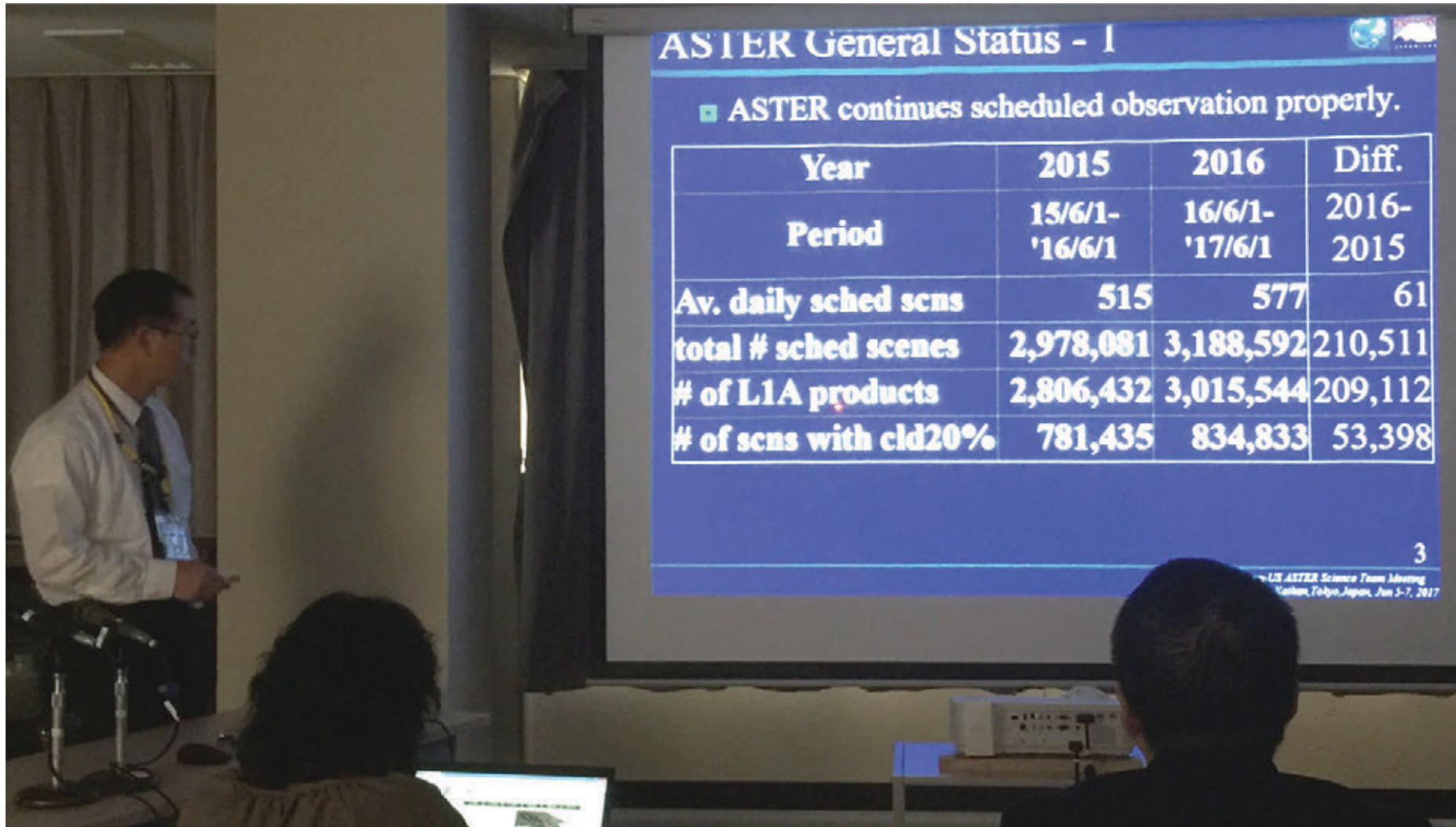
国際的に同等の水準でオープン&フリー化を進めていく必要がある。

宇宙産業ビジョン 2030
第4次産業革命下の宇宙利用制度

宇宙産業委員会 宇宙産業部会編纂
2017年12月現在

産業界技術

ASTER lifetime: Over 3 million scenes!



