Risk Management in the Province of Tyrol

2nd European Forum for Disaster Risk Reduction
10-12 October 2011, Skopje

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Overview

alpS – Who We Are

Making Cities Resilient

Risk Management in the Province of Tyrol

ORTIS Risk Management Tool & Services

Some More Facts

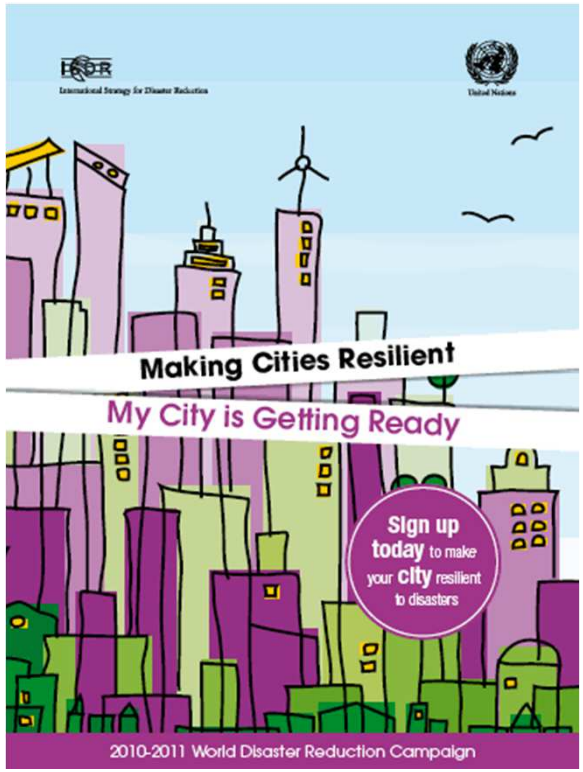
alpS – Who We Are

- R&D center based in Innsbruck/Austria
- Topics: natural hazard research and risk management
- Focus on climate change adaptation
- 85 employees at 3 locations – still growing

- 70 company partners in 15 countries
- 20 scientific partners in 6 countries
- 10 public authorities in 3 countries

- 30 projects running
- 25% in the field of applied risk management
- Risk management in the Province of Tyrol

Making Cities Resilient



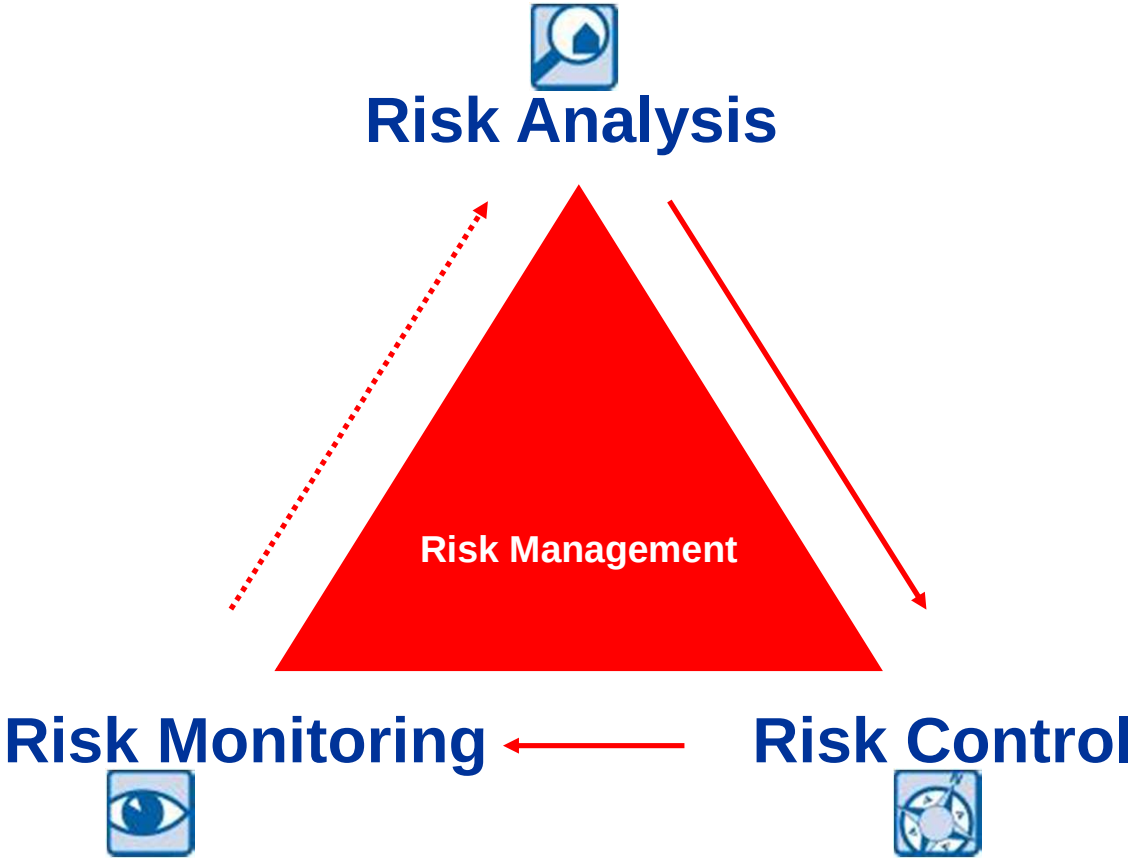
- Province of Tyrol (279 municipalities) and City of Lienz:

