



One-Stop Service Point for Disaster Risk Assessment

**3rd India-Japan Workshop on
Disaster Risk Reduction-2019**

Asia Air Survey Co., Ltd. (AAS)

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About Asia Air Survey Co. Ltd. (AAS)

AAS is one of the leading **geospatial survey and consulting firms** based in Tokyo, Japan.

- Established in 1954
- Offices in Japan: 45
- Overseas office: Yangon, Myanmar (AASMM)
- Employees: over 1,000
- Capital: US\$ 16 million

Services: Geospatial data acquisition, Processing & Consulting

Survey

Mapping
GIS

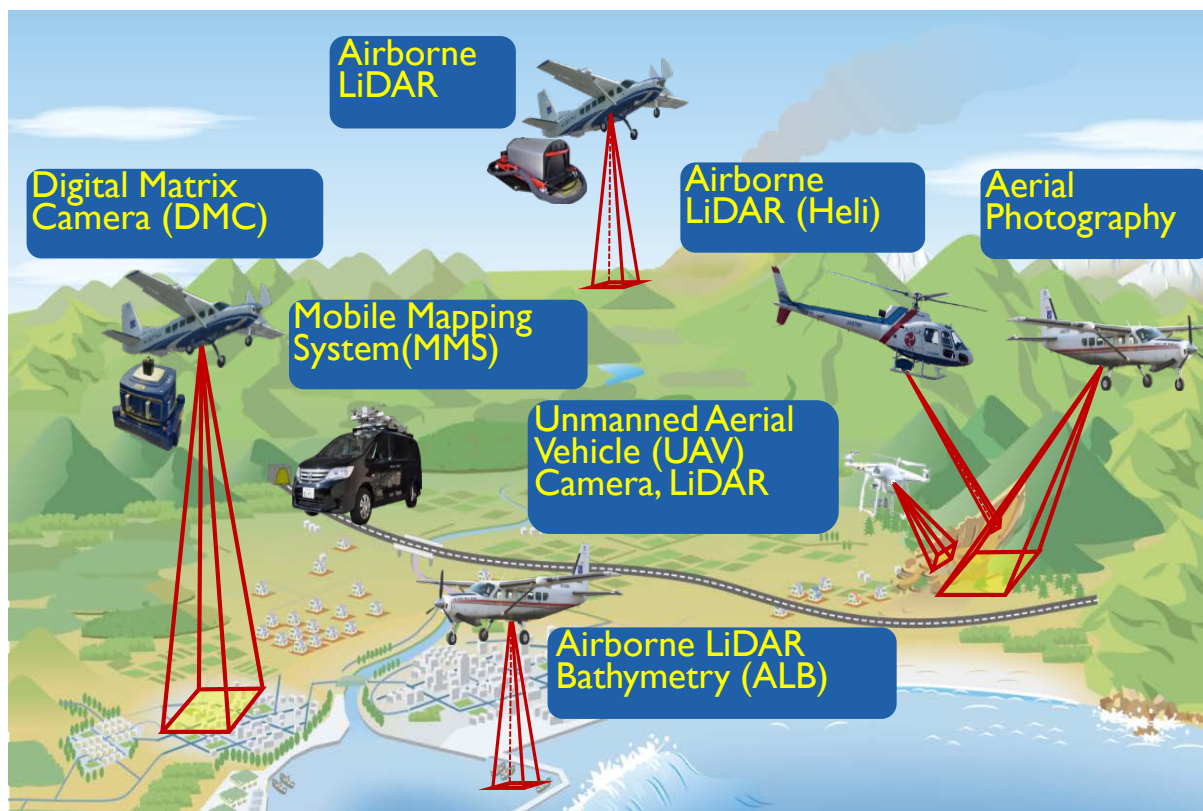
Disaster
Management

Environmental
Management

Infrastructure
Management

Geospatial Technology, Database Creation and DRR Consulting

- ✓ **AAS has technology for, and expertise & experiences of works on DRR**
- ✓ **One-stop service point for disaster risk assessment / reduction**



Terrain Visualization Methods: Red Relief Image Map (RRIM)

