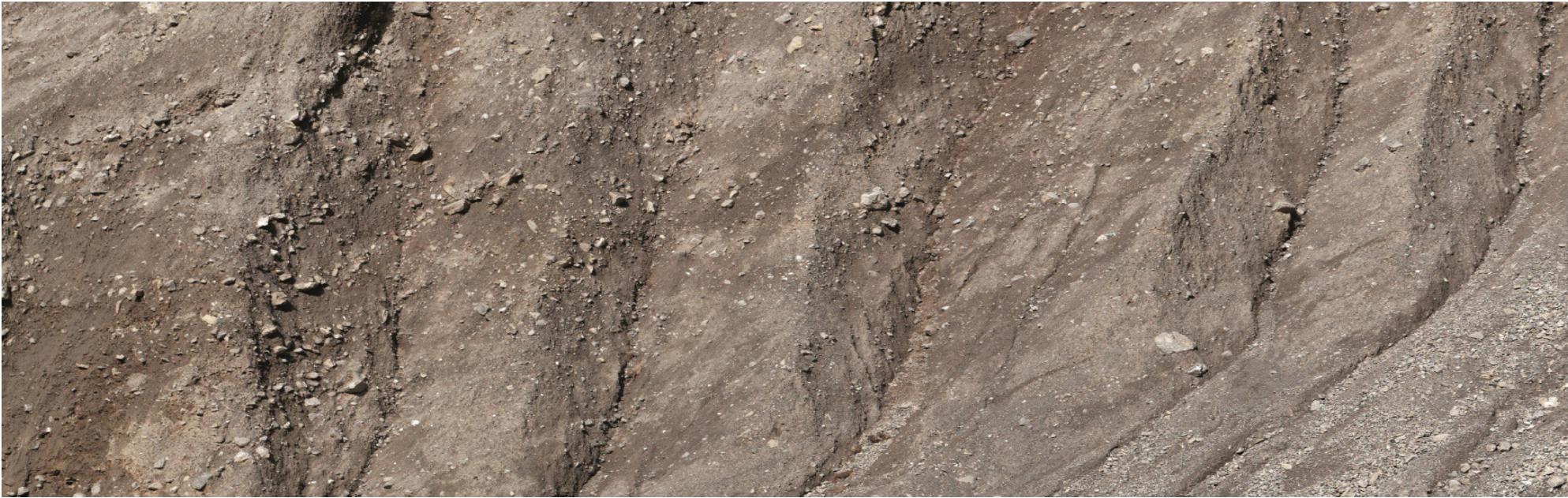
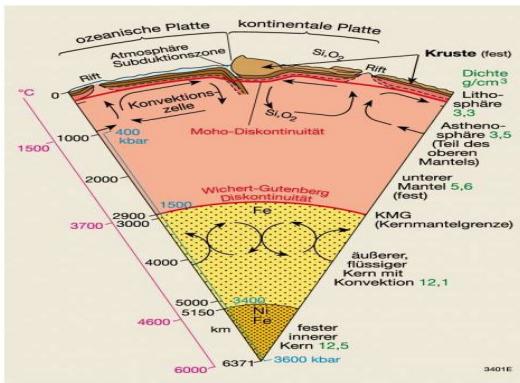


Digital geomorphological dynamics analysis



Innovative digital technology for more information at a lower cost

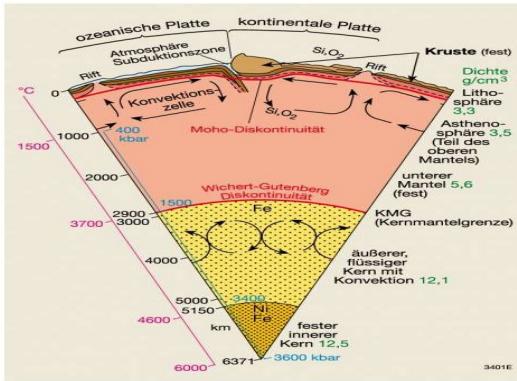
Which points will we introduce to you?



