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OPEN DAY ON DAMS

2023

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Facoltà di Ingegneria Civile e Industriale
Sapienza Università di Roma

ATTIVITA' ESPLORATIVE

Attività esplorative – 1. Introduzione



L'esplorazione del sito diga consente di acquisire informazioni dirette come ad esempio:

1. Toccare con mano il materiale su cui sorgerà lo sbarramento;
2. Osservare attentamente la geologia e la morfologia del territorio;
3. Valutare gli accessi e le difficoltà logistiche da affrontare in fase di indagine.

Alcune tra le principali attività sono:

1. Rilievo geologico di superficie;
2. Topografia;
3. Misure di portata;
4. Indagini geognostiche.



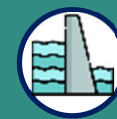


INDICE

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2. RILIEVI TOPOGRAFICI
3. MISURE DI PORTATA
4. INDAGINI GEOGNOSTICHE
5. LOGISTICA
6. SOCIALIZZAZIONE
7. IMPREVISTI



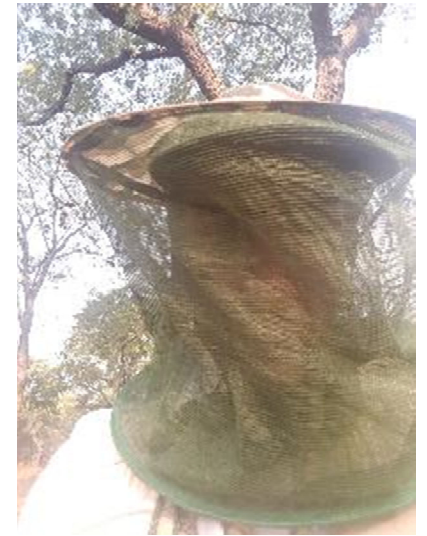
Attività esplorative – 2. Esplorazione



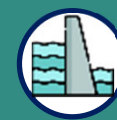
Attività esplorative – 2. Esplorazione



Lufubu (Zambia) – 2016



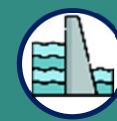
Attività esplorative – 2. Esplorazione



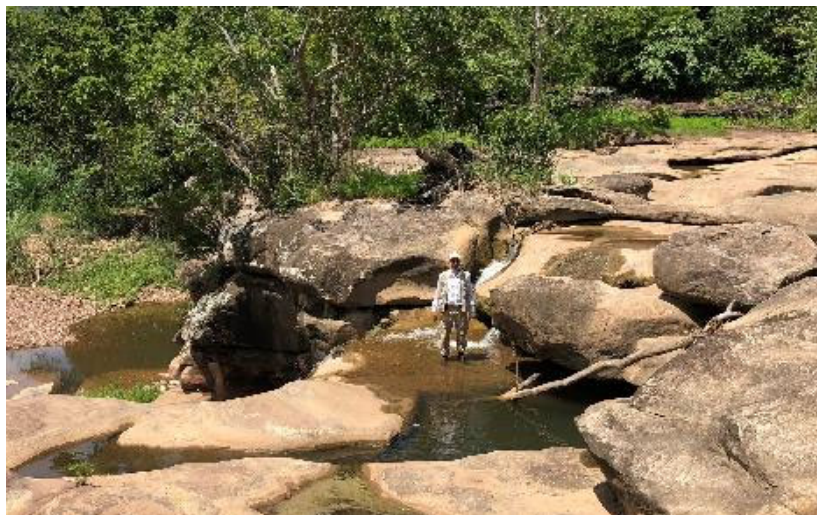
Kakono (Tanzania) – 2018



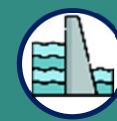
Attività esplorative – 2. Esplorazione



Malagarasi (Tanzania) – 2018



Attività esplorative – 2. Esplorazione



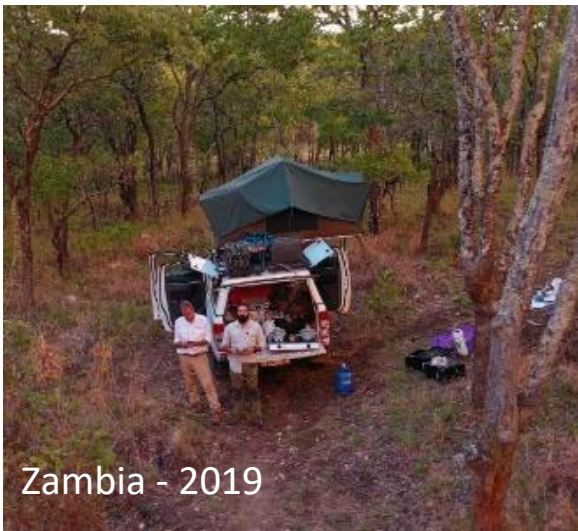
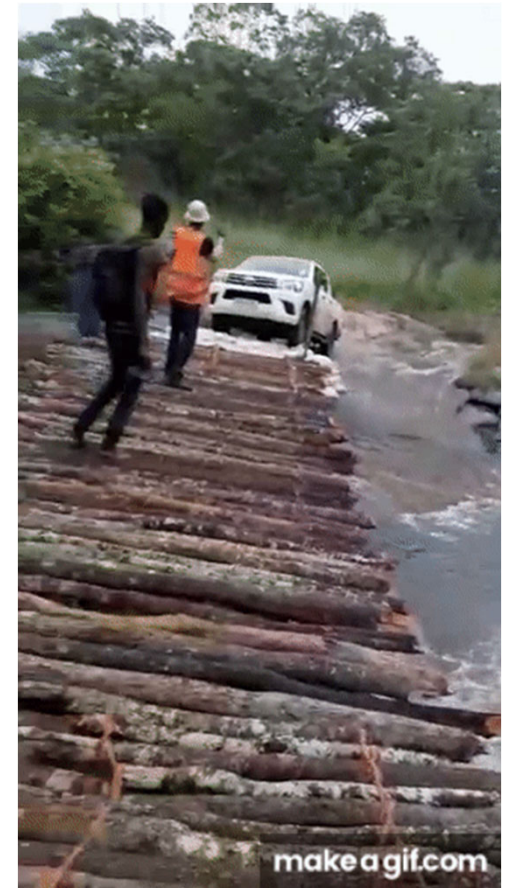
Lower Ba (Fiji) – 2019



