# Possible Ways to Improve Sentinel Asia's Potential in Central Asian Countries

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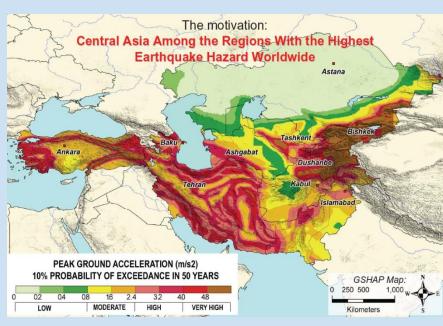
JPTM in Bangkok

November 2019



#### In focus countries of Central Asia Kazakhstan, Kyrgyzstan, Uzbekistan, Tajikistan and Turkmenistan





Total population:

**52,5** million people (2017);

Natural Disasters

Statistic data / Only in Kyrgyzstan

1. 3300 – 3 500 earthquakes per annum

- 2. 3900 mudflow hazard river basins
- 3. up to 3000 high-mountain outburst lakes
- 4. up to 7000 landslide and rockfall areas

5. 341 settlements in the areas of ground water flooding (flooded area 3200 sq.km)

6. 772 avalanche-hazardous sections of motor roads and settlements
7. 34 % of the Kyrgyzstan territory are perennial frozen soils, where geocryogenic hazardous processes and phenomena are widespread.
8. over 50 % of Kyrgyzstan territory is prone to erosion hazardous processes (pasture, water, wind erosions) including up to 25% of the area which is under strong erosion processes.

## how can we activate the Capaciti of



in CA

Of course it all depends on what efforts we will make together in the campaign at stages, as well as on investment opportunities for the development, implementation and support of initiation.

все зависит от того, какие усилия мы вместе предпримем в кампании на данном этапе, а также от инвестиционных возможностей по развитию, реализации и поддержки инициации.