**GMD -
Method**

Application

Case study



GMD - Method

Application

Case study

The digital GMD method



What does **Digital geomorphological dynamics analysis** mean?



The digital GMD method

„The digital GMD method is modeling approach that is based on an integrated view of natural areas and their georelief“

The digital GMD method

Anthropogenic forming processes = stable state of equilibrium

but...

Natural forming processes = unstable state of equilibrium

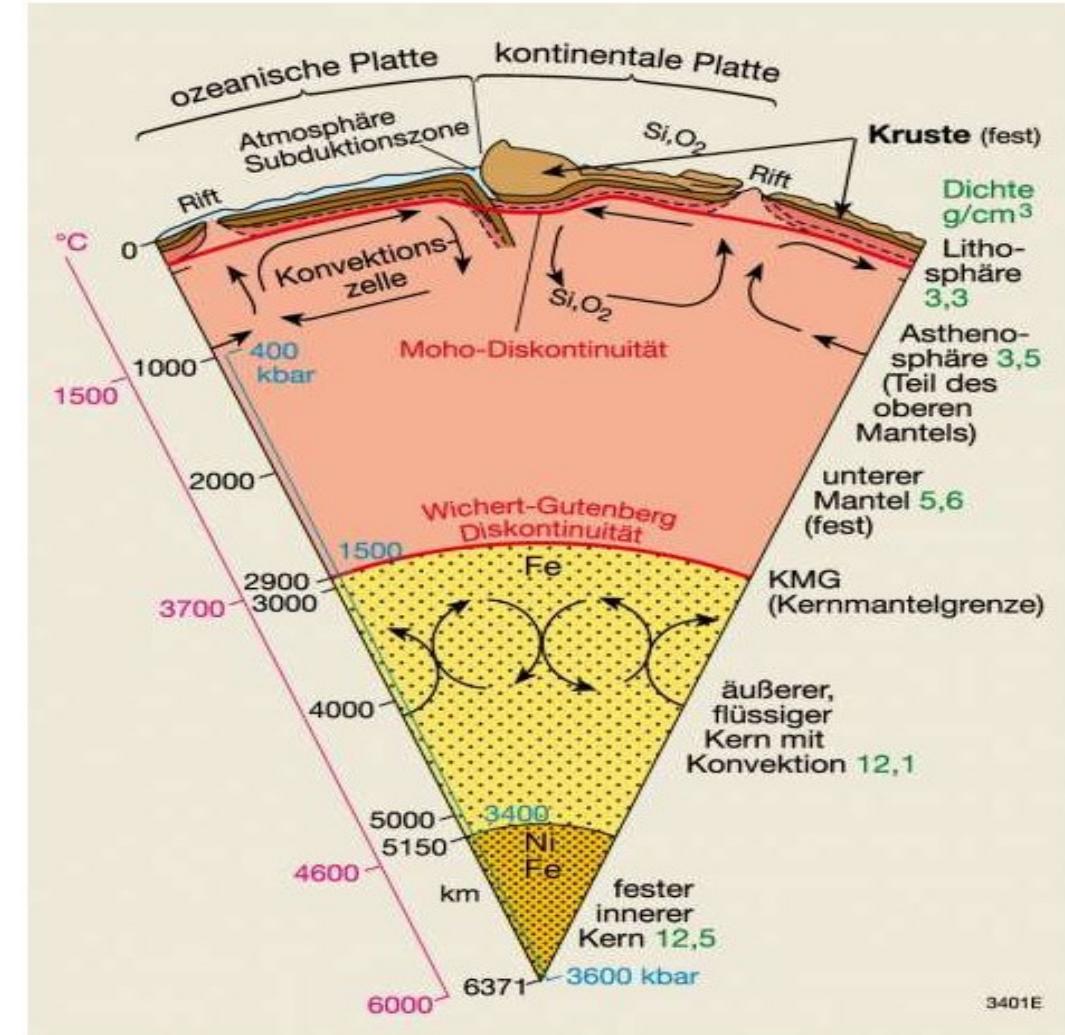
→ **Recognize unstable areas to avoid catastrophes at an early stage**