Attività esplorative – 2. Esplorazione



Mulembo Lelya HPP (Zambia) – 2019



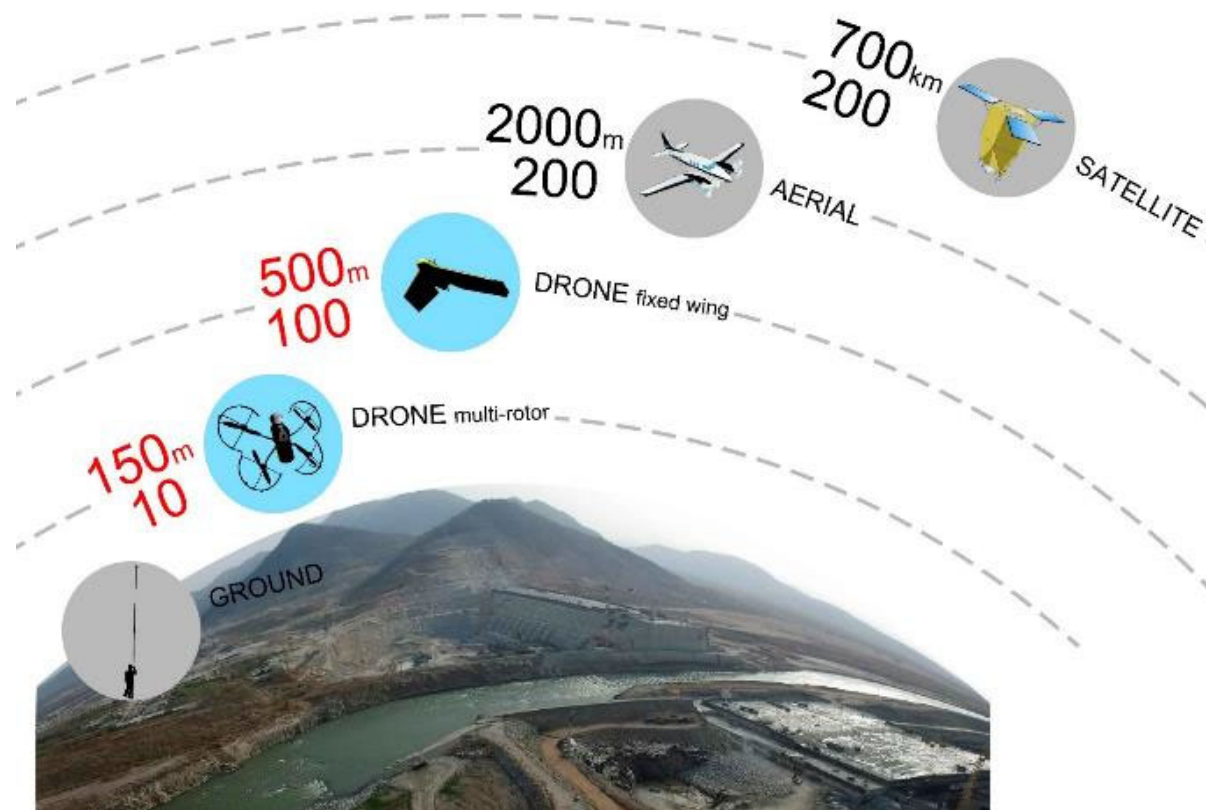
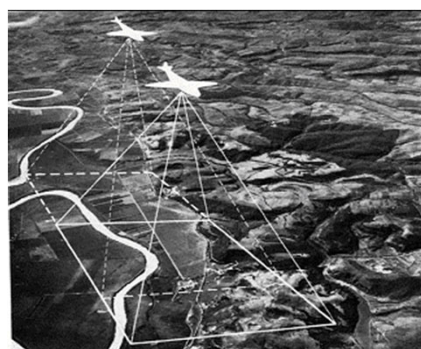
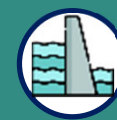
Zambia - 2019



