The Integration of Mountain Rescue Services into
Cross-Regional Crisis & Disaster Management

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NEW CHALLANGES

"In Austria, a new law came into effect on January 1, 2024, which provides rescue organizations with substantial fundings.

"The aim of this federal law is to support legally recognized rescue organizations, as well as their umbrella organizations, in their investments to enhance their resilience and performance in crisis and disaster situations."

New Tasks and Challenges

https://vimeo.com/467031984

Possible Crises- and Disasters for mountain rescue

• **Major damage events**
• very high number of affected persons
• very short lead time

• **Wildfire**
• low number of affected persons,
• longer lead time

• **Avalanche disaster**
• high number of affected persons,
• very short lead time
• ÖBRD expertise

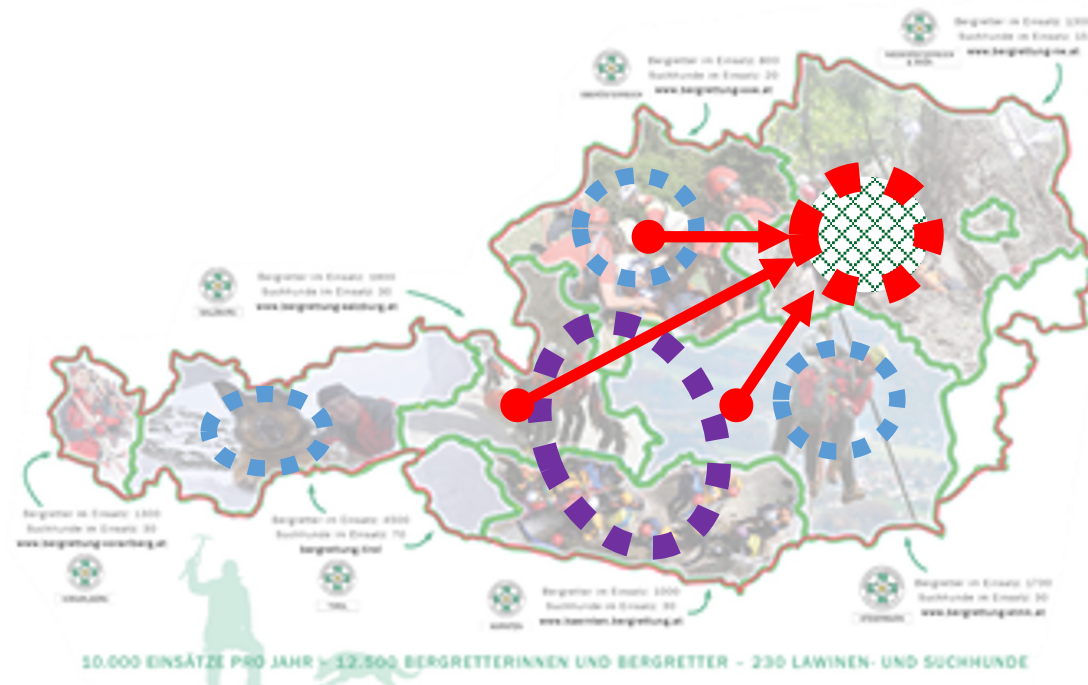• **Blackout**

27.10.24

Blackout

Katastrophenlawine

Waldbrand

Grossschaden

Joint Management of Crisis and Disaster Situations

Dimension / Scaling

- **Individual, or**

- **simultaneously**

- **Cross-borderCountry-supporting**

Crisis- & Disastermanagement Bergrettungsdienst

SKKM 2024 is a trigger for us to improve Communication & Coordination for large scale events which requires a cross regional response

We need to prepare for such Events organizational, educational and technical

Crisis- & Disastermanagement Communication

Satellite based Data Link for Datacommunication during Blackouts (Starlink)

Satellite based Phone System for Voice Communication during Blackouts

PMR Communication Plans for cross regional Large Scale Events

"Starlink" in der Bergwacht Bayern ✉

Seit August 2023 stehen der Bergwacht Bayern **neun Starlink-Systeme** zur Verfügung