The digital GMD method - function

„Everything is flowing“

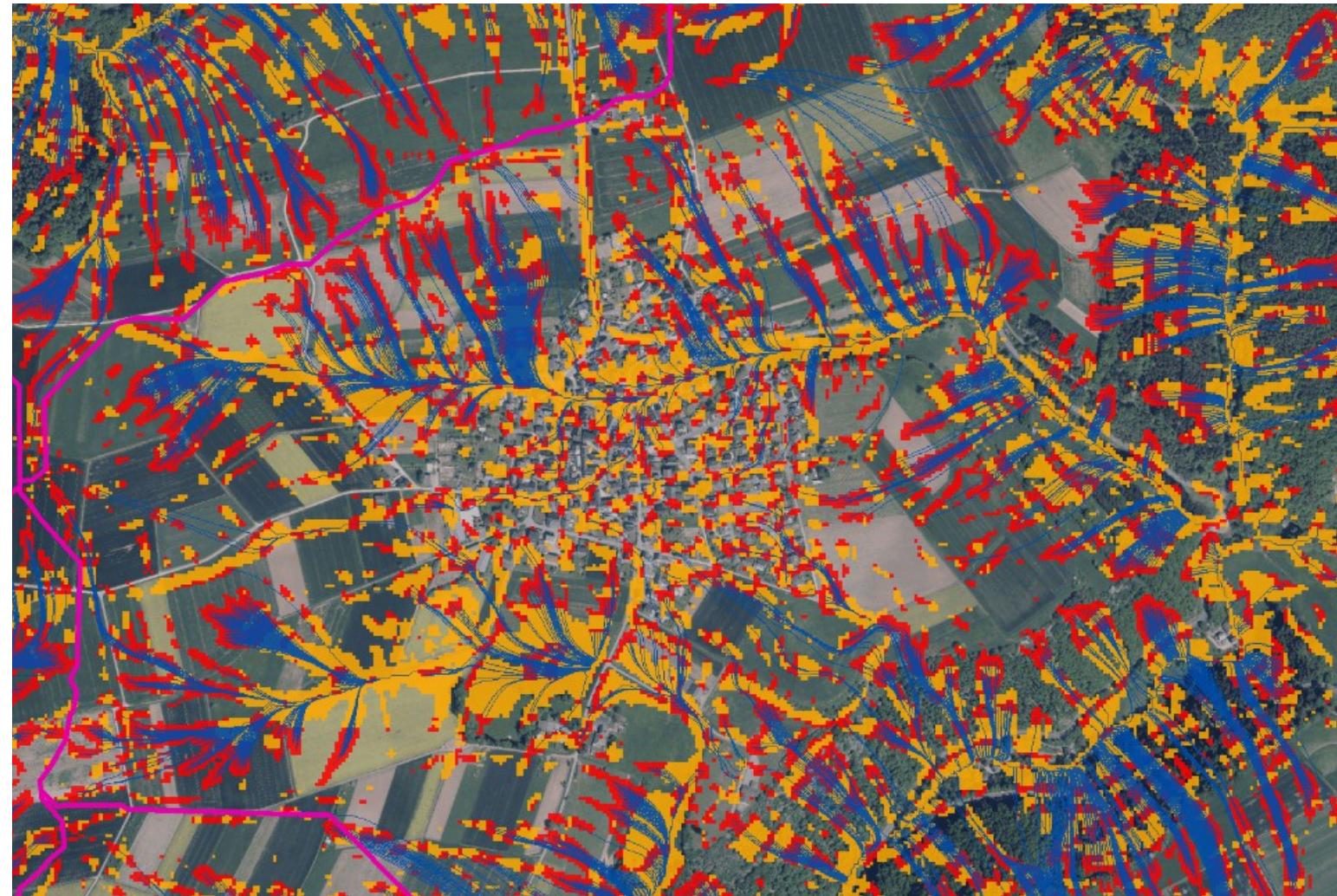
The digital GMD method - function

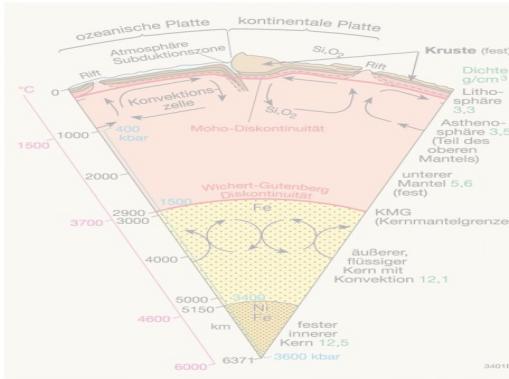
Function



The digital GMD method - result

Result





GMD - Method

Application

Case study

Areas of application