Definition of the target disaster and decision in every Central Asian country



Introduction of special EOR criteria for Central Asian countries



Regular monitoring the most dangerous site in each county of Central Asian

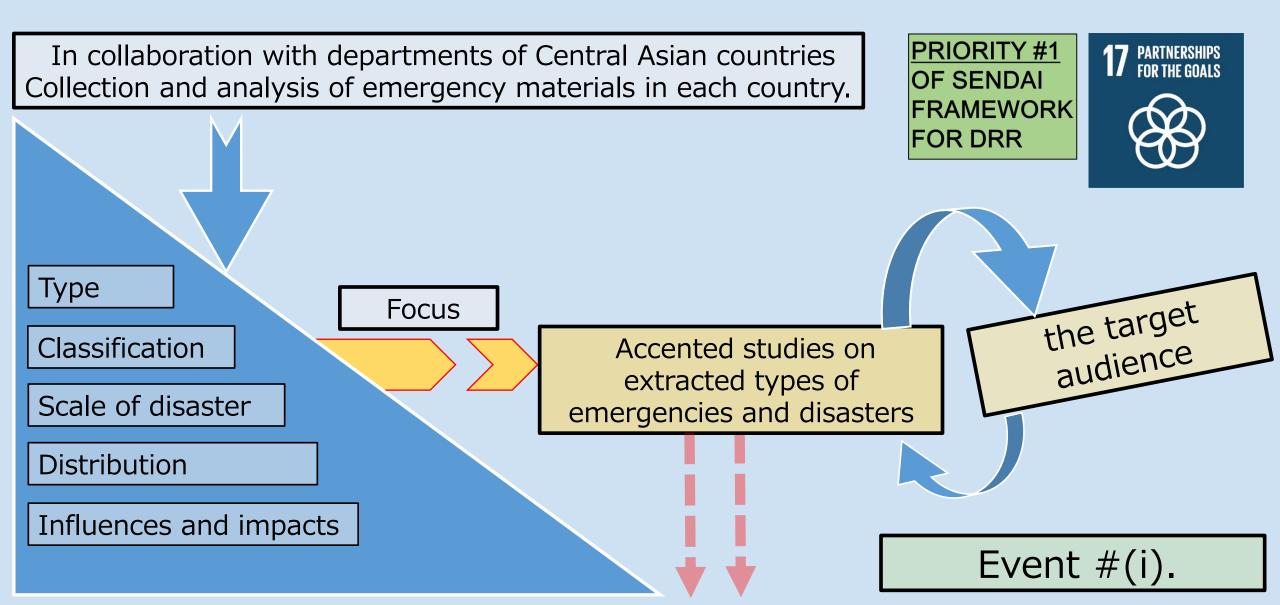


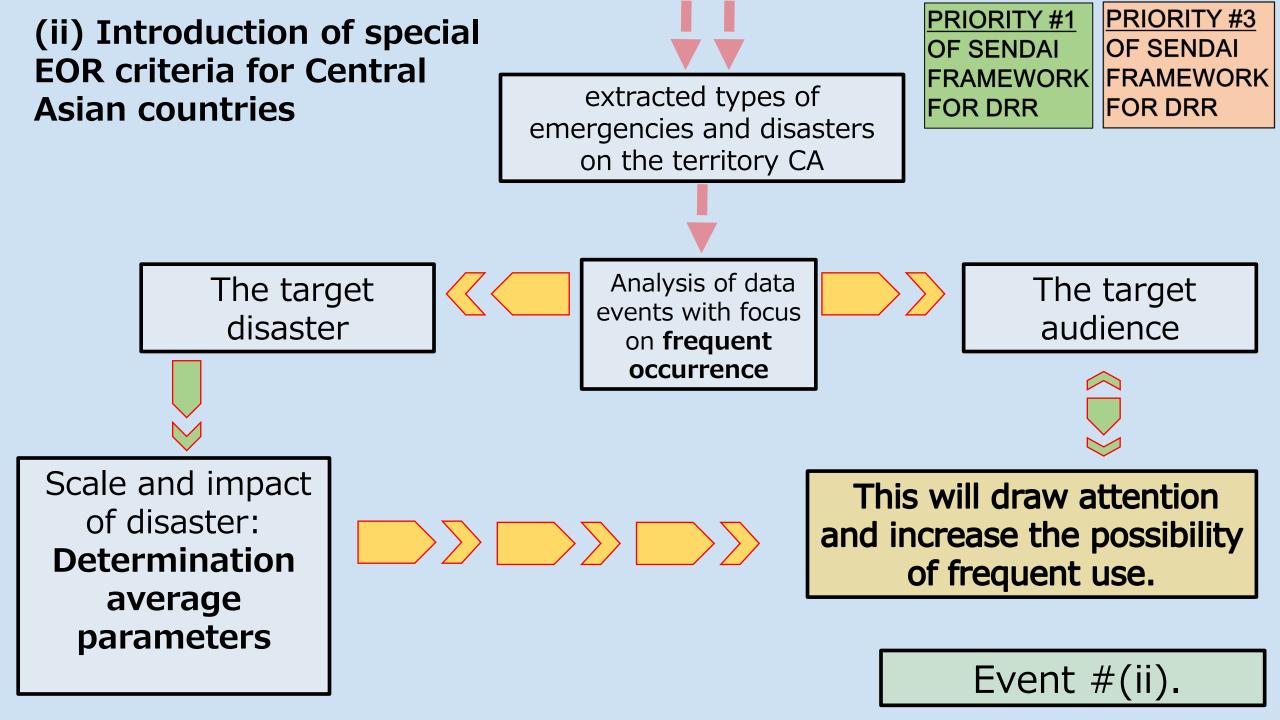
Raising capacity of using satellite images/data for disaster management

Training courses with field visiting Representative site

Ceveloping opportunities for Mini-projects with little funding for Central Asian countries together experts of Sentinel Asia experts .

#### (i) Identification of target disasters and audience in Central Asia





(ii) Why is it necessary to make these changes?

Not always during occurrence of disaster has:

Losses or destruction or evacuation + poor English contact

**person** = may not trigger Sentinel Asia.

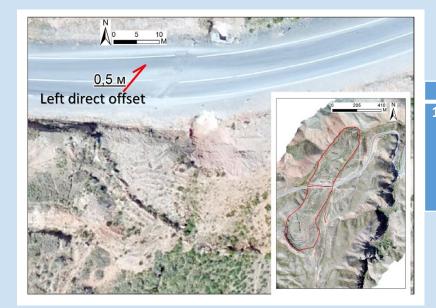
Opportunity to use processing data for small and medium scale disasters and

