

See the Flow Before It Happens. HYDRAULIC MODEL EXPERIMENTS



ACCURATE

Physical-Scale Validation

Physical models reproduce floods, sediment movement, and driftwood behavior to verify key hydraulic phenomena.



RELIABLE

Confidence Before Construction

Experiments evaluate Sabo dams, channel works, and sediment detention basins before implementation to support safer designs.



INSIGHTFUL

Visible Evidence for Better Decisions

Visual results, measurements, and videos help stakeholders understand performance and make informed decisions.



Enriching life
through engineering

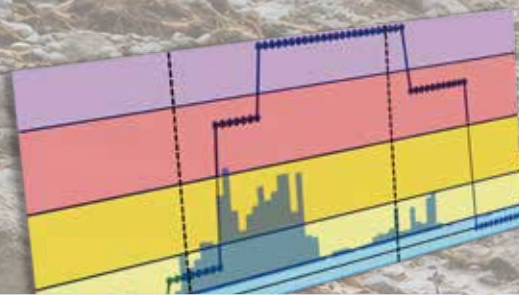
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Sediment-Disaster Early Warning, Anywhere on Earth.

DOSHA-KIJI

Sediment Disaster Early Warning System



DAY ONE

No Historical Data Required

Ready from Day One — no long-term rainfall records required.



60-MIN

Flexible rainfall inputs

Ground gauges or satellite rainfall — a 60-minute cumulative rainfall value is all it takes, even where observatory networks are sparse.



WIDE-AREA

Soft measures save lives

It is infeasible to build protective structures everywhere. Region-wide warnings protect human lives at low cost.