



STOPDEBRIS



Promote more effective structural mitigation for debris flows through the development of practical design guidelines for slit-dams

STOPDEBRIS project description:

Debris and hyper-concentrated flows are among the most destructive of all water-related disasters. For that reason, in recent years, these kinds of phenomena have attracted more and more attention from the scientific and professional communities and concern from public awareness, due to the increasing frequency with which they occur and the **potential for destruction of property and loss of human lives** which they often cause.

STOPDEBRIS focuses on **reduce the uncertain typically associated with the design of structural mitigation solutions for debris flows**, namely slit-dams. In fact, most of those structures have been designed based on empirical methods and, according to historical records, they tend to present an ineffective behavior during debris flow occurrences.

STOPDEBRIS main objectives are:

- Develop and test new structural mitigation solutions for debris flow (based on physical model results)
- Develop practical design guidelines for slit-dams
- Promote more effective structural debris flow mitigation

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