It will gives impulse to gain experience of prepare EOR and processing data

# Development regular monitoring one of hazardous site in each countries of Central Asian

#### Example:

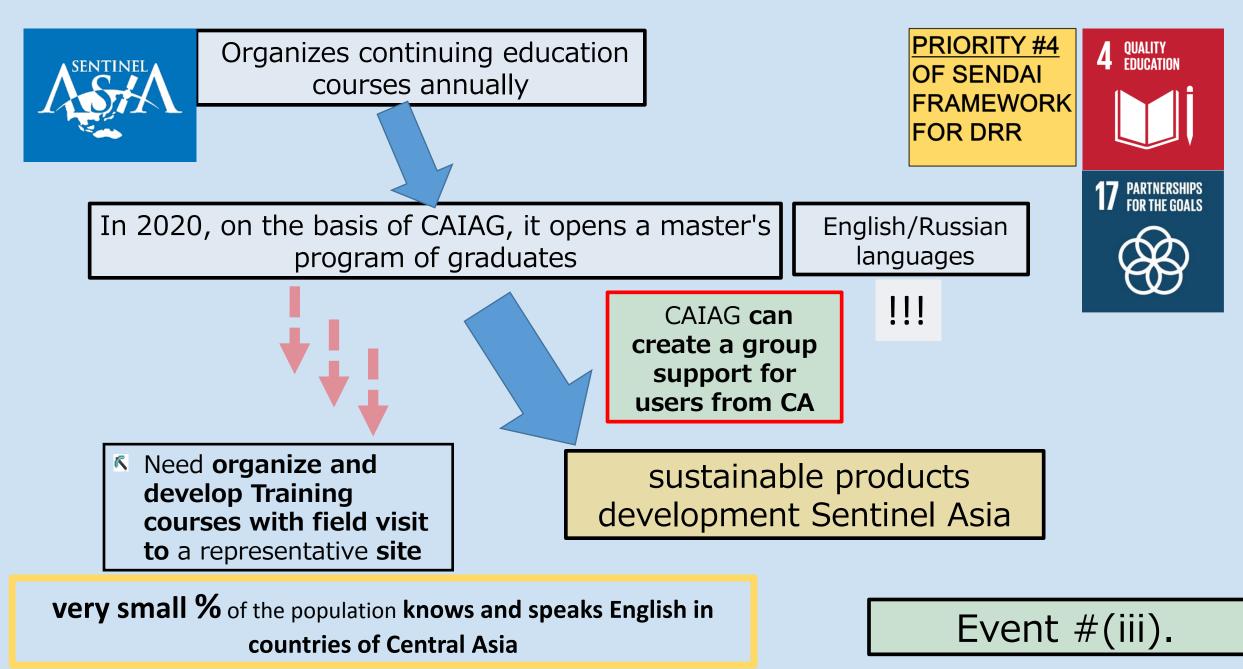
a slowly moving landslide with a surface displacement rate of up to 5-10 cm/year and which break road pavements.



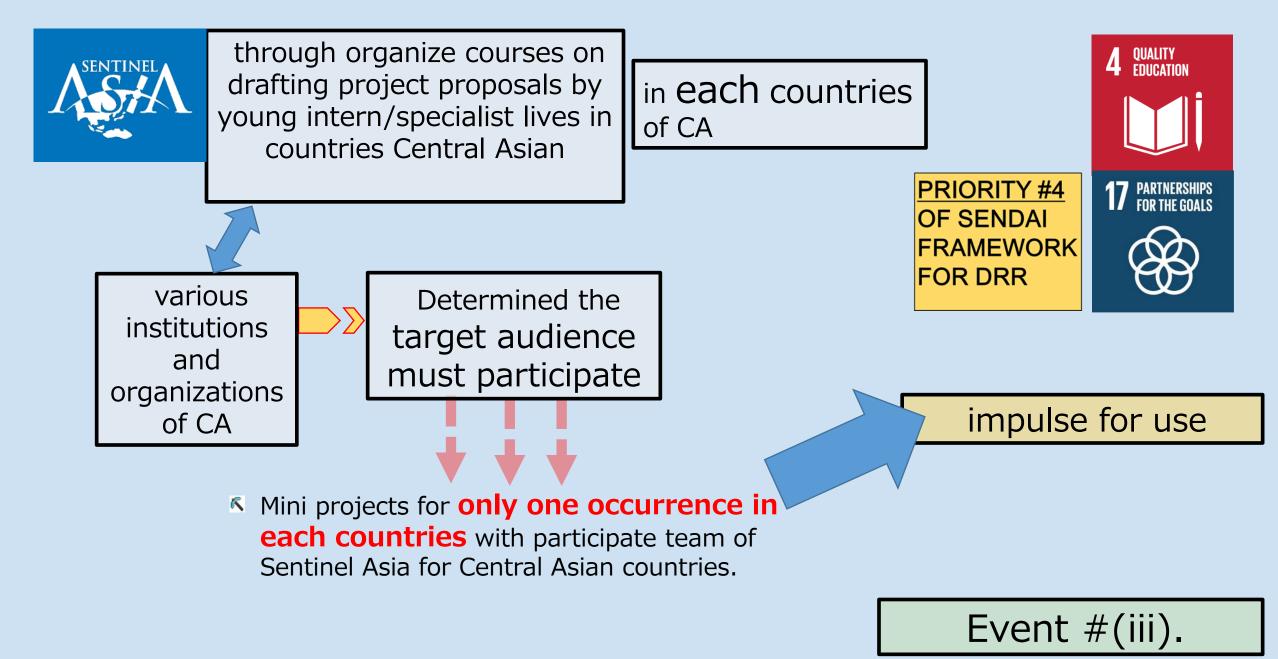
		Parameter
L	Length (on axis)	1090 м
	Width in head part	247 м
	Width in middle part	237 м
	Width in tongue part	171 M



#### (iii) Capacity building for utilization of satellite image/data for disaster management



#### (iii) Building capacity in using satellite images/data for disaster management



# Dear all,

## It was our vision and proposal how we can make step for development of Sentinel Asia in countries of Central Asia

but

we think that necessary together discuss with all members of JPTM and to create "road map" for sustainable development

# Probably have to organize several meeting and discuss with target auditory...



??? of regular monitoring on representative site (-s)

**??? organize product promotion groups on Russian language** 

### Thank you for your attention!

Kyrgyzstan. Alay valley in June. Altitude 3200 m