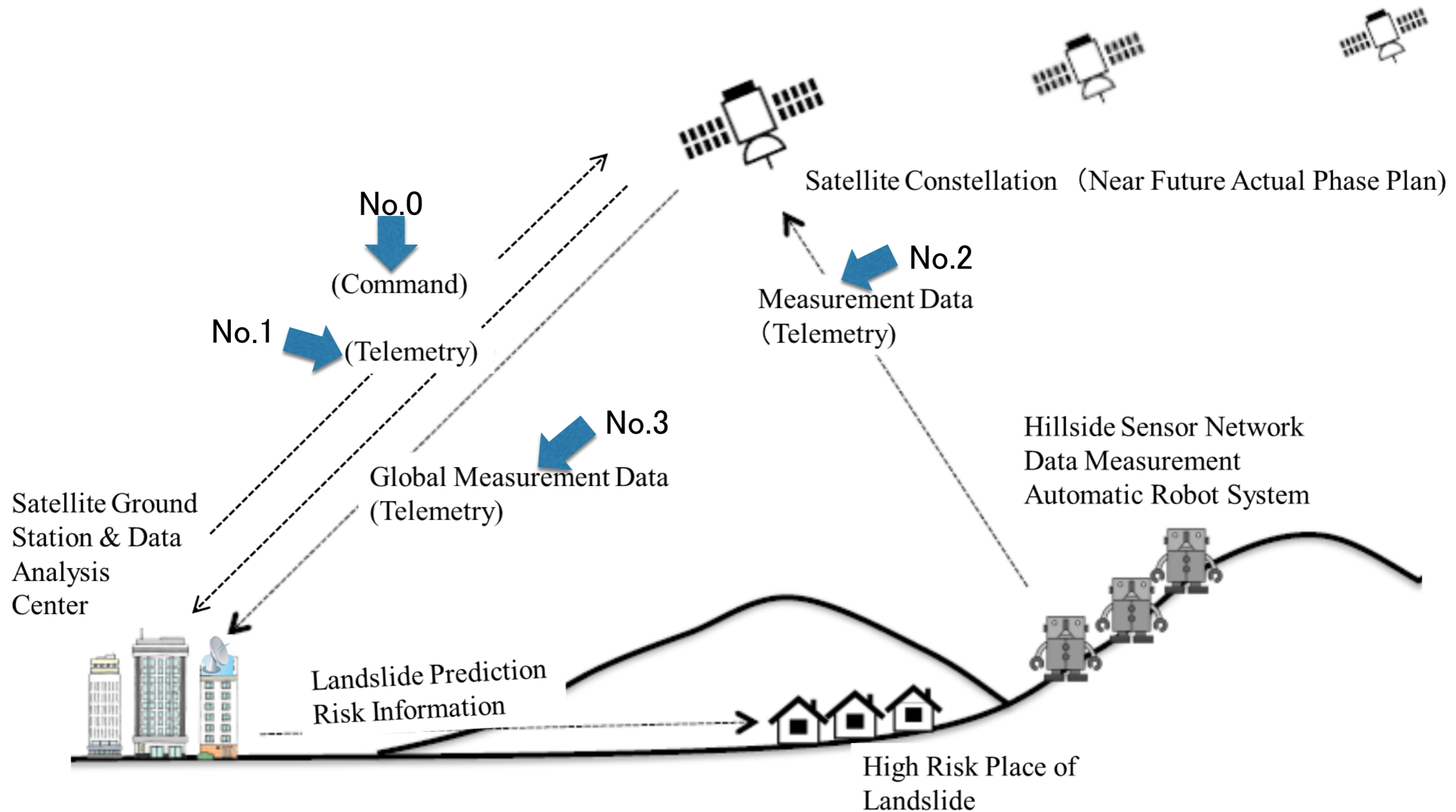


CLTP8
HEPTA-Sat Mission Definition

2017/09/11

Ryuichi Sekita
Futaiten Project
Fukuyama University

Mission Background: Extract Some Essence from My Research Mission



Mission Outline

Mission No.0: Mission Ready Phase

Satellite should be Power On and Set Ready to Do Mission by Command from GS

Mission No.1: Telemetry Gathering Phase

**Satellite should Gather and Save Telemetry Data to SD
(Pressure, Temp., Acceleration etc)**

Mission No.2: Data Store Phase

Satellite should Receive some Text Data from Ground (GS)

Mission No.3: Data Forward Phase

Satellite should Sending Picture Data to GS



Mission Sequence

Time (sec)	-X	0	10	20	30
Launch Process	Install Satellite into Container	Start Launch	Open Container Door		Landing
Mission No.0		←→			
Mission No.1		←→	←→	←→	←→
Mission No.2			←→		
Mission No.3			←→	←→	←→
Extra Mission			←→	←→	←→

Success Criteria

Mission Level	Criteria
Minimum Success	Mission No.0,1
Full Success	Mission No.0, 1,2 3
Extra Success	Mission No.0,1,2,3 and Drawing Map by GPS Data