  "Role model for community-based risk assessment, management and reduction"

- National launch of the campaign at the conference “Managing Alpine Future II“, 21-23 November 2011 in Innsbruck

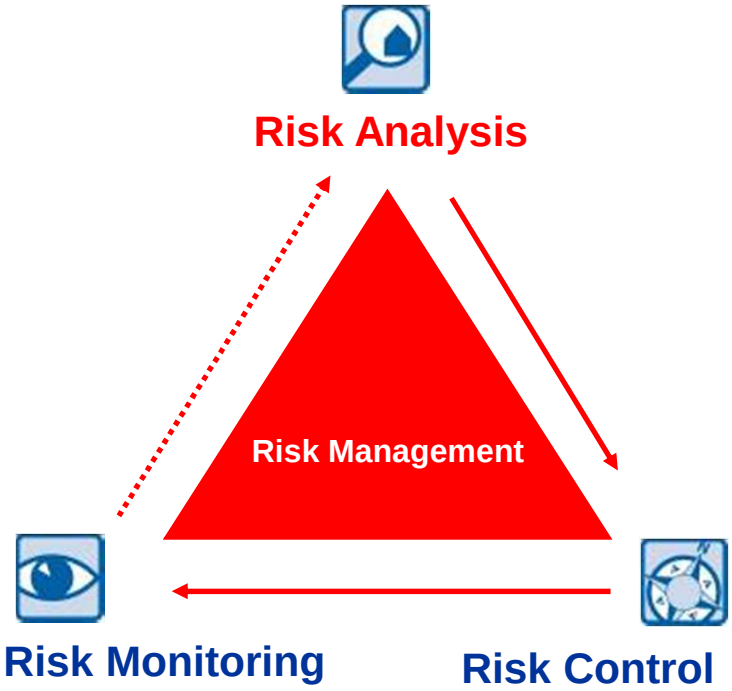
- **Today: focus on essential #3**
  - **Prepare & share risk assessments**.
  - Risk assessment method used in the province of Tyrol
  - Some results

