

# Challenge to disasters due to floods and sediment mass from space to the ground

**Space**

## Advanced disaster observation with optical and SAR Satellites

Satellite-based observations enable us to assess inundation, landslides, slope failures, and other disaster impacts

### ● Flood Inundation mapping with satellite imagery

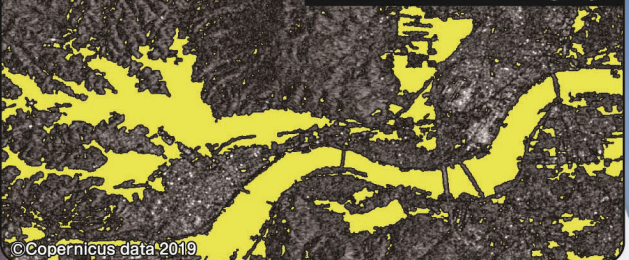
■ Inundation area

Optical satellite



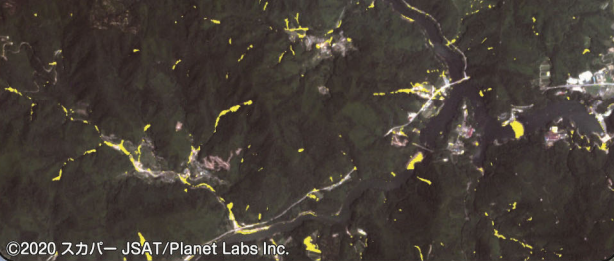
■ Inundation area

SAR satellite imagery



### ● Identification of landslide and debris flow locations

■ Occurrences of landslides and debris flows



Reliable technology by engineers deployed nationwide

**Ground**