Starlink ist ein Satellitennetzwerk, welches weltweiten Internetzugang bietet. So kann bei komplexen
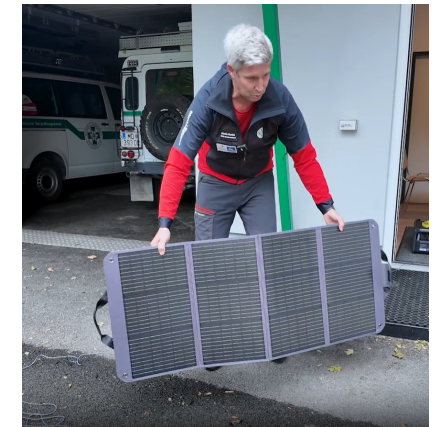
Incident Command - Common Operational Picture

The Incident Command System helps to prepare for large scale events. It holds the necessary data to operate in a Crisis Situation.

In a Crisis Situation the system is used to communicate within the Bergrettungsdienst and with external Organisations

Incident Command Systems helps to coordinate the operations during the Crisis

The System documents the information flow, actions executed and decissions made

Common Operational Picture – Start!

←   **M0001 - Eintrag (1/1)**   ↑ ↓ 🖫

Info *

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> BWZ Information
> For the time of Dez 13 until Dez Heavy Snowfall is expected in the area
> Dachstein/Schladminger Alpen (West) to Hochschwabgruppe (East)
> Geosphere expects:
> Up to 200 cm snowfall in the valleys for the period with a daily peak of 80cm
> Up to 450 cm snowfall on the mountains for the period with a daily peak of 150cm
> Cold temperatures throughout the period and medium winds
> BWZ expects issues with traffic in the area, inaccessible areas, partial blackouts
> All ESOs need to prepare for this situation

◯ Ausgang   ◯ Entscheidung   ◉ Eingang

Hohe Priorität

n/y (●)

Anmerkung / Rückmeldung

Tᴛ [   ]