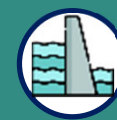
Zambia - 2019

2019-11-24 18:25

Attività esplorative – 3. Rilievi topografici



Attività esplorative – 3. Rilievi topografici



Lower Ba (Fiji) – 2019



Attività esplorative – 3. Rilievi topografici



Kakono e Malagarasi (Tanzania) – 2018



Attività esplorative – 3. Rilievi topografici



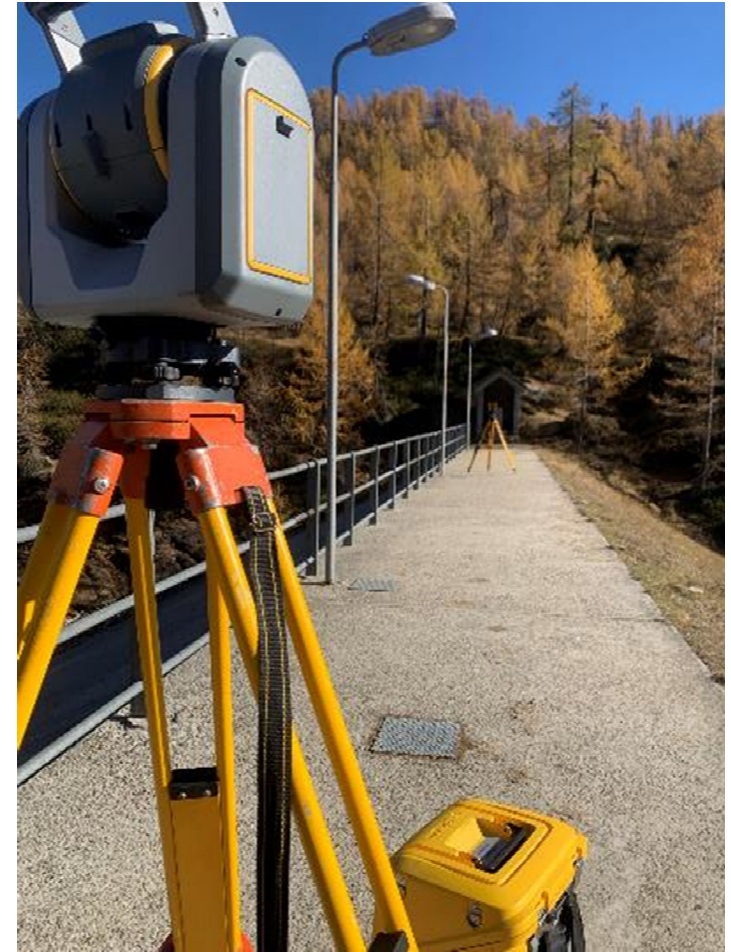
Lago Ballano (Italia) – 2020



Attività esplorative – 3. Rilievi topografici



Forcoletta (Italia) – 2022



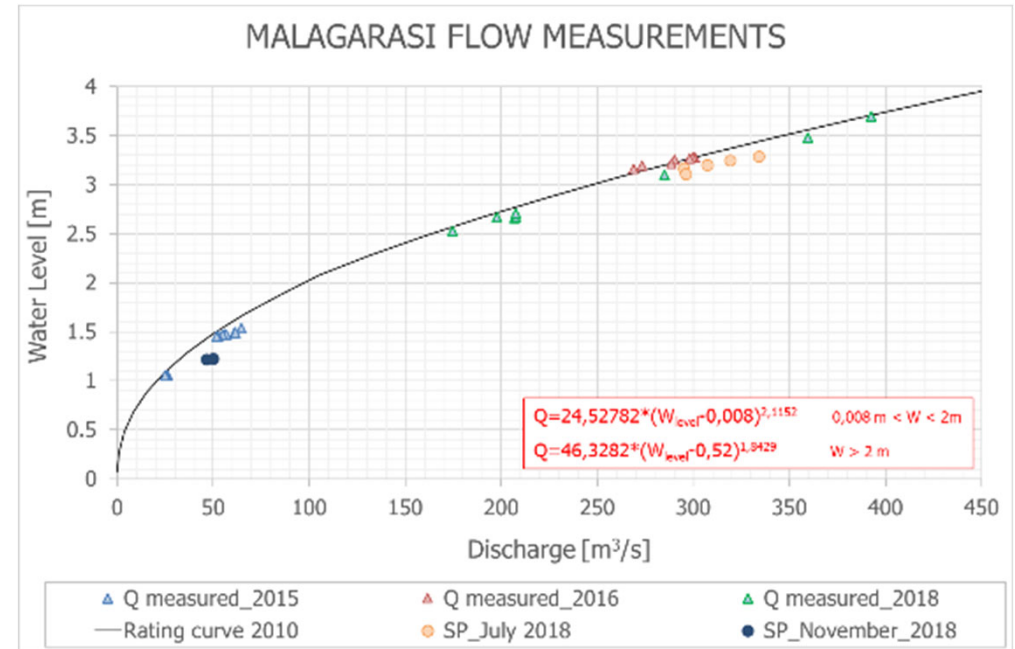
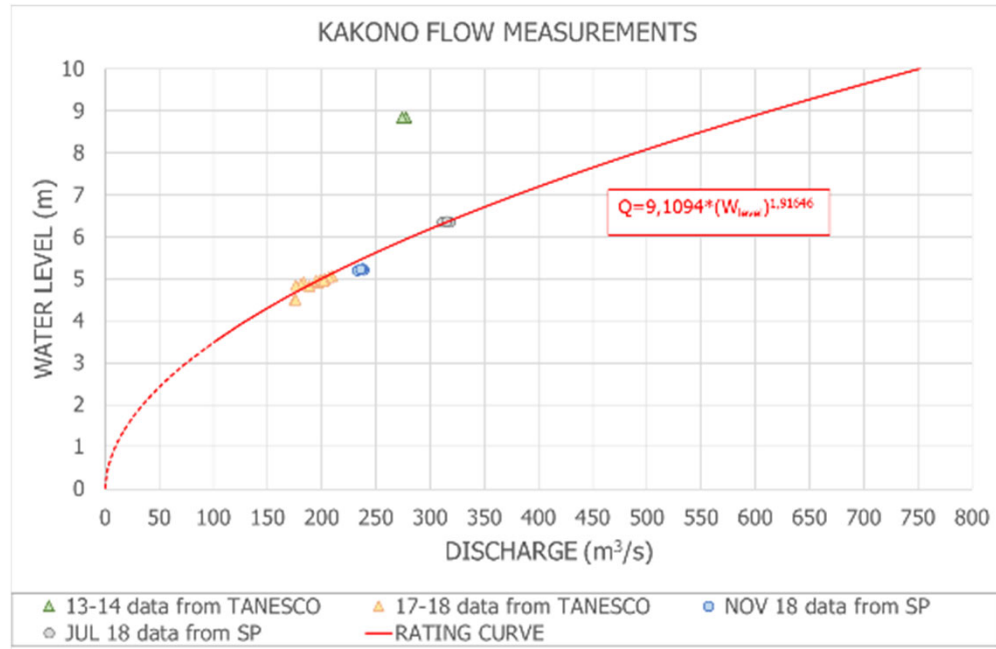
Attività esplorative – 3. Rilievi topografici