**Land use
planning**



**Infrastructure
plan**



Disaster predictions

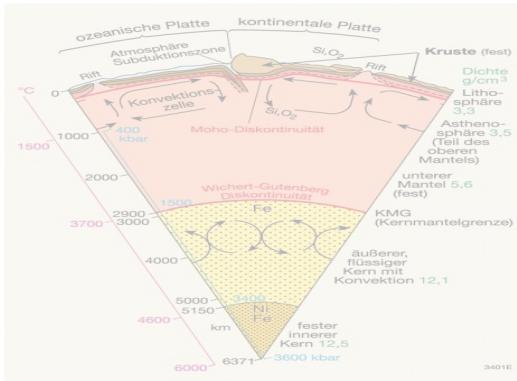


**Disaster
response**

Applications – Advantages of the digital GMD analysis

Advantages

- Highly reliable analyses
- Uncomplicated
- Save Costs
- Can be used worldwide



GMD - Method

Application

Case study

Case study

Case study

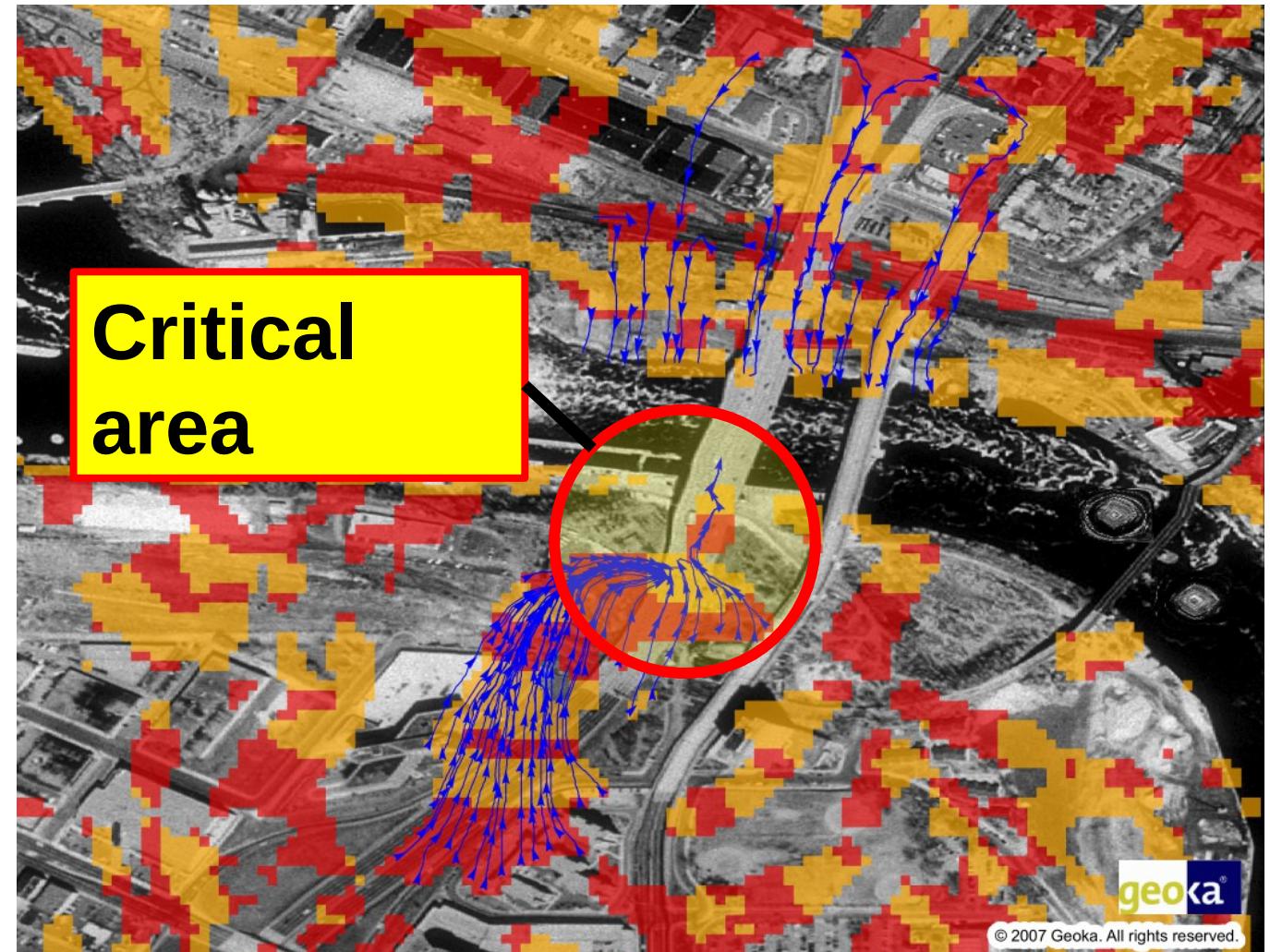
-
„Bridge collapse
in Minneapolis“



Case study

Case study

-
„Bridge collapse
in Minneapolis“



Case study

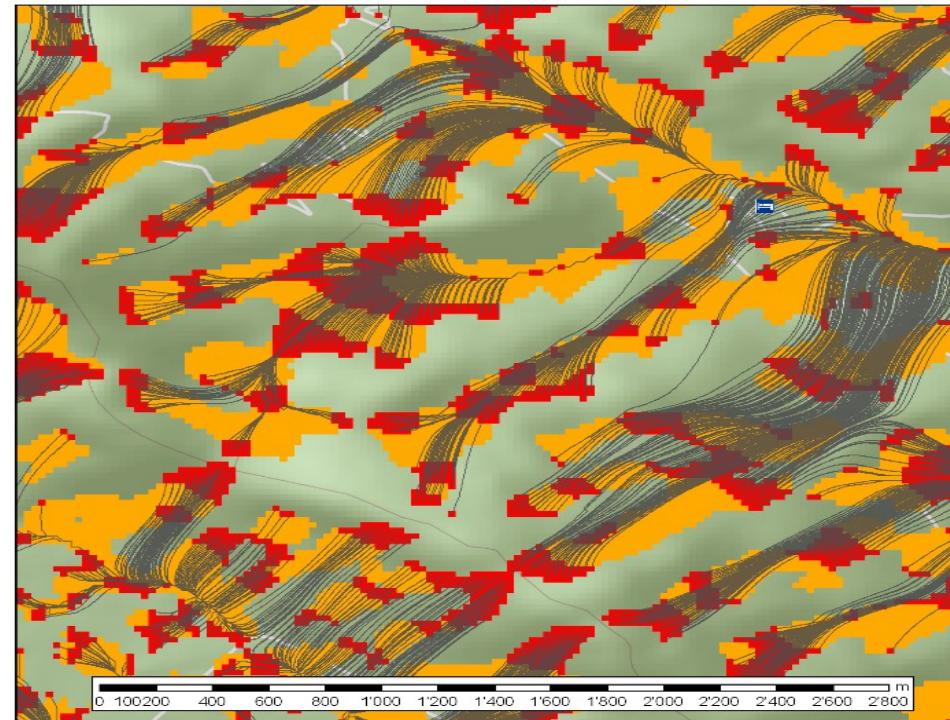
Case study

Disaster in Italy claims
human lives.

