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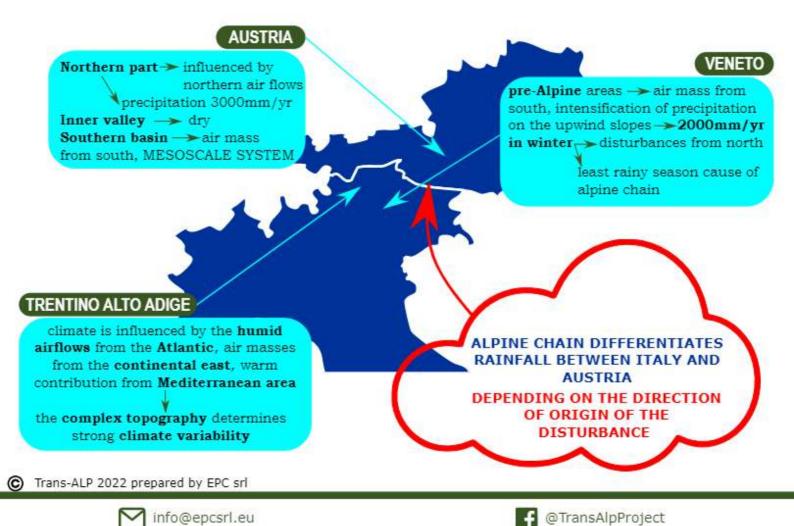
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TRANS-ALP

Transboundary Storm Risk and Impact Assessment in Alpine Regions

CLIMATOLOGICAL CHARACTERISTICS AND EVENT TYPES



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THE TRANS-ALP NUMBERS

The Trans -Alp project
developed over 2
years, in which 3
countries and 5
partners worked on
data from 3 test
areas, setting
themselves
4 main objectives

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AGORDINO

Country: Italia Region: Veneto Residents: 18.593 Surface: 538 Km2 Altitude: 450-3000 m

ALTO ADIGE

Country: Italia Region: Trentino Alto Adige Residents: 53.000 Surface: 7400 Km2 Altitude: 200-3900 m.s.l.m

TEST AREAS

Country: Austria Region: Stato del Tirolo Surface: 2020 Km2 Altitude: 1235 m.s.l.m

Residents: 50.000

EST TIROLO

Three test sites in areas between Italy and Austria were considered for the exemplification and testing of an innovative risk mapping and communication of emerging weather threats in the Alps



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DAMAGE TO THE LANDSLIDE INDUSTRY TRIGGERING TREE SOIL TELE-COM STABILITY DISTRUCTION TREE FALLING LOSS THIGHER SINGLE EVENT DAMAGED BUILDINGS HIGHER SOIL TEMPERATURE DROUGHT HIGH RAINFALL RUSCELLAMENTO INJURIES TO PEOPLE GROWNDED HIGHER FIRE WOOD AZARD ROAD DESTRUCTION PESTS FOREST LOSS Trigger Direct Indirect Derived Derived natural danger Event natural risks effects effects factors

Extreme Events

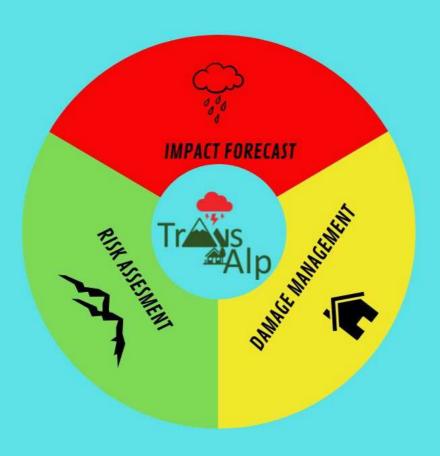
A SINGLE EVENT can give rise to a complex series of DIRECT and INDIRECT EFFECTS, in themselves already present in nature, which can be accentuated to the point of generating DANGER and RISK situations for buildings, people, and infrastructure.











The overall goal of the TRANS-ALP project is to develop an impact prediction methodology for mountainous regions to be able to make risk and damage management more efficient in populated areas





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