



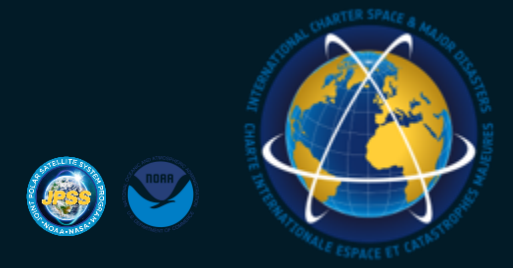
11 Oct. 2022

# Preliminary Satellite Derived Flood Evolution Assessment

Islamic Republic of Pakistan




 Status: Overall decrease of flood waters observed

 Further action(s): continue monitoring



# PAKISTAN




-  International boundary
-  Provincial boundary
-  Line of Control

Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not been agreed upon by the parties.  
The boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations. The United Nations Satellite Centre - UNOSAT is not responsible for the misuse or misrepresentation of the map.

# EVOLUTION OF CUMULATIVE FLOOD IMPACT ASSESSMENT


[26 Sep. to 02 Oct. 2022] Vs. [03 to 09 Oct. 2022]

**03 to 09 Oct. 22**



**~37,000 km<sup>2</sup>**


Flood extent



**~13 M**


Population potentially exposed to floods

**26 Sep. to 02 Oct. 22**



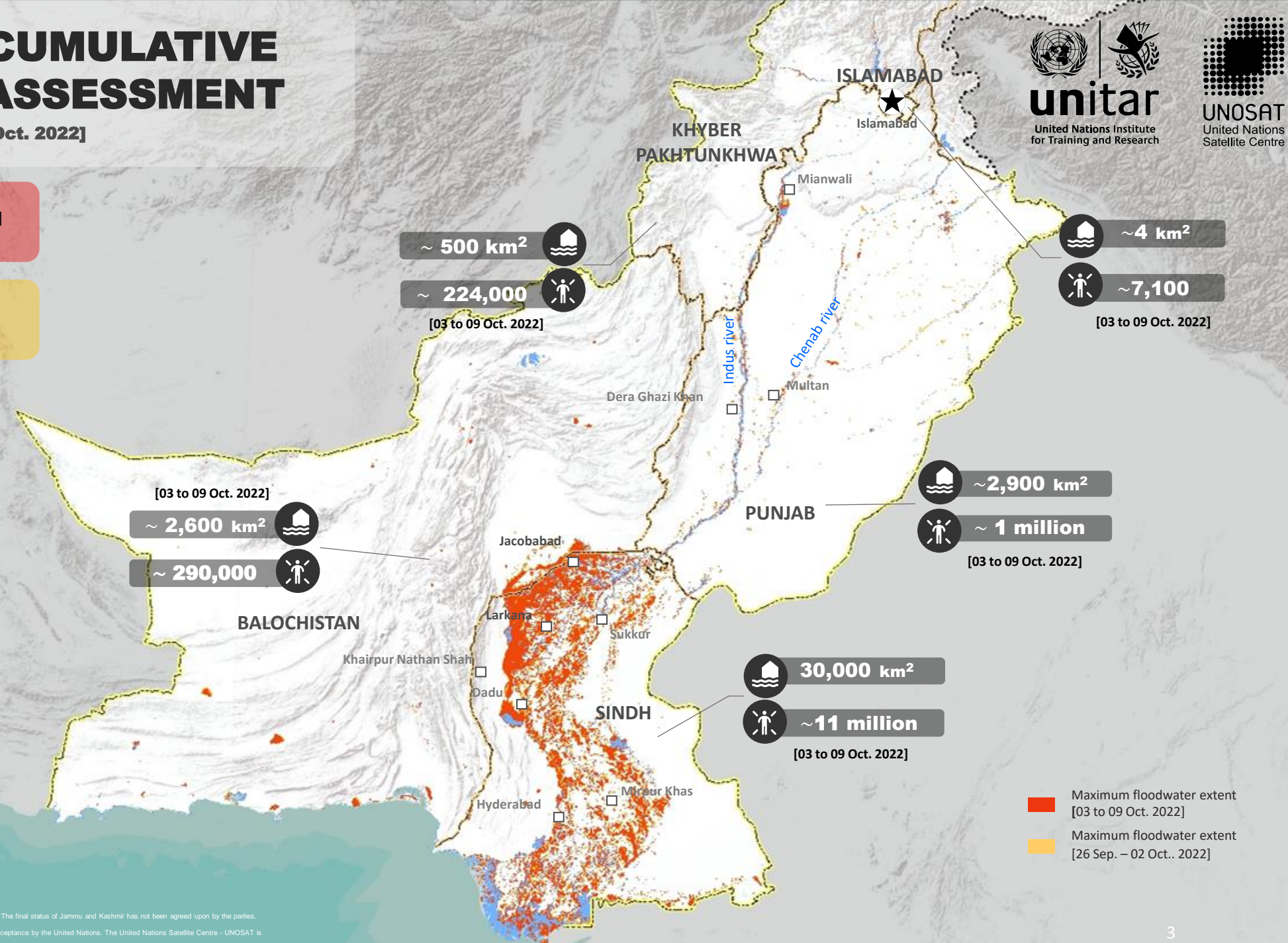
**~42,000 km<sup>2</sup>**

Flood extent



**~15 M**

Population potentially exposed to floods



**~ 500 km<sup>2</sup>**



**~ 224,000**



[03 to 09 Oct. 2022]

**~4 km<sup>2</sup>**




**~7,100**




[03 to 09 Oct. 2022]

[03 to 09 Oct. 2022]


**~ 2,600 km<sup>2</sup>**




**~ 290,000**



**~2,900 km<sup>2</sup>**




**~ 1 million**




[03 to 09 Oct. 2022]

**30,000 km<sup>2</sup>**



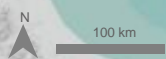
**~11 million**



[03 to 09 Oct. 2022]

■ Maximum floodwater extent [03 to 09 Oct. 2022]

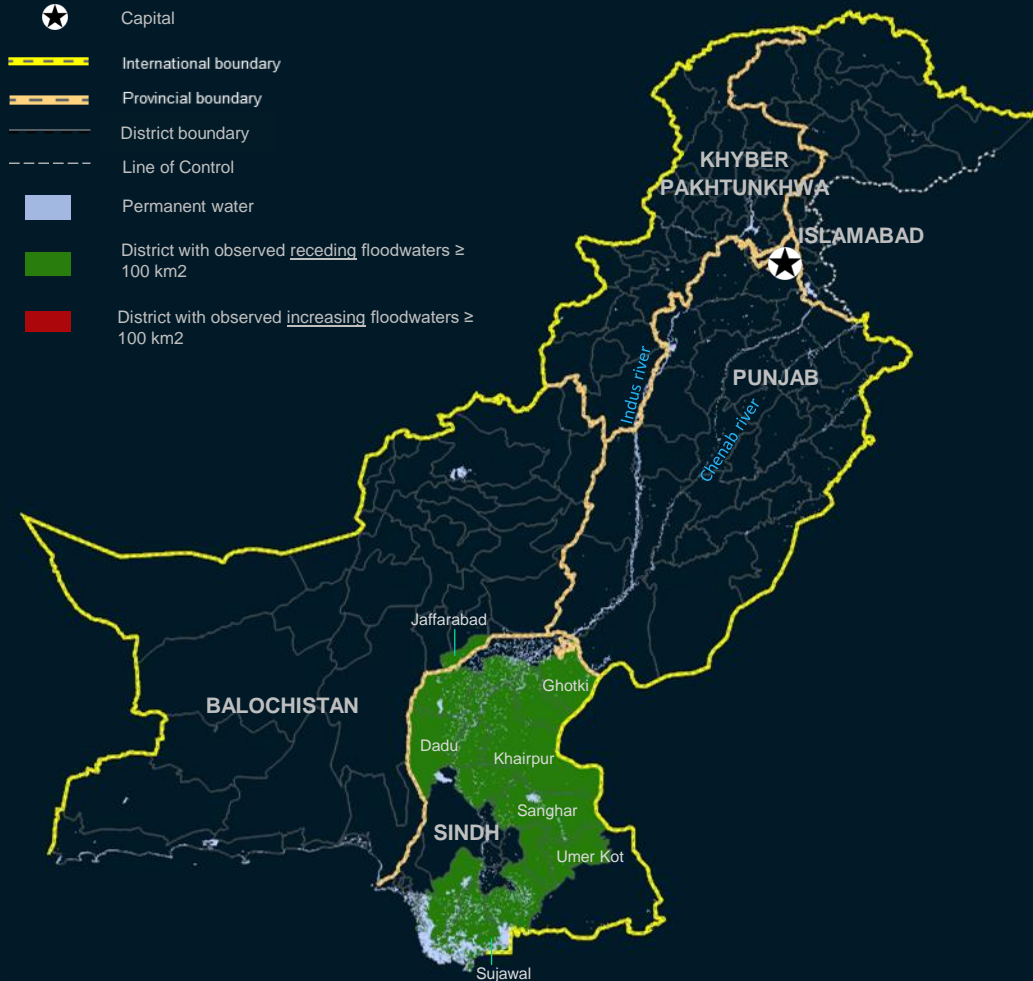
■ Maximum floodwater extent [26 Sep. – 02 Oct. 2022]



Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not been agreed upon by the parties. The boundaries and names shown, and the designations used on this map do not imply official endorsement or acceptance by the United Nations. The United Nations Satellite Centre - UNOSAT is not responsible for the misuse or misrepresentation of the map.

# EVOLUTION OF CUMULATIVE FLOOD IMPACT ASSESSMENT

[26 Sep. to 02 Oct. 2022] Vs [03 to 09 Oct. 2022]

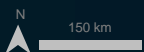


## Balochistan province

- Jaffarabad district  $\downarrow 120 \text{ km}^2$

## Sindh province

- Shikarpur district  $\downarrow 110 \text{ km}^2$
- Khairpur district  $\downarrow 320 \text{ km}^2$
- Naushahro Feroze  $\downarrow 230 \text{ km}^2$
- Sanghar district  $\downarrow 310 \text{ km}^2$
- Shaheed Benazir Abad  $\downarrow 260 \text{ km}^2$
- Mirpur Khas district  $\downarrow 220 \text{ km}^2$
- Dadu district  $\downarrow 200 \text{ km}^2$
- Larkana district  $\downarrow 150 \text{ km}^2$
- Ghotki district  $\downarrow 240 \text{ km}^2$
- Umer Kot District  $\downarrow 160 \text{ km}^2$
- Kambar Shahdad Kot district  $\downarrow 130 \text{ km}^2$
- Sukkur district  $\downarrow 180 \text{ km}^2$
- Thatta district  $\downarrow 170 \text{ km}^2$
- Badin district  $\downarrow 280 \text{ km}^2$
- Sujawal district  $\downarrow 460 \text{ km}^2$



# SUMMARY OF FINDINGS

---

## Evolution of Cumulative Flood Waters over I.R. of Pakistan (26 September-2 October 2022 Vs 26 03-09 October 2022):

- Between 03 and 09 October 2022 approximately 13 million people remain potentially exposed or living close to flooded areas;
- Based on satellite observations between 26 September and 02 October 2022 and compared with observations between 03 and 09 October 2022, the overall flood water extent appears to continue to decrease with approximately 300 km<sup>2</sup> in Balochistan, ~Punjab 900 km<sup>2</sup> and ~4,000 km<sup>2</sup> in Sindh.

# COPYRIGHTS AND SOURCES

Data sources:

## (1) Satellite Image (Post-event)

Satellite Data : NOAA-20/VIIRS

Imagery Date: 26 September to 2 October 2022 and 3 to 9 October 2022

Resolution: 375m

Copyright: NOAA/Suomi NPP

Source: NOAA

## (2) Ancillary data

Administrative boundaries: OCHA Field Information Services Section (FISS)  
[14 September 2022]

Analysis: UNITAR-UNOSAT

Production: UNITAR-UNOSAT

 **@UNOSAT**

 **@UNITAR.unosat**



**UNOSAT**, United Nations Institute for Training  
and Research (UNITAR)  
7 bis, Avenue de la Paix, CH-1202 Geneva 2,  
Switzerland

T +41 22 917 4720  
E [unosat@unitar.org](mailto:unosat@unitar.org)  
[www.unosat.org](http://www.unosat.org)