alpS Risk Management



Simple, effective and applicable in everyday life

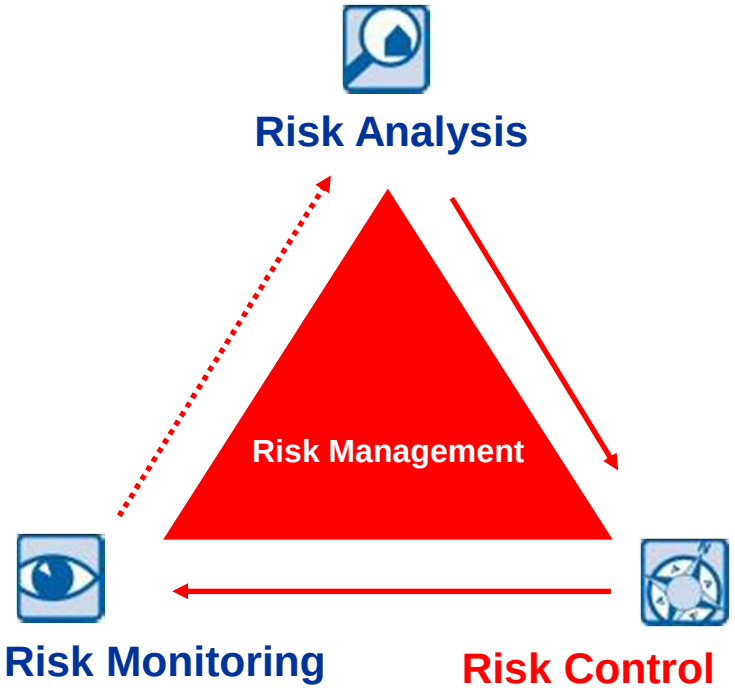
Risk Analysis



- Basic step for EVERY risk management
- Risk **identification** (essential risks!)
- Risk **evaluation** (probability and impact)
- Risk **illustration** (risk matrix, risk list, risk maps)

We do risk management for users, not for risk managers!

Risk Control

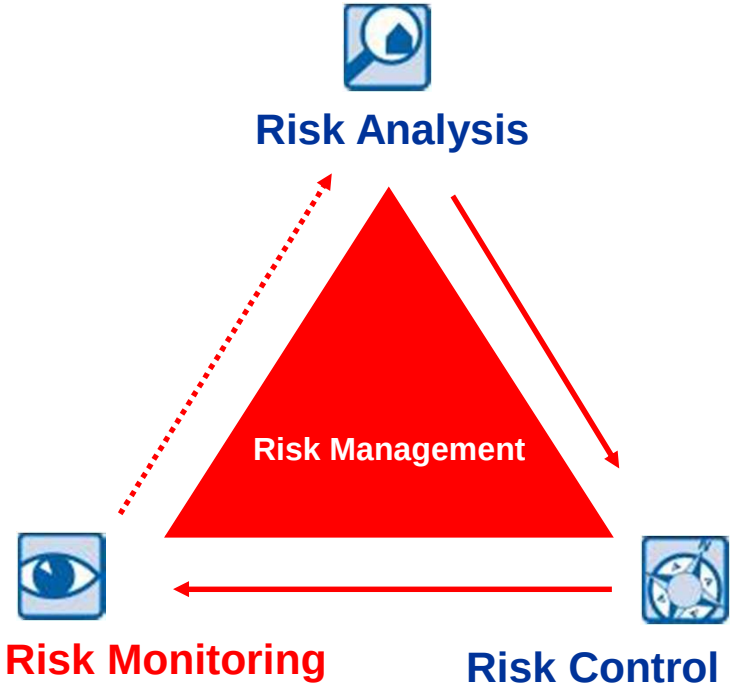


- Reduce risks
- Set targets
- Technical control
- Organisational control
- **Better communication!**

Implement simple and effective control measures!

Risk Control

Risk Monitoring



keeps the risk-management process running!

- Changes in processes
- Changes in potential damage
- Changes in probability
- Changes in impacts
- New risks -> back to step 1 (risk analysis)

