

MUSE successful education activities on Water and SDGs

Massimiliano Tardio

PhD Evolutionary biology, Public engagement curator, MUSE Science Museum, Trento (Italy)
massimiliano.tardio@muse.it

Lucilla Galatà

MSc in Science Communication. Project Manger LIFE FRANCA, MUSE Science Museum, Trento (Italy)
Lucilla.galata@muse.it



Trento: 115.000 inhabitants, capital city of the Autonomous Province of Trento, in the Italian Alps mountain area.



Trento and the Adige River



Trentino:
an extraordinary variety
of (aquatic)
environments,
landforms and climatic
conditions.



The Dolomites UNESCO World Heritage

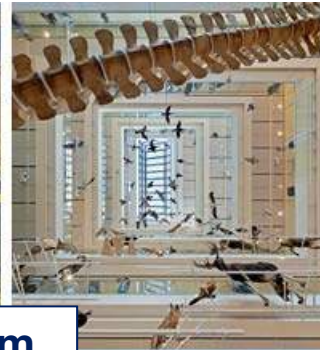
300 lakes



2,000 km of running waters



Lake Garda



MUSE Science Museum



The Promise of MUSE

A journey into the fabulous space of MUSE to appreciate the uniqueness of the Alpine Nature and to imagine Smart solutions for our common Sustainable Future.

Numbers:

12,600 m² of space; 500,000 visitors/year; 200,000 students/year; 50ML €/year the positive impact on city economy; 240 FTE employees.



The MUSE museums network



The MUSE most successful education activity on Water is...

The "red" lake



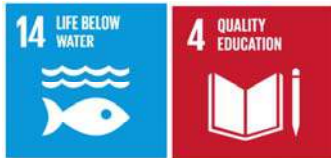
Science & theatre



Interpretation



Summer schools for University students



Lake Tovel Limnological Station



Science & theatre



MUSE

From classical to «extreme» science communication examples



Open labs



Science & Theatre



Science & Art



Science & Art



Science & Aerobics



Night at the Museum



Science & Food



Drink & Think



Murder at MUSE

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6




11

13 ACTION



14 WATER



15 ON LAND



16 STRONG INSTITUTIONS



17 FOR THE GOALS



The MUSE most successful education activity on SDGs is...



Temporary Exhibitions



Itineraries



Permanent Exhibitions



Laboratories



Gaming





Gaming





A European project promoting flood risk anticipation and awareness in the Alps

LIFE 15 GK/TT/00030



LIFE
FRANCA

FRANCA
Flood Risk ANticipation and
Communication in the Alps



WHY LIFE FRANCA?



Dimaro, 30/10/2018



San Pellegrino, 30/10/18



Mezzolombardo, 10/08/18



Pozza di Fassa, 9 August 2017



Moena, 3 July 2018

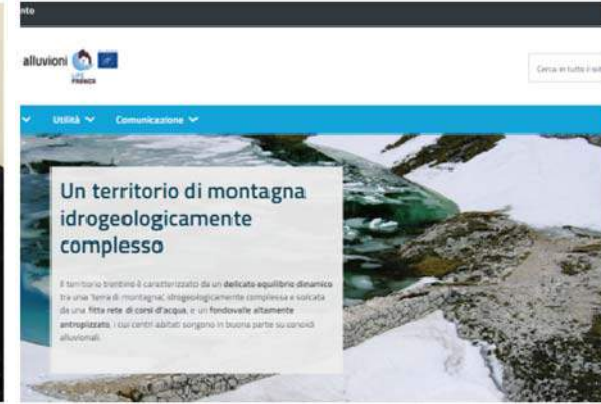
MAIN ACTIONS



Data and analysis



Strategic scenarios



Portal



Professional trainings



Networking



Education and communication

EDUCATIONAL ACTIVITIES FOR STUDENTS



Science on a sphere: Floods & co



IBSE Lab *Know your territory: is there any hazards?*



Lab Arduriver



PlayDecide Lab *Flood: how to defend ourselves?*

TEACHER'S TRAINING COURSE



Indoor module: *Risks and society*



Outdoor module: *The gorge near Ponte Alto (TN)*



Visit to the *Flood control room*



Outdoor module: *Ravina and Gola stream (TN)*

EDUCATIONAL VISIT FOR JOURNALISTS



Borgo Valsugana firemen demonstration



Managing flood hazard in Borgo Valsugana



Managing flood hazard in Trento



Managing flood hazard in Ravina (TN)

ITINERANT EXHIBITIONS AND SCIENCE CAFÈS



Nature in motion. Avalanches, landslides and floods: knowing is preventing



Nature in motion. How can we defend ourselves from floods

EDUCATIONAL VIDEOS



HAI PAURA DELLE ALLUVIONI A TRENTO?
Rispondono i cittadini

Un video realizzato nell'ambito di LIFE FRANCA, progetto europeo per conoscere e anticipare il rischio alluvionale nelle Alpi



LIFE FRANCA
anticipiamo le alluvioni

LIFE18-GC017/500002
Con il contributo LIFE, uno strumento finanziato dall'Unione Europea

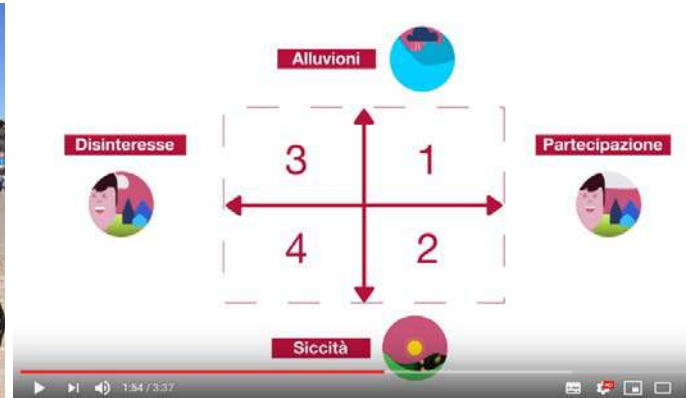


Diagram illustrating the relationship between Alluvioni (Floods) and Siccità (Drought) across Disinteresse (Disinterest) and Partecipazione (Participation).

	Alluvioni	
Disinteresse	3	1
Partecipazione	4	2
	Siccità	



Roberto Poli
Università degli Studi di Trento

0:28 / 4:17



You Tube

https://www.youtube.com/channel/UC_L3eSuZ-1zyHOngmkLH1IA



MUSE

PUBLIC ENGAGEMENT



2018 Researcher's night



**Flood warning and earthquake emergency:
let's be ready**



**Conference: Hydrogeological
instability.**



**GeoShow. Water, land and fire:our planet natural
hazards**



**Giornata mondiale per la riduzione
dei disastri naturali**

**UNESCO International Day
for Disaster Reduction**

2017 Unesco international Day for Disaster Reduction