Ancient Kofun (Mounded Tomb), Osaka Japan



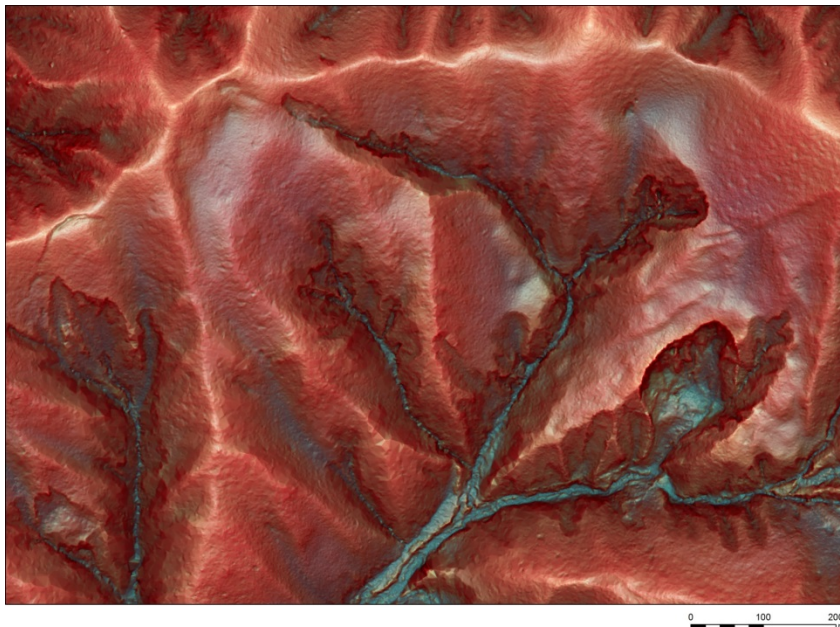
(c) 奈良県立橿原考古学研究所・アジア航測株式会社

Aerial photograph

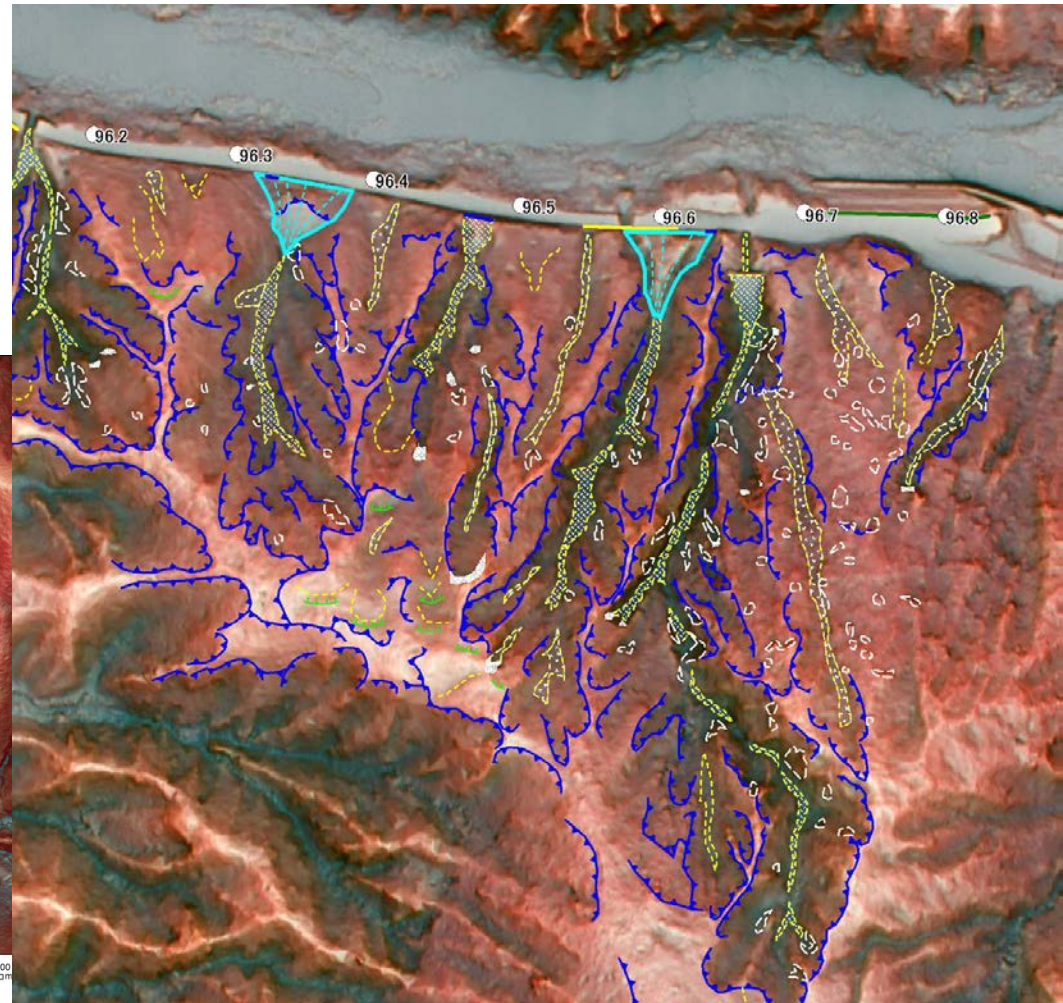
RRIM

Application Example: Geomorphological Interpretation

Using RRIM to interpret topographical characteristics and, then evaluate landslide/debris flow risk along important transportation infrastructure.