⊓⊓ **MELDER » LAGEDIENST**   ⚓

⊓⊓ **EMPFÄNGER » BUNDESVERBAND**   ⚓

⊓⊓ **VERTEILEN**   ⚓

⊓⊓ **ORT**   🅿 ⚓

Common Operational Picture – Start!
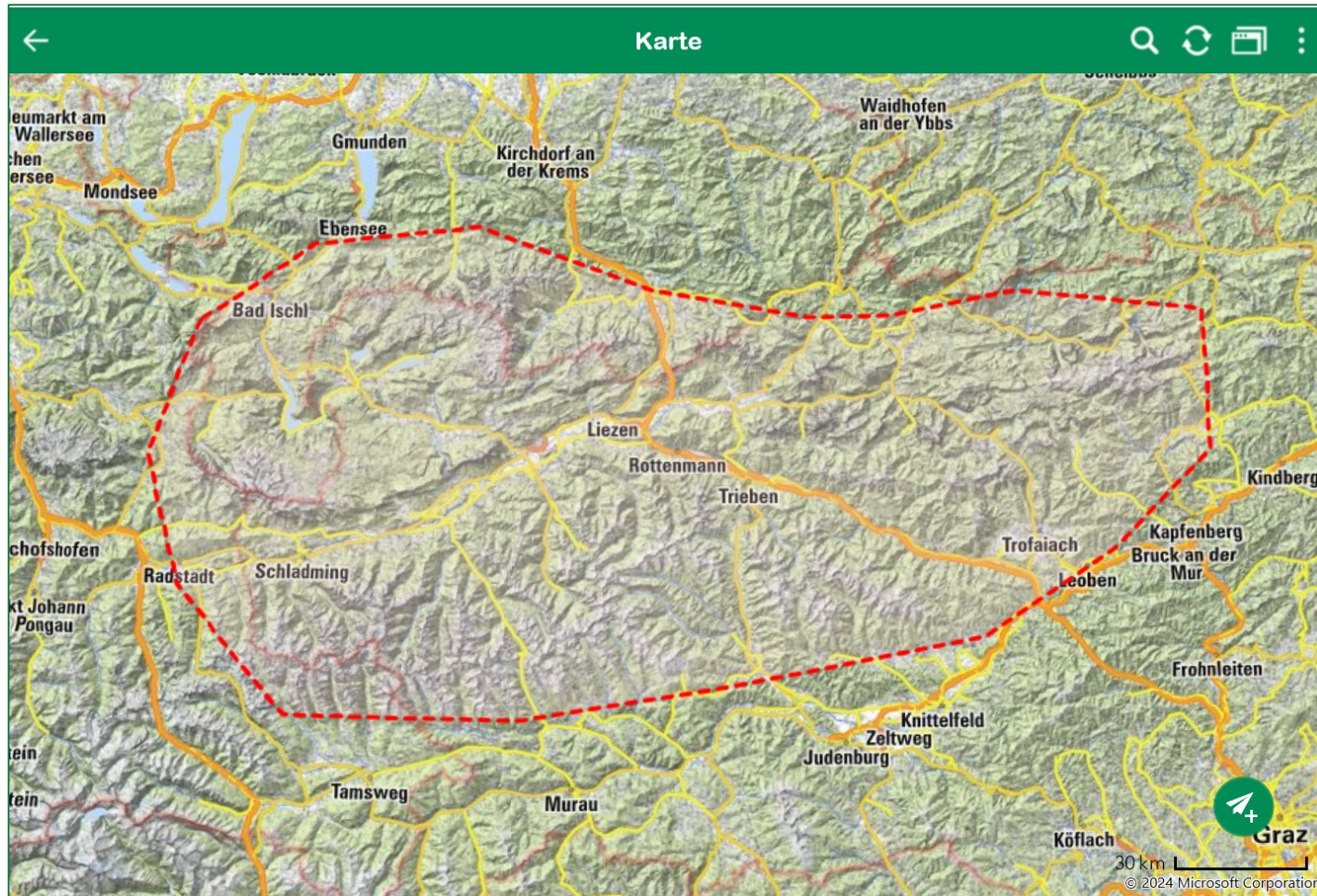
Common Operational Picture – Elements

Messages building a Journal of the Incident. What was when reported, communicated or decided.

The Orgchart of the incident provides on overview about the relation between all acting parties.

A Map provides a graphical Common Operational Picture of the incident area

All sort of informations are used to support decission making and seamless communication

Common Operational Picture – Messages

Common Operational Picture – Messages

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Common Operational Picture – Messages

Common Operational Picture – Messages

Messages are the core of Incident Management

Messages can be incoming-, outgoing- or decision-information

The incident management system allows the read and write information anytime, anywhere

The sum of all messages makes up the Journal of the incident

Common Operational Picture – Organization

Common Operational Picture – Organization

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Common Operational Picture – Organization

The Organization Chart models the structure of the Incident

BRD user enter the system in a role-function and automatically become an element of the Organization Chart

The Organization Chart grows if messges are send or received by external Organizations

The Organization Chart allows easy communication with involved parties

Common Operational Picture – Map

Common Operational Picture – Map

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Common Operational Picture – Map