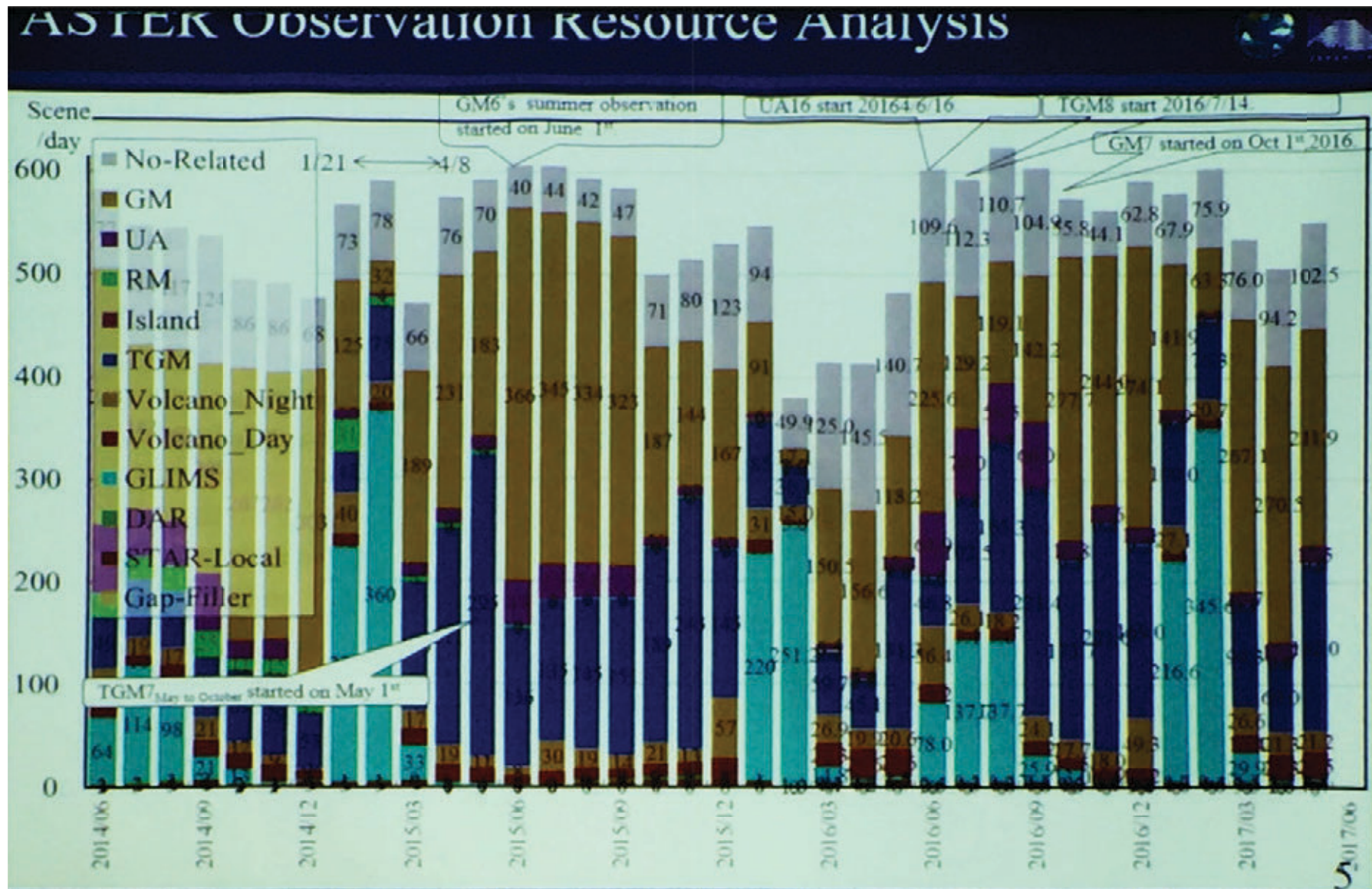
ASTER General Status - 1

■ ASTER continues scheduled observation properly.

Year	2015	2016	Diff.
Period	15/6/1- '16/6/1	16/6/1- '17/6/1	2016- 2015
Av. daily sched scns	515	577	61
total # sched scenes	2,978,081	3,188,592	210,511
# of L1A products	2,806,432	3,015,544	209,112
# of scns with cld20%	781,435	834,833	53,398

3
ASTER Science Team Meeting
Kyoto, Tokyo, Japan, Jun 5-7, 2017

GLIMS (cyan) is now one of the largest components of the ASTER program. Finally there is a strong northern and southern summer of acquisitions.



GLIMS had a high imaging success rate— about 64-71%-- in 2015 and 2016, hopefully continuing this year.

Status of Major STARs - 2



Suspended/expired				Ongoing			
Star	start	end/latest	Achiev % scns	Star	start	end/latest	Achiev % scns
GM6	'14/11/21	'16/9/30	80.5%	GM7	'16/10/1	'17/6/1	43.6%
TGM7	'15/1/18	'16/7/14	96.5%	TGM8	'16/7/14	'17/6/1	83.5%
TGM7 _{M-O}	'15/5/1	'16/7/14	95.5%	TGM8 _{M-O}	'16/7/14	'17/6/1	78.8%
TGM7 _{N-A}	'15/1/18	'16/4/30	97.9%	TGM8 _{N-A}	'16/7/14	'17/6/1	90.3%
GLIMS15	'16/1/15	'16/8/1	64.4%	GLIMS16	'16/6/1	'17/6/1	70.9%
				GLIMS17	'17/6/x	'18/6/x	-%
UA14	'14/3/26	'16/6/16	87.3%	UA16	'16/6/16	'17/6/1	72.2%
				Island STAR	'16/1/1	'17/6/1	84.3%
Volcano15DN	'15/1/1	'15/11/30	12,015scns	Volcano16DN	'15/12/1	'20/12/1 / '17/6/1	28,636scns

GLIMS seems to have had a good year!

AOI and Observed Scenes of GLIMS 2016



as of June 1st, 2017

■: Product 29,075 scenes (2017/6/1)

■: Scheduled 29,077 scenes (2017/6/1)

■: AOI

Trust, but verify

- It appears that GLIMS finally– first time ever– had a good year.
- Big surge in Antarctic and Greenland imaging.
- Also: Alaska– first good year ever! (so it appears)
- Peru, Chile, Canada (Arctic, Rockies, Coast Ranges), Alps, Pyrennees, Caucasus, Russian Arctic, Scandinavia (New Zealand?– hard to read) all have good coverage, it seems.
- Himalaya not so great; but some coverage.
- GLIMS global map STAR also acquired many images over glacier areas; gain settings set mainly for “land” (rocks and veg) will nonetheless be good for debris covered glaciers.
- **But are they cloud free? Have appropriate gains? Your regional assessment is welcome.**