

Cover Story

The Mekong Dam Monitor provides unique insight into the changes that dams have caused to the Mekong River's natural flow

5 World News

Groups propose improvements to licensing and to restore autonomy to tribes in the US, new projects start up in Nigeria and Uganda

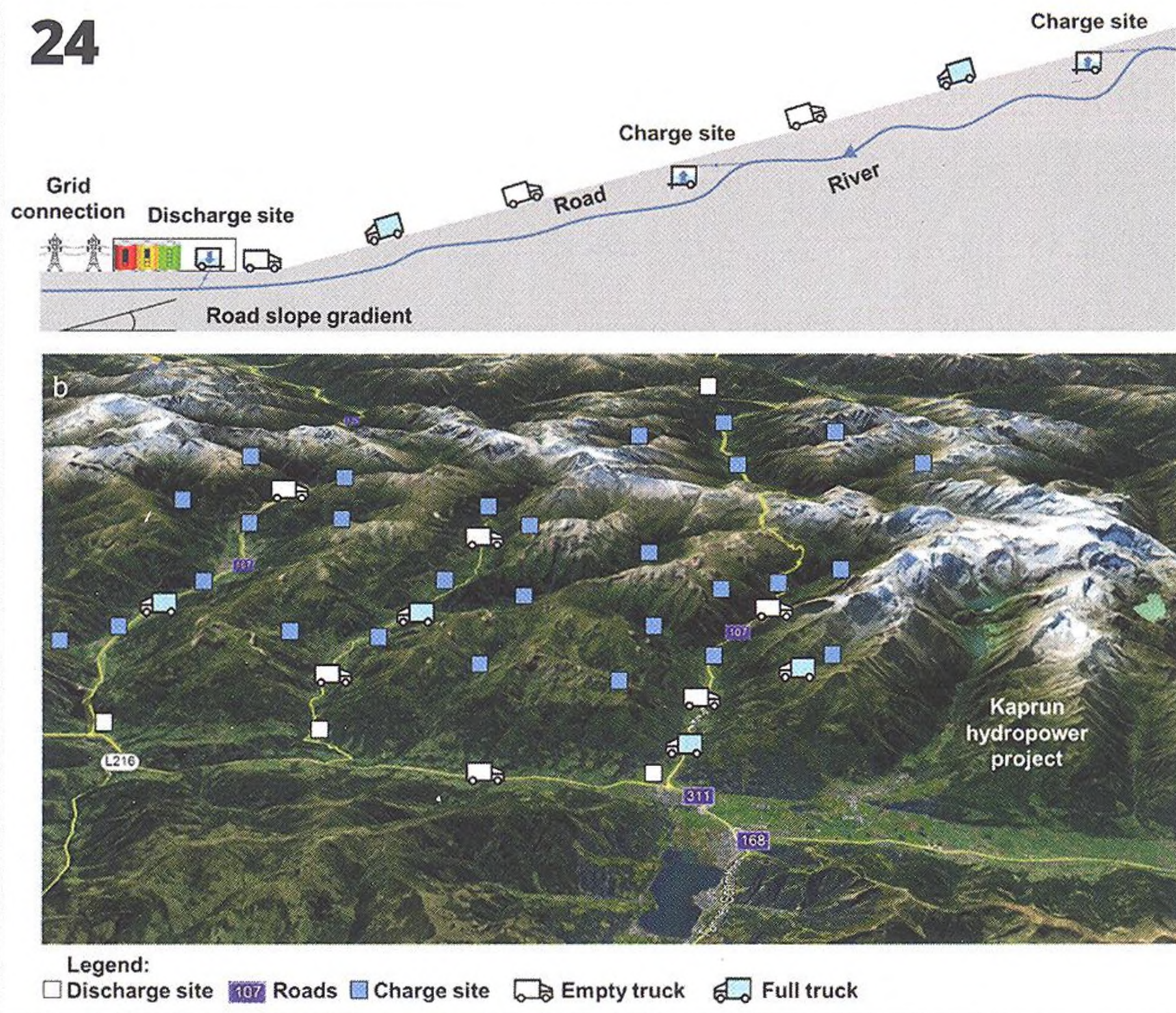
8 Spotlight

The Australian government believes that investing in dam development is vital to securing a strong economy while supporting farmers and industry

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Construction

10 The height of construction

IWP&DC takes a look at the role of cranes at a dam construction project, and highlights some recent products released to the construction market

14 Challenging China Drive

A TBM from Robbins triumphs over one of the most difficult tunnels ever encountered at China's Yin Han Ji Wei project. During tunnelling, crews encountered over 14,000 rock bursts, some with energy as high as 4,080 kJ