Lago Vannino (Italia) – 2022

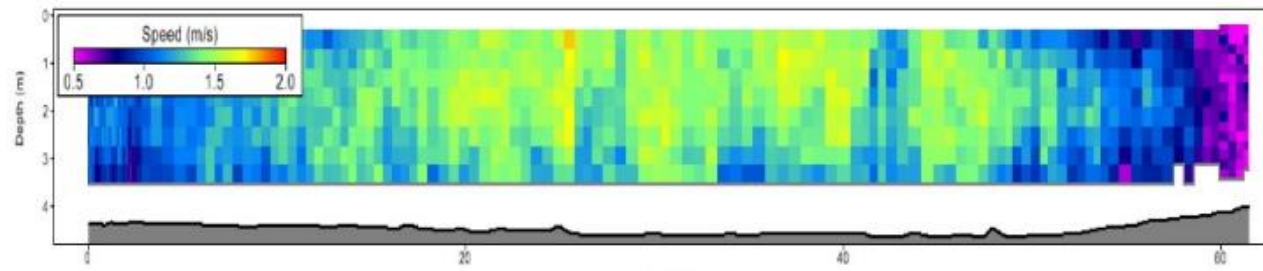


Attività esplorative – 4. Misure di portata



Area (m2)	278
Mean Speed (m/s)	1.141

Water LEVEL		
G-AREA STATION		
East	North	Water Level
9866867	302072	6.35



Water Level m	River Discharge m³/s
6.35	318

Attività esplorative – 4. Misure di portata



Kakono (Tanzania) – 2018



150705_kakono mis portata CAVO PILOTA 2d15.JPG



150706_kakono MISURA DI PORTATA 1d13.JPG



Attività esplorative – 4. Misure di portata



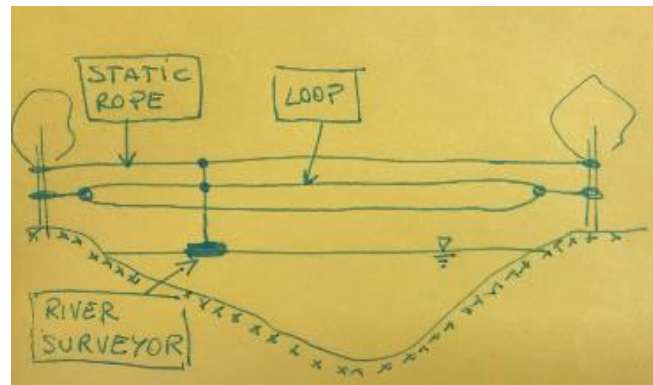
Malagarasi (Tanzania) – 2018



190714_malagarasi mis portata CABLEWAY.jpg