Risk Monitoring

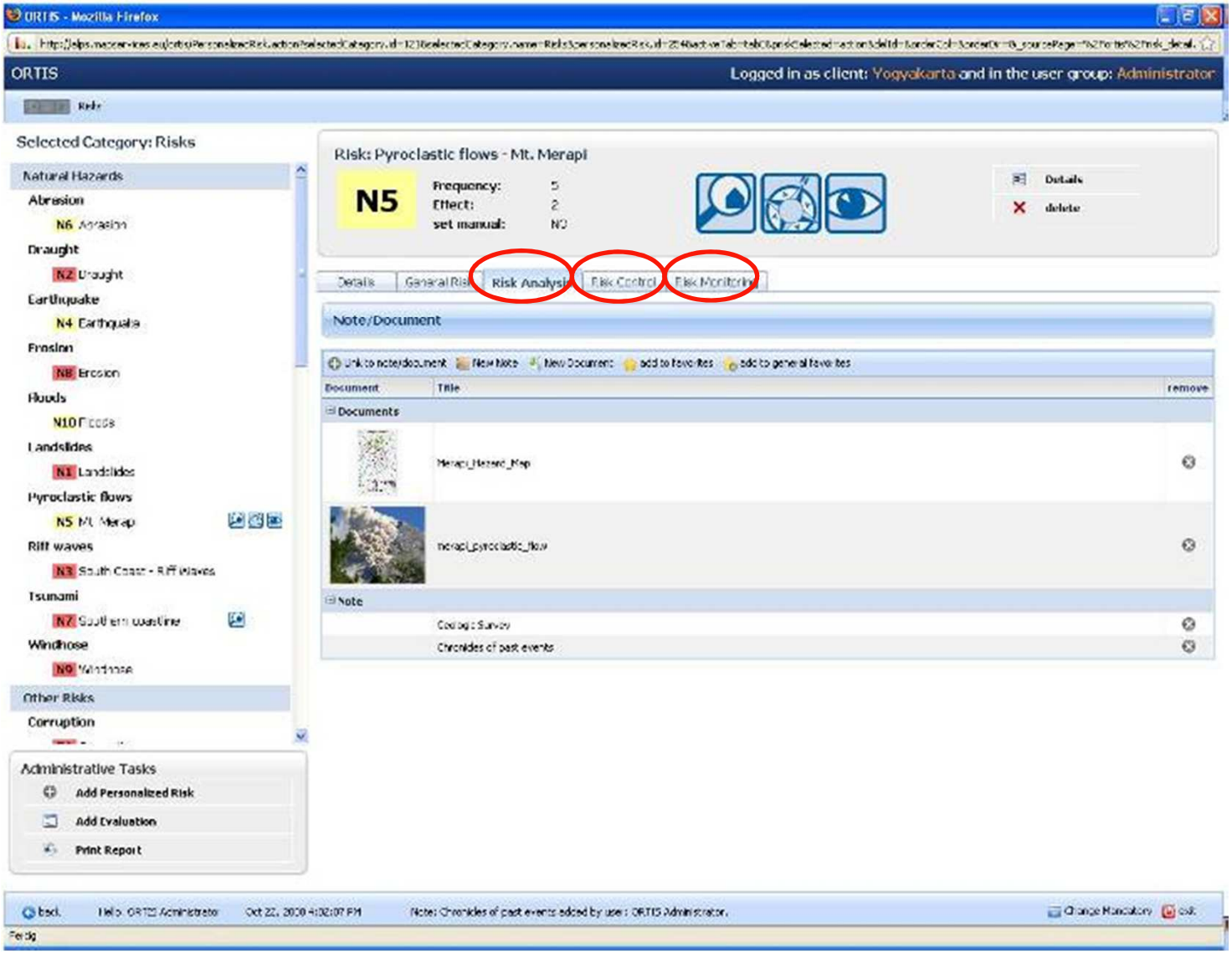
Quelle: Andreas Götz, BWG

ORTIS – Risk Management Tool

- ORTIS software tool
  - Especially developed to support the risk management process in communites (and companies)
  - Following a clearly structured risk management guideline

- The ORTIS tool offers…
  - A user-friendly interface
  - A web-based platform (no separate software required)
  - A structured risk management guideline
  - Illustration and visualization elements
  - Reporting and statistical functions
  - A knowledge database for the administration of documents

