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Motivation

- Landslide dams causing catastrophic flooding were commonly reported around the world
- Little is known about where landslide dams are clustered and how they connect to climate and geology at the global scale
- For further analysis of landslide dam impact on flood, a detailed and comprehensive dataset of landslide dams with precise spatial location is not currently available at the global scale

Conclusion

- A new global landslide dam dataset is currently developing with 744 records collated from bibliographic works in a number of languages;
- The dataset shows that landslide dam records clustered in the river up-stream areas around the world, which is supported by the spatial distribution and geomorphology data of the records;
- The number of landslide dams record increases exponentially during the past 1000 years, with the highest peak in the last 20 years.





