

October 11th-12th, 2022
Klagenfurt, Austria

**1st Alpine Workshop
on
“Fire- induced geohydrological hazards
in mountainous areas”**



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on

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October 11th-12th, 2022

Klagenfurt, Austria

Program:

Tuesday 11th, 2022:

Venue: GEOCHANGE Consulting e.U., Eppensteinerstraße 4/4, A- 9020 Klagenfurt

9.00 am-9.15 am: Welcome- Sandra Melzner, GEOCHANGE Consulting e.U., Vienna and Klagenfurt, Austria/ IAN BOKU, Vienna, Austria

9.15 am-10.00 am: „The geology of the Carnic Alps”- Gerlinde Ortner, Head of the Carnic Alps GeoPark, Dellach/Gail, Austria

10.00 am-10.45 am: “Present and future research avenues on forest fires in the Alps”- Marco Conedera, WSL, Switzerland

10.45 am-11.00 am: Coffee break

11.00 am-11.30 am: “Hazard management in Carinthia”- Franz Goldschmidt, Federal State Government of Carinthia, Austria

11.30 am-12.00 pm: „Forest firefighting operations in Carinthia”- Bernd Steinlechner, Carinthian State Fire Brigade Association, State Fire Brigade School, Klagenfurt, Austria

12.00 am-12.30 pm: „Fire-induced geohydrological hazards in the mountainous areas”- Sandra Melzner, GEOCHANGE Consulting, Vienna and Klagenfurt, Austria

12.30 am-1.00 pm: „Analysis of (forest) fire sites in Slovenia”- Milan Kobal, Biotechnical Faculty, Department of Forestry and Renewable Forest Resources, University of Ljubljana, Slovenia

1.00 pm -2.00 pm: Lunch break

2.00 pm-2:30 pm: “Roots reinforcement and shallow landslides”- Massimiliano Schwarz, Bern University of Applied, Bern, Switzerland

2.30 pm-3:00 pm: “Data management system of the Geological Survey of Slovenia”- Ela Segina, Geological Survey of Slovenia, Slovenia

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3:00 pm- 3:30 pm: „Evaluation of the cascading effect of fire on slope instability in the Apennines“- Mauro Rossi, CNR-IRPI, Perugia, Italy

3:30 pm-4:00 pm: “Forest firefighting operations in karstic environments”- Alessandra Tribuson, Regione Autonoma Friuli Venezia Giulia, Italy

4.00 pm-4.15 pm: Coffee break

4:15 pm-4:45 pm: “Implementation of an integrative fire management strategy in Switzerland”- Gianni Boris Pezzatti, WSL, Switzerland

4:45 pm- 5.15 pm: “The HEIMDALL project”- Tomaso de Cola, DLR, Germany

5:15 pm-6:00 pm: open discussion about further activities

7:30 pm-open end: Dinner

Wednesday 12th, 2022:

Excursion “Hazard management and post-wildfire risk in karstic mountains”

8:00 am: departure from Klagenfurt

10.30 am: meeting point “bar del Conad Superstore Duino“, Frazione Duino, 5f, 34011 Duino TS, Italien

2 pm: lunch break and end of excursion



Foto: Effect of fire on rock structure, example Trieste Wildfire (Source: Sandra Melzner)

Sponsor of the workshop: Martin Rasmussen, Copernicus.org <https://www.copernicus.org/>



1. Alpiner Workshop

zum Thema

“Waldbrandbedingte geohydrologische Gefahren in Gebirgsregionen”

11.-12. Oktober 2022

Klagenfurt, Österreich

Programm:

Dienstag, 11.10.2022:

Ort: GEOCHANGE Consulting e.U., Eppensteinerstraße 4, Top 4, A- 9020 Klagenfurt

9.00 Uhr -9.15 Uhr: Begrüßung- Sandra Melzner, GEOCHANGE Consulting e.U., Wien und Klagenfurt, Österreich/ IAN BOKU, Wien, Österreich

9.15 Uhr-10.00 Uhr: „Die Geologie der Karnischen Alpen“- Gerlinde Ortner, Leiterin des Geoparks Karnische Alpen, Dellach/Gail, Österreich

10.00 Uhr-10.45 Uhr: “Present and future research avenues on forest fires in the Alps“- Marco Conedera, WSL, Schweiz

10.45 Uhr-11.00 Uhr: Kaffeepause

11.00 Uhr-11.30 Uhr: “Gefahrenmanagement in Kärnten“- Franz Goldschmidt, Kärntner Landesregierung, Österreich

11.30 Uhr-12.00 Uhr: „Waldbrandbekämpfung in Kärnten“- Bernd Steinlechner, Kärntner Landesfeuerwehrverband, Landesfeuerweherschule, Klagenfurt, Österreich

12.00 Uhr-12.30 Uhr: „Waldbrand bedingte geohydrologische Gefahren in Gebirgsregionen“- Sandra Melzner, GEOCHANGE Consulting, Wien und Klagenfurt, Austria

12.30 am-13.00 pm: "Analyse von (Wald-) Brände in Slowenien"- Milan Kobal, Biotechnische Fakultät, Abteilung für Forstwirtschaft und erneuerbare Waldressourcen, Universität Ljubljana, Slowenien

13.00 Uhr -14.00 Uhr: Mittagspause

14.00 Uhr-14:30 Uhr: “Wurzelverstärkung und oberflächige Rutschungen“- Massimiliano Schwarz, Berner Fachhochschule, Bern, Schweiz

