Using of Online Tools for a Successful Operating and Management of Mountain Search and Rescue Operations

SHIFT happens

2022ff only the connection and best use of the

- **Online World** and
- **Practical training** will result in a

-> successful rescue operation

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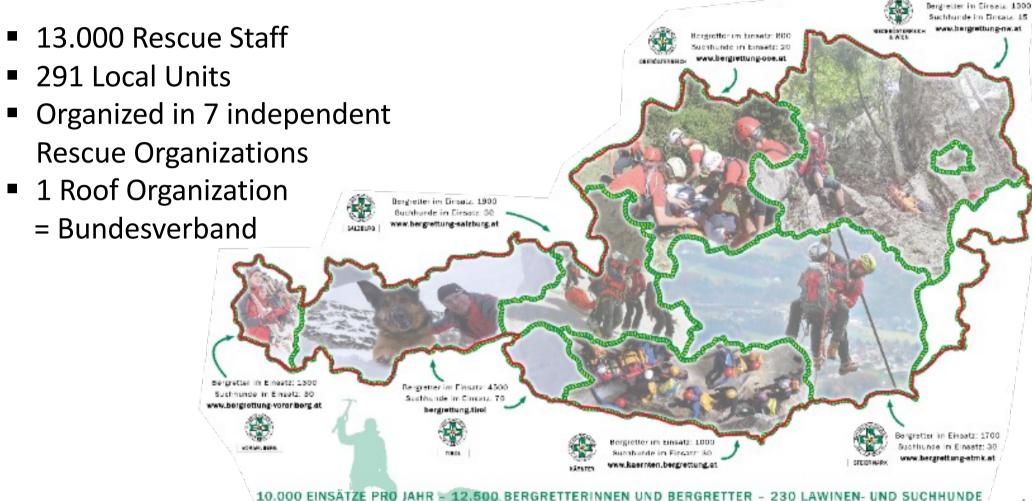Tobias.Vogl@bergwacht-bayern.org
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Mountain Rescue Service in Bavaria / Germany :

- ~ 4.500 Rescue Staff
- ~ 9.000 Missions per year
- 109 Local Units / Teams
- 1 Roof Organization / 7 regions
- **1 Common Knowledge-Base (online)**
- **1 Common Training Manual (online)**

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- **Competence centre** for mountain rescue in **germany** – offering different knowledge to all mountain rescue members in germany.

Mountain Rescue Service Austria:

- 13.000 Rescue Staff
- 291 Local Units
- Organized in 7 independent
  Rescue Organizations
- 1 Roof Organization
  = Bundesverband

Continues Transformation - Cave Painting to Holograms

40 000 v. Chr.

19 Jh.

2009

2031 ff

Past

Presents

Future

15 Jh.

1975

2020 - 2030

E-LEARNING

Evolution / Revolution from time to time:

Complexity costs

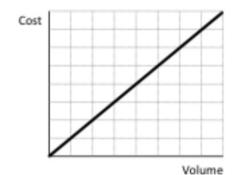Complexity is one of the biggest issues organizations facing today

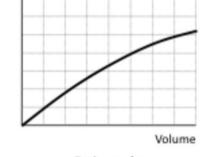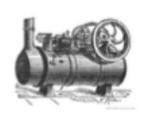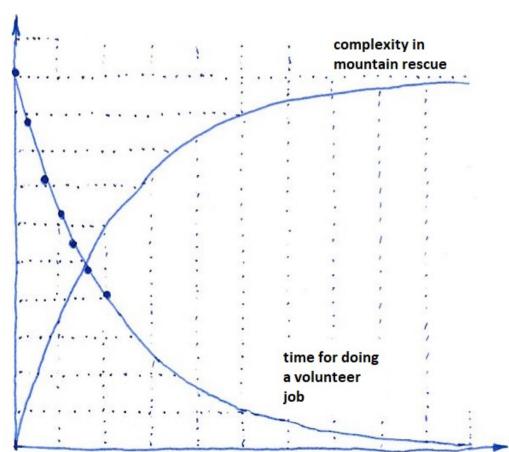| Pre-Industrial Age	Industrial Age	The Age of Complexity
"Individual productivity"	"Economies of Scale"	"Complexity"
Driven by variable costs	Driven by fixed costs	Driven by complexity costs