ORTIS – Risk Management Tool

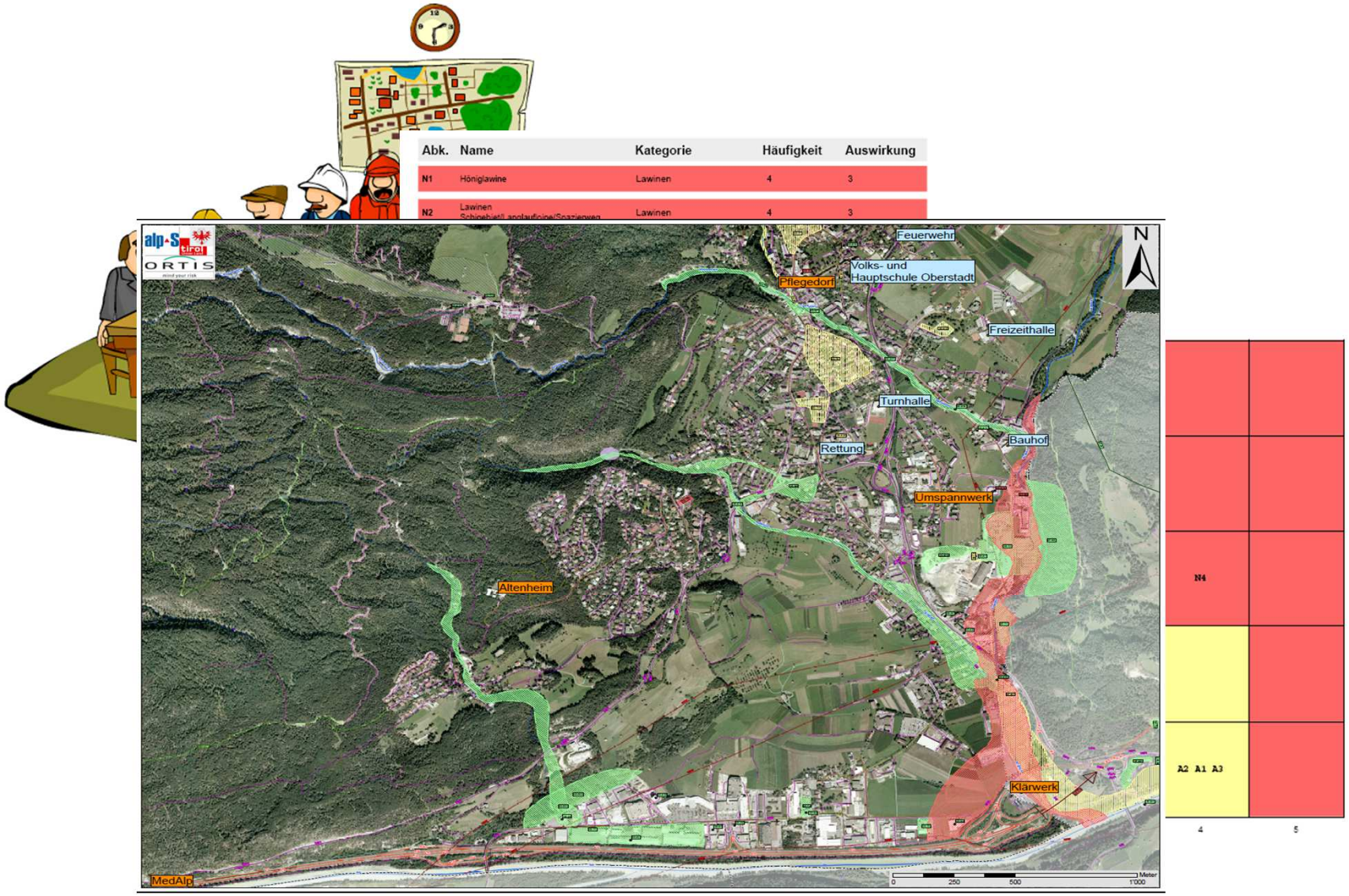


ORTIS – Risk Management Tool

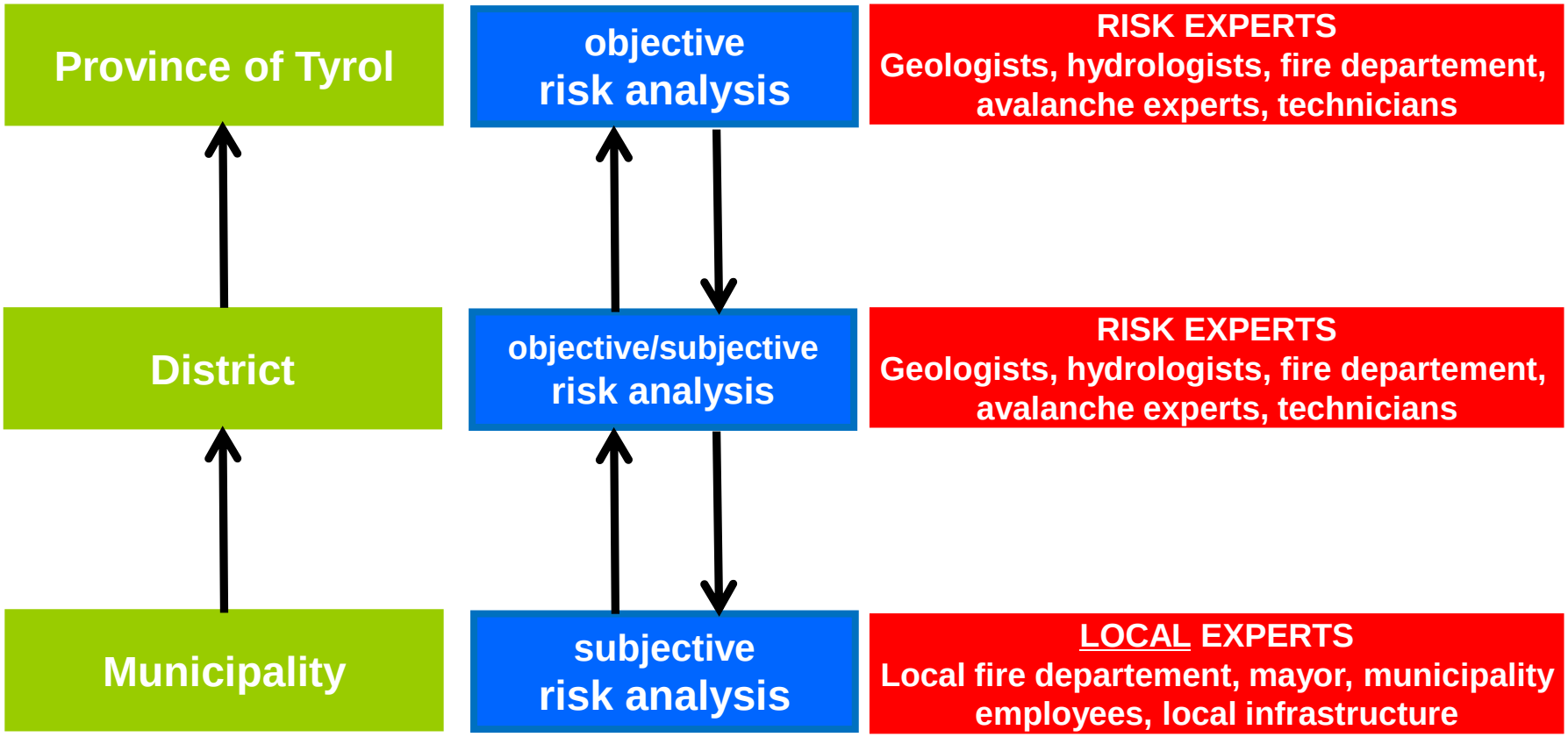
ORTIS Services

- Special methodology based on extensive research and practical experience gained from national and international risk management activities
- Workshops
- Cartographic processing
- Personal support throughout the process
- Latest scientific know-how through other activities within alpS and alpS network

What Do We Do in the Municipalities?



The Next Steps



Some Numbers

- **10** risk-management experts involved
  - Regional government
  - alpS
- **200** workshops in municipalities
- **180** municipalities completed
- **4800** risks identified
  - Average of 27 (range from 5 to 170)
  - More than 60% natural hazards
- **1.5** terabyte data generated (mostly GIS-maps)
- **170** days „on the road“
- **900** local experts involved
- **50** risk experts involved

Application Examples

- Province of Tyrol (279 communities)
- „Risk management without borders“ in cooperation with the German Federal Office for Civil Protection and Disaster Assistance
- Different cities and municipalities in other parts of Austria
- Risk management workshops in
  - Germany
  - Switzerland
  - Italy (Province Alto Adige)
  - Indonesia
  - China
  - Algeria
  - Argentina
- National risk analysis Austria

Thank you for your attention!

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