

## Establishment of global database on soil erosion and sedimentation

Section 1: General Information	
Summary	By collecting and organizing data of soil erosion and river sediment, related scientific research results of major regions (or countries) in the world, as well as the information of institutions and experts in these fields, IRTCES has preliminarily established a global database on soil erosion and sedimentation.
Proponent Name(s)	International Research and Training Center on Erosion and Sedimentation (IRTCES)
Proponent Type	International organization
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Region	Global

Section 2: Commitment	
Linkages to SDG 6	Support Local Engagement in Water and Sanitation Management
Target	(1) To provide data support for domestic and foreign soil and water conservation, sediment research and management workers; (2) To provide basis for decision-making by governmental departments, and in providing information source for international cooperation and exchange activities.
Linkages to other SDG	Climate Action

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme	Knowledge and Innovation	
Actions and Outcomes	By the end of 2023, a platform has been constructed, the total data volume has been reached 17,000 items, including more than 10,000 items in Chinese and more than 7,000 items in English.	
Implementation Period	Start Date	2019
	End Date	continuous
Financial Commitment	This project was financially supported by the Ministry of Water Resources of China.	

Section 1: General Information	
Title	The International Sediment Initiative (ISI)
Summary	The International Sediment Initiative (ISI) was established in 2002 to promote the sustainable management of sediment globally. The overall objectives of ISI include: improving understanding of sedimentation and soil erosion, improving and sustainably managing soil and sediment resources, promoting scientific research, and providing better advice for policy decision-making and implementation. As one of the 15 flagship

	programmes of the Intergovernmental Hydrological Programme (IHP) of UNESCO, it is listed as one of the priorities of the UNESCO IHP Phase IX Strategic Plan (2022-2029).
Proponent Name(s)	UNESCO and International Research and Training Center on Erosion and Sedimentation (IRTCES)
Proponent Type	International organization
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Region	Global

Section 2: Commitment	
Linkages to SDG 6	Protect and Restore Water-Related Ecosystems
Target	<p>The objectives of ISI are to:</p> <ol style="list-style-type: none"> <li>(1) Support the global agenda for sustainable integrated land and water resources management through sound sediment management;</li> <li>(2) Link science with policy and management needs at the local, regional and global scale, as well as in transboundary settings;</li> <li>(3) Promote the development of an improved understanding of sediment mobilization, transport and storage and sediment budgets at local, regional and global scales, to support effective sediment management;</li> <li>(4) Strengthen the capacity for sediment management, through education, training and the promotion of cooperation among stakeholders;</li> <li>(5) Communicate the importance of sediment management to decision makers and the public.</li> </ol>
Linkages to other SDG	Climate Action

Section 3: Actions and Outcomes to Achieve Targets		
Relevant Sub-Theme	Disaster Risk Reduction and Management	
Actions and Outcomes	<p>The secretariat of ISI is set in the International Research and Training Centre on Erosion and Sedimentation (IRTCES). To promote the sustainable sediment management worldwide, IRTCES held online meetings of the ISI Advisory Board 2-3 times a year, updated the ISI website and the ISI Information System, edited and published quarterly newsletters, and organized meetings and training courses, etc. The "Sedimentation Measurement and Monitoring" training symposium, for example, was hosted on 5-9 July 2021, fully implements the Action Plan of IHP Phase VIII (2014-2021) under the theme of "Water Security Responses to Local, Regional and Global Challenges", targeting developing countries engaged in sediment measurement and monitoring by providing sediment measurement and monitoring technologies, methods and new concepts involved in sediment measurement and monitoring. The training was attended by 214 registered trainees from 61 countries and territories, with more than 870 online participants.</p>	
Implementation Period	Start Date	2002
	End Date	continuous
Financial Commitment	IRTCES will continued to provide support to ensure the implementation of ISI.	