The Map provides a graphical Common Operational Picture in the incident area

The incident Map can include icons, shapes, line and text elements
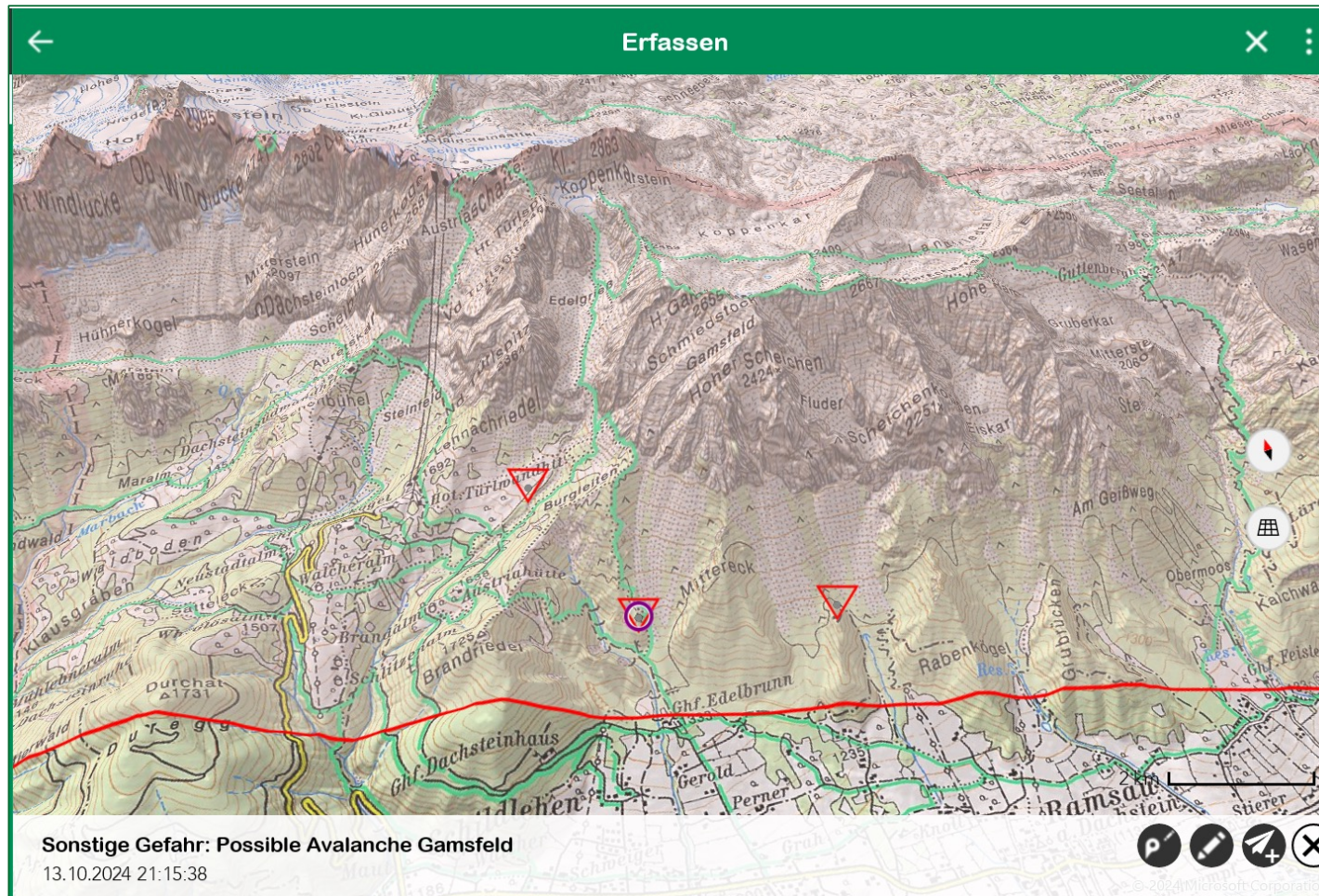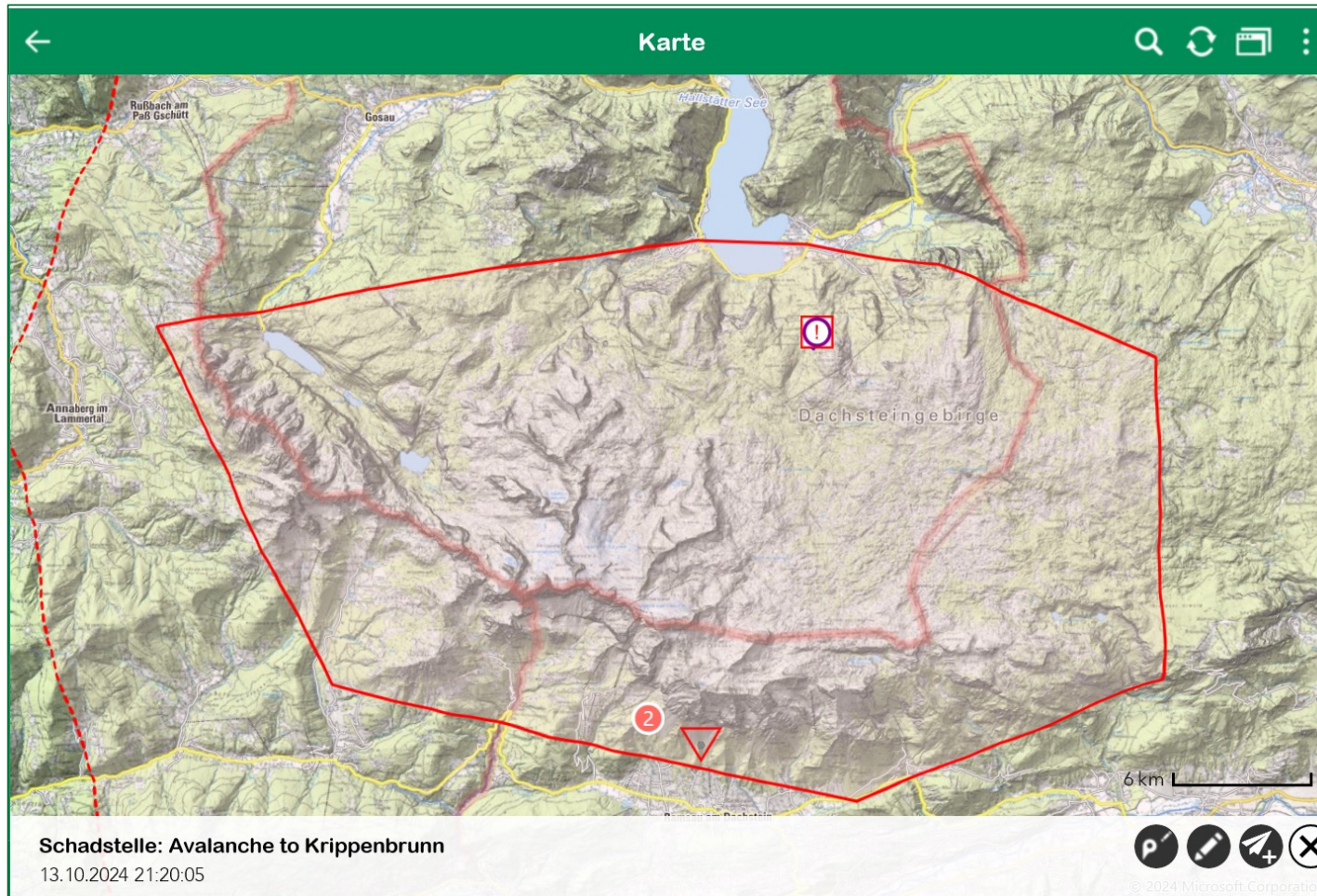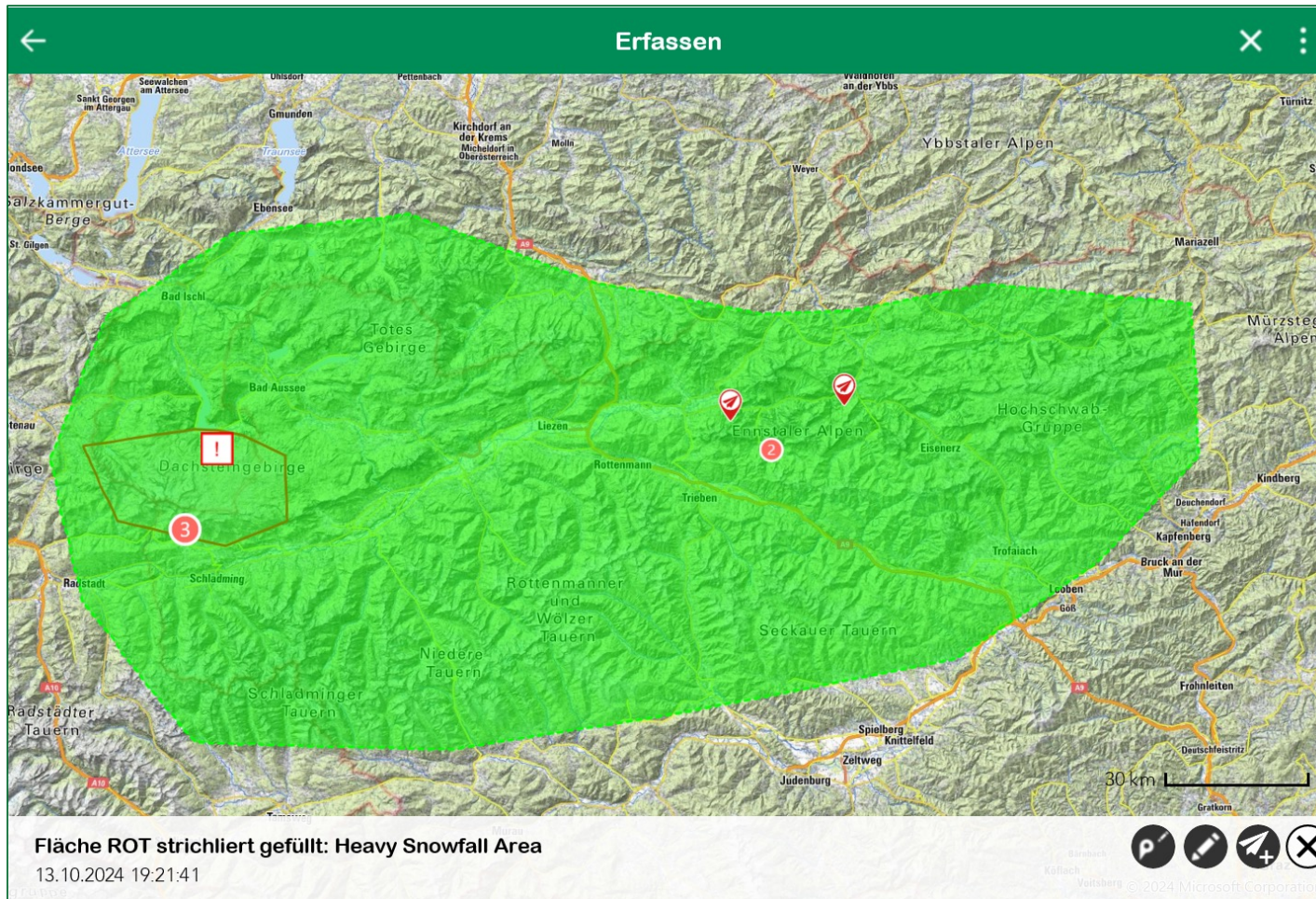
Map elements can be related to Messages

All users have realtime access to the Map

Summary

Österreichische Bergrettungsdienst is a elementary component of Civil Protection in Austria

We need to prepare for large scale Events and establish Crisis- and Disastermanagement

This a great Opportunity for improving collaboration and communication within our organization

Incident Command together with „Blackout save" communication provides the necessary technolgy platform
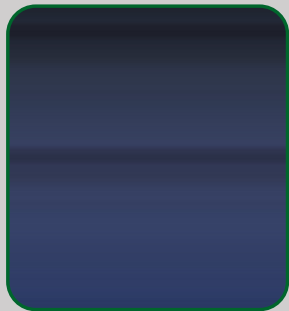
Questions & Discussion

About

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