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Key Business Areas of Partnership and Contribution to DRR in India

1. Landslide hazard and risk assessment
2. DRR project implementation/intervention (e.g. eco-DRR)

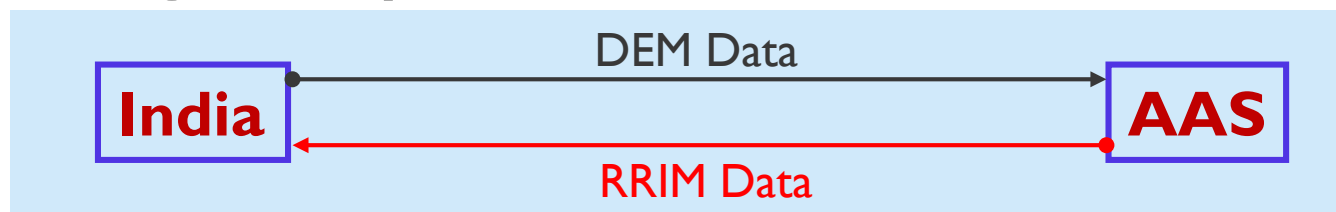
Modality of Partnership and Database Development / Services

A. Partnership

- Through a joint venture with private firms in India
- Through the Governmental initiatives (ODA) and PPPs

B. Database development / services

- **Delivering RRIM products**



- **Providing complete solutions** (data acquisition, processing & consulting)

Geospatial surveys
(e.g. LiDAR)

+

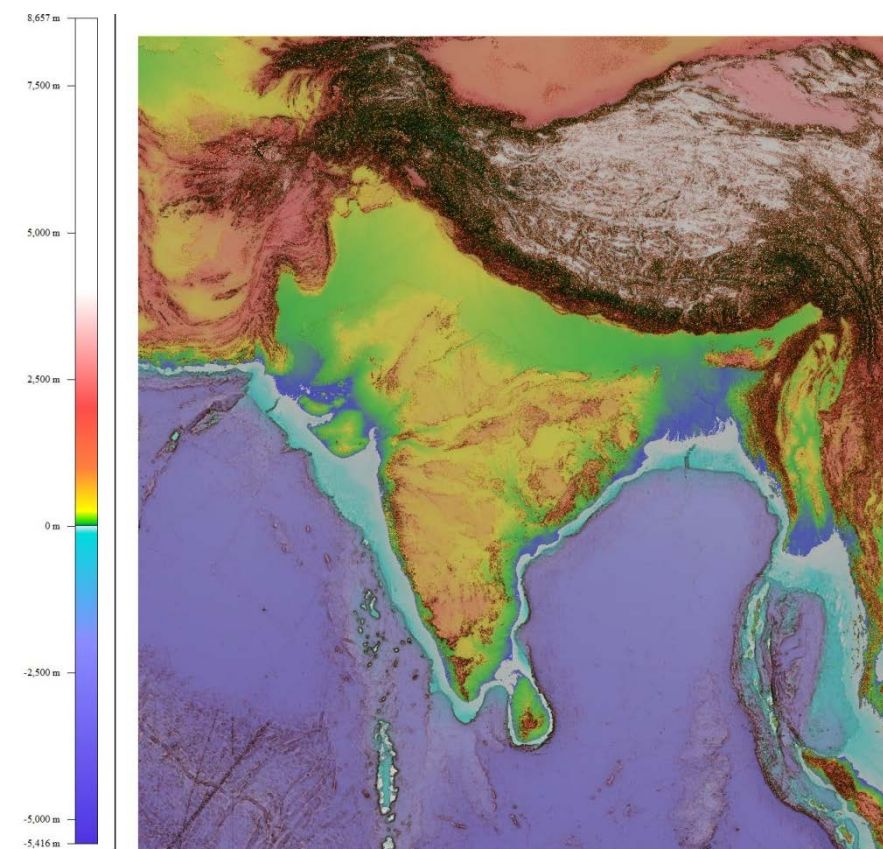
Value-added products
(e.g. DEM, RRIM)

+

Consulting services
(e.g. landslide risk assessment)

Summary

- **India** is **susceptible** to various **geo-hazards**. Timely and effective **geo-hazard mitigation** is **crucial** for achieving **SDGs**.
- **AAS** has **technology, expertise** and a lot of **experiences** in producing **geospatial dataset** necessary for disaster risk assessment / reduction and providing **DRR consulting**.
- **AAS** wishes to cooperate with **Indian partners** on **Geospatial Data Processing, Consulting Services of Landslide Disaster Risk Assessment and Mitigation**.



RRIM of India, DEM from SRTM I



Thank you for your attention!

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