

1. Record Nr.	UNINA9910392749003321
Titolo	Dam Breach Modelling and Risk Disposal [[electronic resource]] : Proceedings of the First International Conference on Embankment Dams (ICED 2020) / / edited by Jian-Min Zhang, Limin Zhang, Rui Wang
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-46351-6
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XV, 394 p. 242 illus., 188 illus. in color.)
Collana	Springer Series in Geomechanics and Geoengineering, , 1866-8755
Disciplina	627.83
Soggetti	Engineering geology Engineering—Geology Foundations Hydraulics Geotechnical engineering Geoengineering, Foundations, Hydraulics Geotechnical Engineering & Applied Earth Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This proceedings book gathers contributions presented at the First International Conference on Embankment Dams (1st ICED, Beijing, 5–7 June 2020), which was the inaugural conference of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) Technical Committee TC210 on Embankment Dams. The contributions address five themes: (1) case histories on the failure of embankment dams and landslide dams; (2) dam failure process modelling; (3) soil mechanics for embankment dams; (4) dam risk assessment and management;and (5) monitoring, early warning and emergency response. These proceedings offer a unique resource that systematically presents recent dam breaching cases, their social impact, associated risk management strategies, and disposal methods for failed dams. It is an excellent reference guide for dam and levee engineers, flood safety officials, and emergency management agencies.