Source:
https://www.wilsonperumal.com/insights/complexity

Complexity and time resources
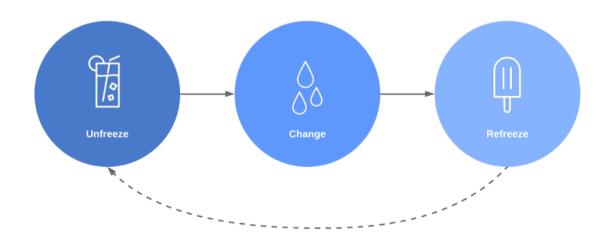
Not only complexity costs... also talk about (free-)time...

Change Management - Models

Change Management Models

- Lewin's change management model: A 3-step approach to change behavior that reflects the process of melting and reshaping an ice cube.
- ADKAR model: A people-centered approach to facilitate change at the individual level.
- Kotter's 8-step change model: A process that uses employee's experience to reduce resistance and accept change.
- Kubler-Ross change curve: A strategy that breaks down how people process change using the 5 stages of grief.
- McKinsey 7s model: A process centered around the alignment seven fundamental elements of any organization
- PDCA: A cyclical and iterative change management process focused on continuous improvement.
- Bridges Transition Model: A people-centered model focused on managing people's experience transitioning to change.

Source: https://www.lucidchart.com/blog/7-fundamental-change-management-models

Developed in the 1940s, Lewin's change management model remains relevant because of its simple yet effective structure.

Made in
Lucidchart

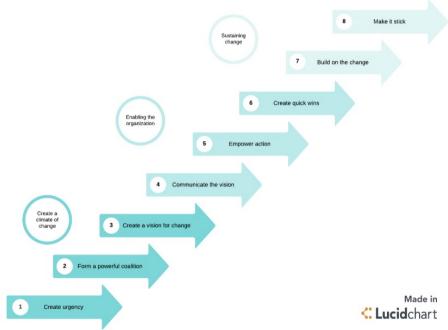# Kotter's 8-step change model

Developed by John Kotter after a survey of over 100 organizations in flux, the Kotter 8-step change model also focuses more on the people experiencing large organizational changes rather than the changes themselves. The eight steps are:

1. **Create a sense of urgency.**
2. **Build a strong coalition.**
3. **Form a strategic vision.**
4. **Get everyone's buy-in.**
5. **Enable action by removing barriers.**
6. **Generate short-term wins.**
7. **Sustain acceleration.**
8. **Institute change**

Source: https://www.lucidchart.com/blog/7-fundamental-change-management-models

ICAR works as worldwide open platform for the exchange of mountain rescue knowledge.

Content: **terrestrical rescue**

Content: **air rescue**

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SÜDTIROL

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8.000

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13.000

MountainSafety.info

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SALZBURG
30

BERGRETTUNG
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300

BERGRETTUNG
TIROL
180

Way of Communication:

- One Source of truth
- Always up to date
- Improvements / changes / development's with no delay to those who need to know
- Analog Log-Book; Competence Check Book

If someone develops a **digital knowledge plattform** for organisations ...

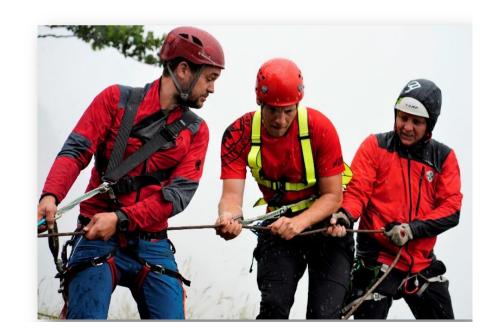it should be built in a way, that we can use it **together**.

Online and Analog combination:

Final Lines

- We aim to **deliver best and safe quality material** to our members and patients.
- **Economic aspects** are to consider.

  -> Most of us are dealing with state supports, donations, or membership fees.
- Not to forget the use of **time resources**, both volunteer wise of by employees.

- **Demands and Requirements from members, patients, partners and environment will continue to rise.**

-> Let us be prepared for the future.

Thx for listening