24 Electric Truck Hydropower

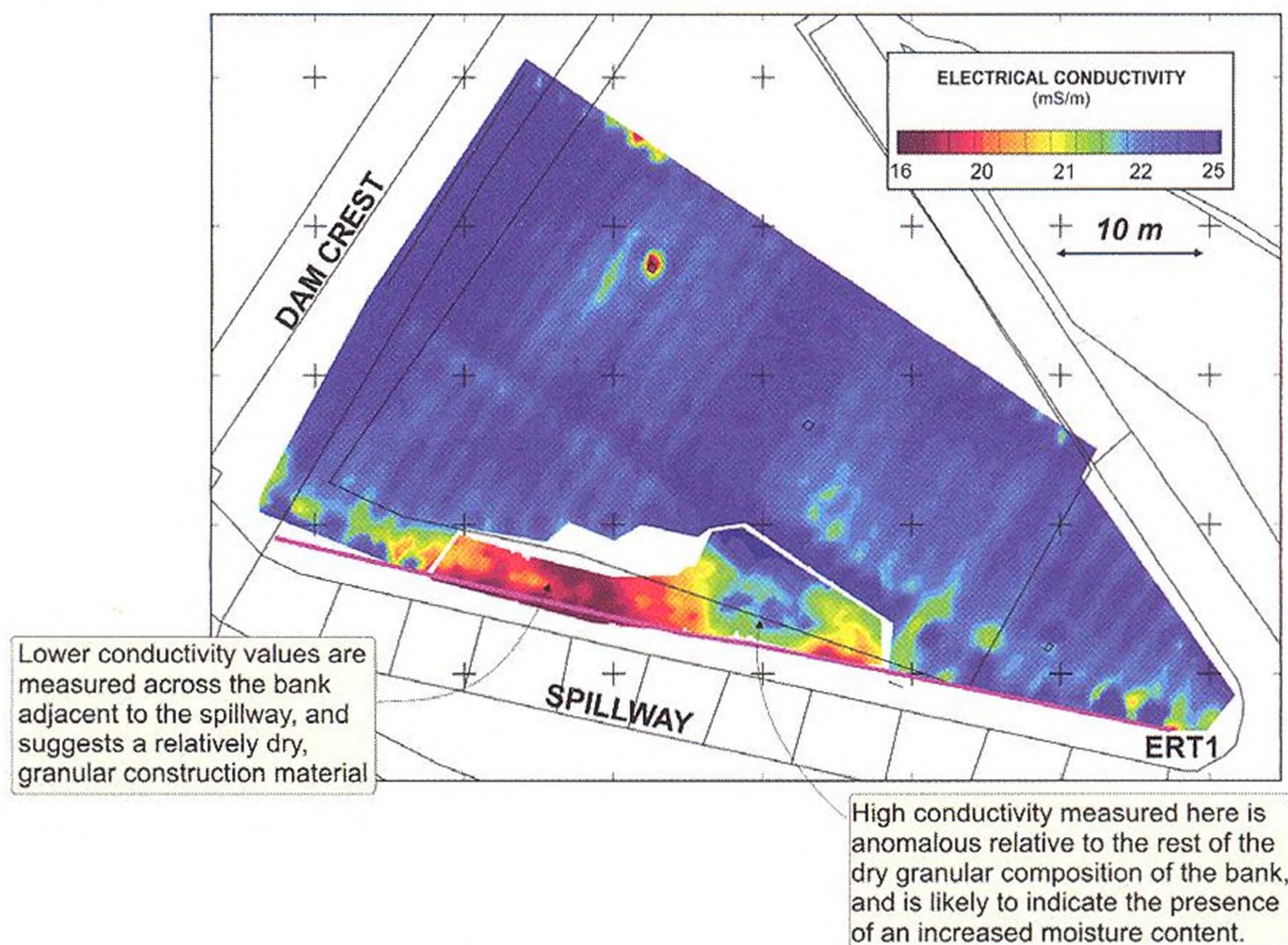
Julian David Hunt, from the International Institute for Applied Systems Analysis in Austria, explains how electric truck hydropower could be a more flexible alternative to hydropower in mountainous regions

26 Advancements in geophysics on dams

Dr Jo Hamlyn, Senior Project Geophysicist, and Christian Bird, Technical Manager at TerrDat, explain how integrated geophysical surveys can help answer important questions about dam and spillway condition

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A) Electromagnetic Ground Conductivity



Research

16 Mekong Dam Monitor: Providing a Picture of How Dams Impact the Mekong River

Mekong Dam Monitor data reveal impacts of upstream dams and point to ways transboundary cooperation can improve downstream outcomes during times of drought and crisis. Brian Eyler, Alan Basist, Regan Kwan, Courtney Weatherby and Claude Williams give more details and summarise three new findings from the first year of MDM activity using data produced by the MDM as well as the MRC's historical database.

29 Resourceful tools

A new integrated marine data toolbox for developers of ocean energy devices will reduce barriers and promote growth within the sector

Large dams

30 Dam builds

Construction on dam projects globally is continuing in earnest, with a number of projects set to be completed within the next few years

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