14.30 pm-15:00 pm: "Data management system of the Geological Survey of Slovenia"- Ela Segina, Geological Survey of Slovenia, Slovenia

15:00 Uhr- 15:30 Uhr: „Bewertung der kaskadierenden Wirkung von Bränden auf die Hanginstabilität in den Apenninen“- Mauro Rossi, CNR-IRPI, Perugia, Italien

15:30 Uhr-16:00 Uhr: "Waldbrandbekämpfung im Karst"- Alessandra Tribuson, Regione Autonoma Friuli Venezia Giulia, Italien

16.00 Uhr-16.15 Uhr: Kaffeepause

16:15 Uhr-16:45 Uhr: "Umsetzung einer integrativen Brandbekämpfungsstrategie in der Schweiz"- Gianni Boris Pezzatti, WSL, Schweiz

16:45 Uhr- 17.15 Uhr: "The HEIMDALL project"- Tomaso de Cola, DLR, Deutschland

17:15 Uhr-18:00 Uhr: Diskussion über weitere Aktivitäten

19:30 Uhr-open end: Abendessen

Mittwoch, 12. 10. 2022:

Exkursion "Gefahrenmanagement und Risiko nach Waldbränden im Karst"

8:00 Uhr: Abfahrt von Klagenfurt

10.30 Uhr: Treffpunkt „bar del Conad Superstore Duino“, Frazione Duino, 5f, 34011 Duino TS, Italien

2 Uhr: Mittagspause und Ende der Exkursion



Foto: Feuereinwirkung auf Gesteinsstruktur, Beispiel Trieste Waldbrand (Foto von Sandra Melzner)

Sponsor des Workshops: Martin Rasmussen, Copernicus.org <https://www.copernicus.org/>



1^a Workshop Alpino
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“Rischi geoidrologici indotti dagli incendi nelle aree montane”

Ottobre 11-12, 2022

Klagenfurt, Austria

Programma:

Martedì 11.10.2022:

Luogo: GEOCHANGE Consulting e.U., Eppensteinerstraße 4/4, A-9020 Klagenfurt

Ore 9.00 -9.15: Saluto di benvenuto- Sandra Melzner, GEOCHANGE Consulting e.U., , Vienna e Klagenfurt, Austria/ IAN BOKU, Vienna, Austria

Ore 9.15 -10.00: „ La geologia delle Alpi Carniche”- Gerlinde Ortner, Dirigente del GeoParco delle Alpi Carniche, Dellach/Gail, Austria

Ore 10.00 -10.45: “Linee di ricerca presenti e future sugli incendi boschivi nelle Alpi”- Marco Conedera, WSL, Svizzera

Ore 10.45-11.00: Pausa caffè

Ore 11.00-11.30: "Gestione dei pericoli in Carinzia"- Franz Goldschmidt, Governo Provinciale della Carinzia, Klagenfurt, Austria

Ore 11.30 -12.00: "Operazioni di lotta agli incendi boschivi in Carinzia" - Bernd Steinlechner, Klagenfurt Austria Associazione statale dei vigili del fuoco della Carinzia, Scuola statale dei vigili del fuoco, Klagenfurt, Austria

Ore 12.00 -12.30: „ Rischi geoidrologici indotti dagli incendi nelle aree montane”- Sandra Melzner, GEOCHANGE Consulting, Klagenfurt, Austria

Ore 12.30 -13.00: "Analisi dei siti di incendio (forestale) in Slovenia" - Milan Kobal, Facoltà di Biotecnica, Dipartimento di Selvicoltura e Risorse Forestali Rinnovabili, Università di Lubiana, Slovenia.

Ore 13.30 -14.00: Pausa Pranzo

Ore 14.00-14.30: “Rinforzo delle radici e frane superficiali”- Massimiliano Schwarz, Bern University of Applied, Bern, Svizzera

Ore 14.30 pm-15:00 pm: “Sistema di gestione dei dati del Servizio geologico della Slovenia”- Ela Segina, Geological Survey of Slovenia, Slovenia

Ore 15:00 - 15:30: „ Valutazione degli effetti a cascata degli incendi sull'instabilità dei versanti in Appennino “- Mauro Rossi, CNR-IRPI, Perugia, Italia

Ore 15:30 -16:00: “Operazioni di spegnimento degli incendi boschivi in ambiente carsico”- Alessandra Tribuson, Regione Autonoma Friuli Venezia Giulia, Italia

Ore 16.00 -16.15: Pausa caffè

Ore 16:15 -16:45: “Implementazione di una strategia integrativa di gestione degli incendi in Svizzera”- Gianni Boris Pezzatti, WSL, Svizzera

Ore 16:45 - 17:15: “Il progetto HEIMDALL”- Tomaso de Cola, DLR, Germania

17:15 -18:00: discussione libera su attività future

19:30 -open end: Cena

Mercoledì 12.10.2022:

Escursione "Gestione dei pericoli e rischio post-incendio nel Carso".

Alle 8:00: partenza da Klagenfurt

Alle 10.30: punto d'incontro bar del Conad Superstore Duino“, Frazione Duino, 5f, 34011 Duino TS, Italien

Alle 14.00: pausa pranzo e fine dell'escursione



Foto: Effetto del fuoco sulla struttura rocciosa. Esempio dell'incendio di Trieste (Fonte: Sandra Melzner)

Sponsor dal workshop: Martin Rasmussen, Copernicus.org <https://www.copernicus.org/>

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