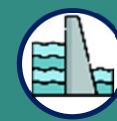


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190714_malagarasi mis portata F13URAZZON.E (2).jpg

Attività esplorative – 4. Misure di portata



Lower Ba (Fiji) – 2019



Attività esplorative – 5. Indagini geognostiche



- Analisi granulometrica
- Limiti di Atterberg

• Classificazione USCS

- Prove di taglio diretto

• c', ϕ' ;

- Prove triassiali

-T x UU

-T x CU

-T x CD

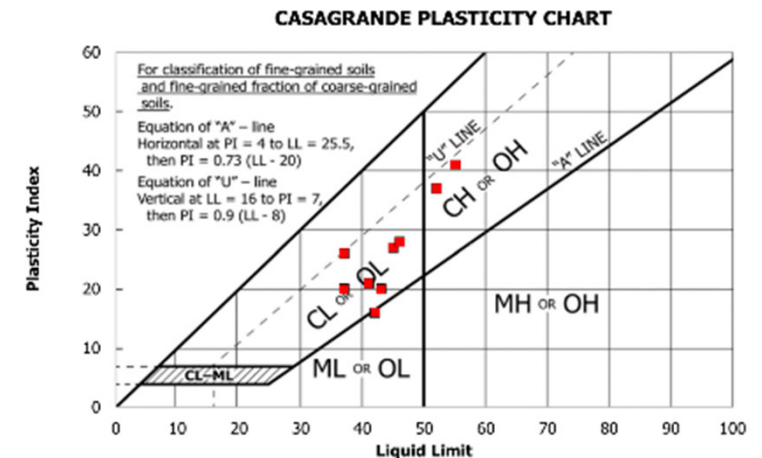
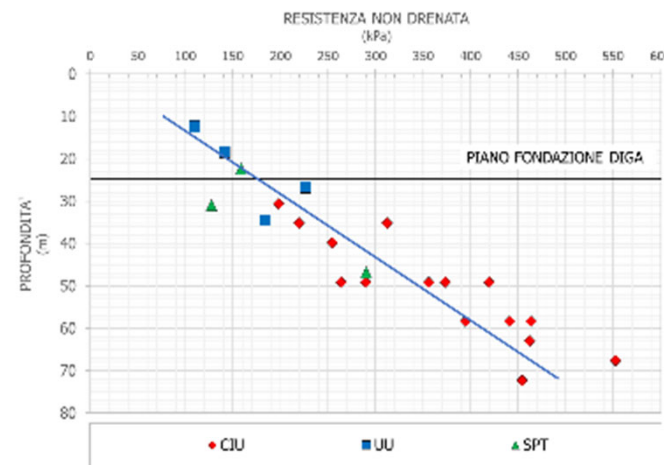
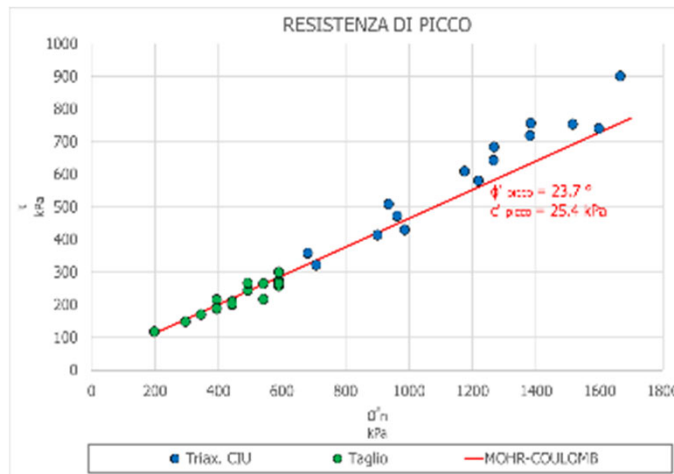
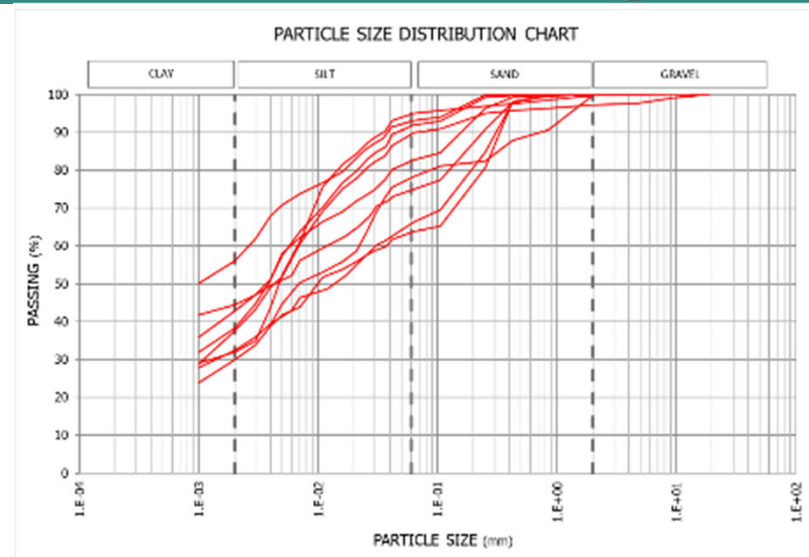
• c_u ;