Earthquake causes
avalanche and destroys
hotel.



Case study



Hotel Rigopiano, prov. Pescara

- Position
- Falllinien
- LadweinKarte2
- Naturprozesse
- stark
- erhöht
- gering - massig



1:17'000

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Conclusion

- Analyse natural processes on and below the earth`s surface as a consequence of water exposure
- Show in advance where the effects of climate change will take place on and below the earth`s surface
- How possible damage to people and property can be reduced and/ or averted

„If people don't know where the risk lies, they won't know how to effectively control it either.“

Richard Ladwein

Contact

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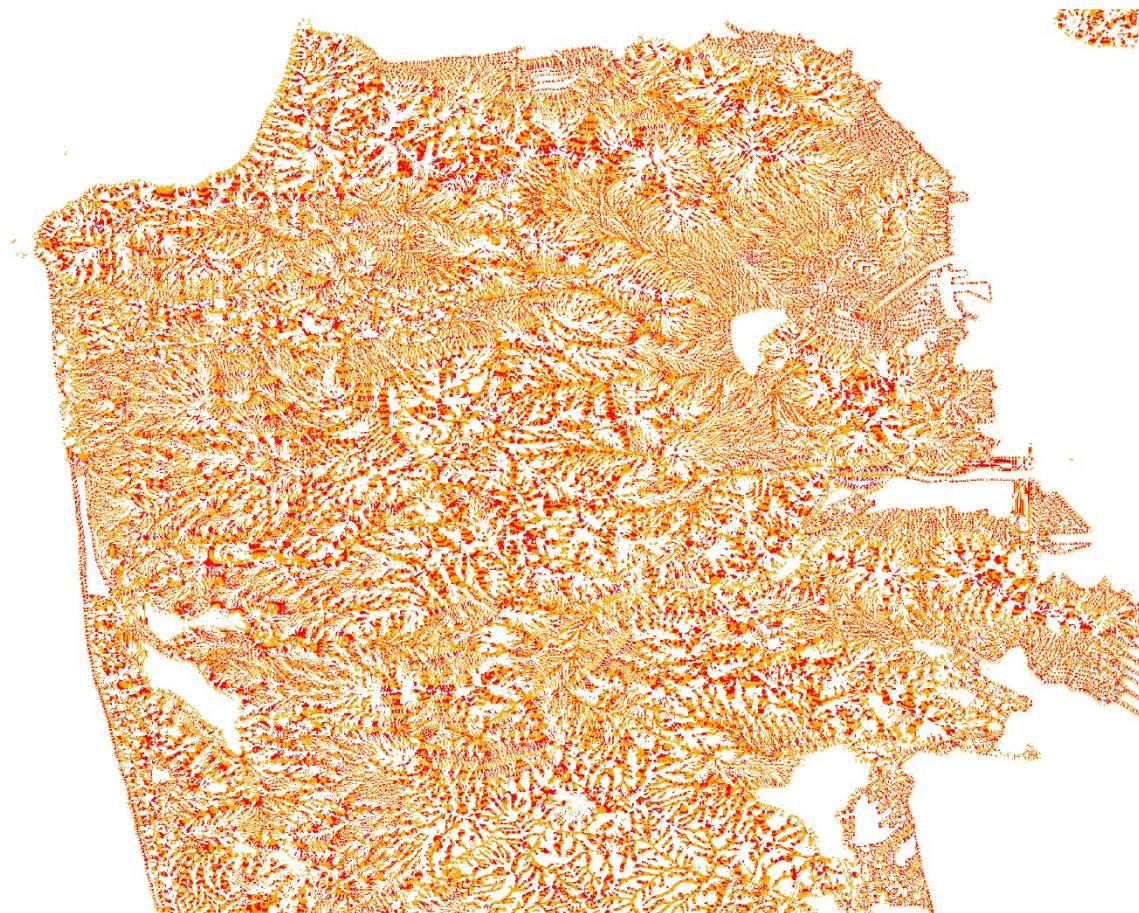
54516 Wittlich, Germany

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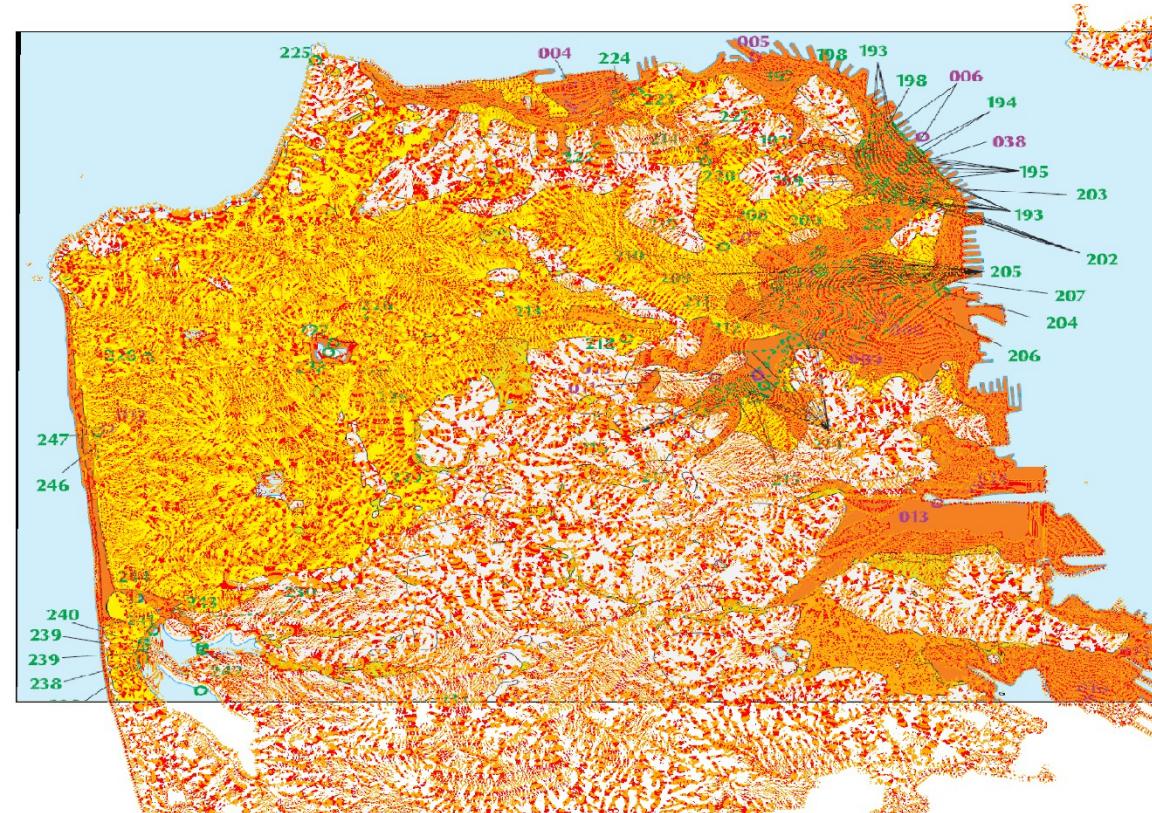
Web: www.reihsner.de

Mail: s.reihsner@reihsner.de

Earthquake analysis SF by GMD method



GMD method identify exactly the areas of potential earthquake disaster without drilling



Determin exactly Earthquake areas in Teheran by GMD