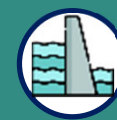
• c', ϕ' ;

• c', ϕ' .

- Prove di compressione edometrica

• M.





Ruka (Uganda) – 2015



Attività esplorative – 5. Indagini geognostiche



Lufubu (Zambia) – 2016





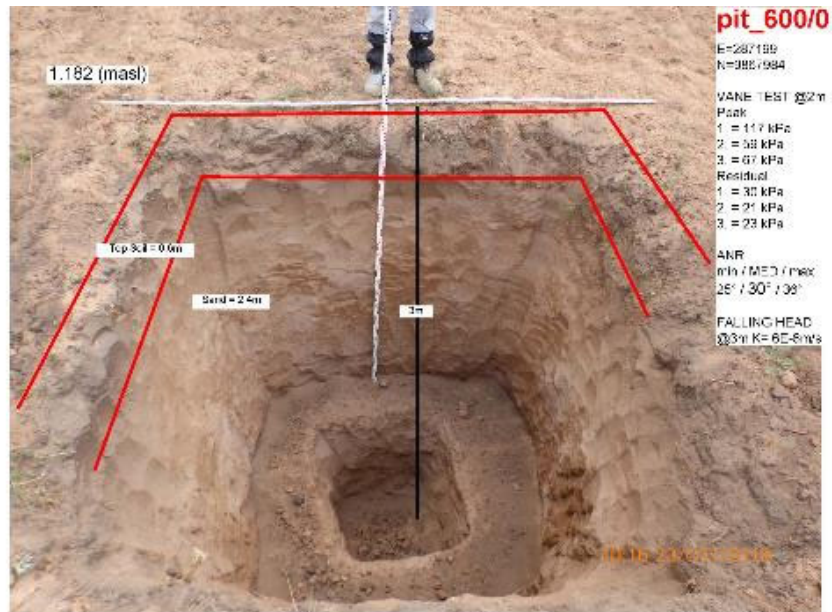
Anguilles (Mauritius) – 2019

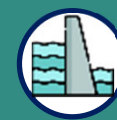


Attività esplorative – 5. Indagini geognostiche



Kakono (Tanzania) – 2018

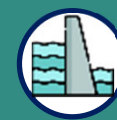




Lago D'Avino (Italia) – 2022

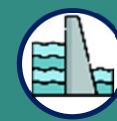


Attività esplorative – 5. Indagini geognostiche



Selva e Monte Cotugno (Italia) – 2022







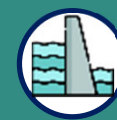
Kakono (Tanzania) – 2018





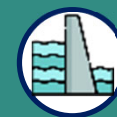
Lago D'Avino (Italia) – 2022

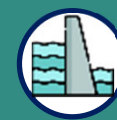




Lufubu (Zambia) – 2016







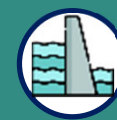
Lufubu (Zambia) – 2016





Anguilles (Mauritius) e Lower Ba (Fiji)

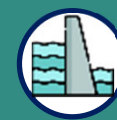




Bagrè (Burkina Faso) – 2017

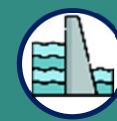


Attività esplorative - 7 Socializzazione



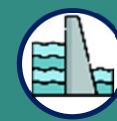
Kakono e Malagarasi (Tanzania) – 2018



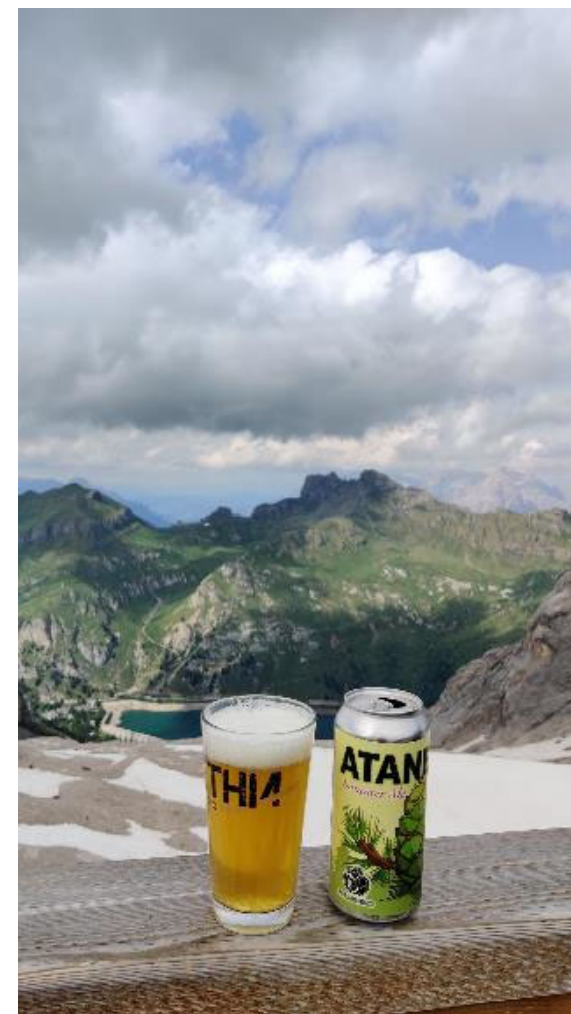


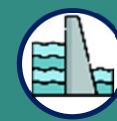
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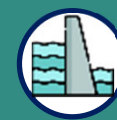




Maria al Lago (Italia) – 2021

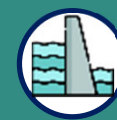






Lufubu (Zambia) – 2016





Kakono e Malagarasi (Tanzania) – 2018





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