

Zentralanstalt für Meteorologie und Geodynamik



## Private pictures help documenting severe weather events

Crowdsourcing Mapping for Disaster Risk Management and Emergency Response  
4. December 2012

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## project-partners

Folie 2



## contact

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### project management

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### project assistance

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## project-idea

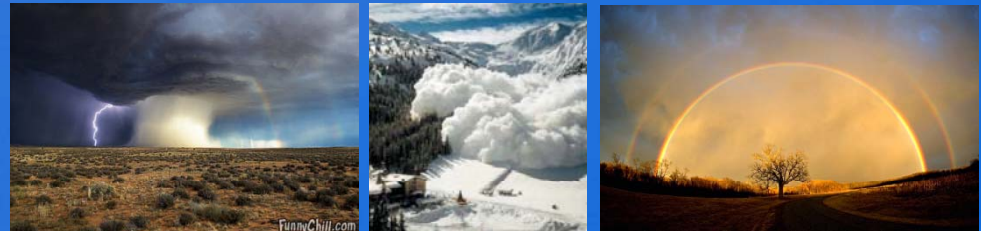
Folie 3

For a holistic assessment of weather-events two components are required:

### 1. data of the weather-event



### 2. photo of the weather-event



sources:



meteorologists



hobby-photographers





## project-goals – main goal

Folie 4

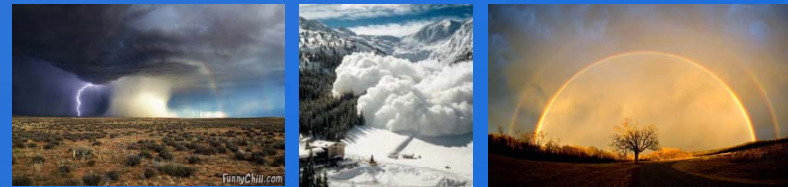
merging these two components

### Meteopics

data of the weather-event



photo of the weather-event



meteorologists



hobby-fotographers

### Meteopics



## project-goals – further goals

Folie 5

- better interpretation of weather-events
- developing an archive for students, teachers, scientists et al.
- displaying the effects of climate change
- improving the communication between students, scientists and the interested public



## How to use meteopics

Folie 6

- Pictures of weather events are uploaded to the [www.meteopics.eu](http://www.meteopics.eu) website and place comments
- Meteorologists give online comments to these pictures
- The result is a unique online weather report
- The best pictures receive prizes



## Weatherreport – content

Folie 7

Details make a report interesting

Possible contents are:

- **When** was the picture taken?
- **Where?**
- **What** can be seen on the picture?
- What was **special with the weather there?**
- **How** was the pic taken?
- **Questions** to the meteorologists.

In the best case the weather report tells a story, catches an unusual event and documents a weather phenomena, which others have never seen before.





## Weather phenomena

Folie 8

### 4 Groups:

Climate change

present Weather phenomena

Damages through extreme weather

Weatherknowledge





## Weather damage: black ice

Folie 9



**Recep  
Akyazi,  
(Foto-Author)**

This morning  
looking out of  
the window  
was  
frightening –  
all covered with  
ice!!!

***Astrid Lienbacher, Meteorologist:***

*A cold front past last night with rain up to 1200m. Temperatures on the ground were around -10, so the rain froze on the cold surface. The rain droplets had no chance to freeze like crystals*



## Weather damage: Tornado

Folie 10



### Babos Oliver (Foto-Autor)

On the 14.05.2011 there were 2 Tornadoes at Müllendorf (Burgenland). There was damage to property but not to persons. For details see <http://bocwetter.blogspot.com/2011/05/bgld-tornado-im-burgenland.html>

### *Josef Haslhofer, Meteorologist:*

*The convergence (Westwind hits East/Southwind) produced a thunderstorm. The cell moved with high speed across the area*





## Weather damage: Landslides

Folie 11

**Christian Ortner,  
Meteorologist:**

The stations around this area showed heavy rain on the previous day so the rock slide was probably launched by a thunderstorm



**Katharina Lainer  
(Foto-Author)**

This Foto was taken 28. August 2011 at 15.00 at Lend (Pinzgau), a rock broke down and covered the street. Fortunately no one got hurt



## What you II have to do

Folie 12

- Take them all !!!!
- Put the picture in a context
- Answer **every** question





## mean it

Folie 13

### Copyright

- All pictures are under Creative Commons Rights
- As a user you may:
  - Store, duplicate and publish under the conditions:
    - **Mention the name** of the author
    - **No commercial use**
    - **No editing**



## What you'll get

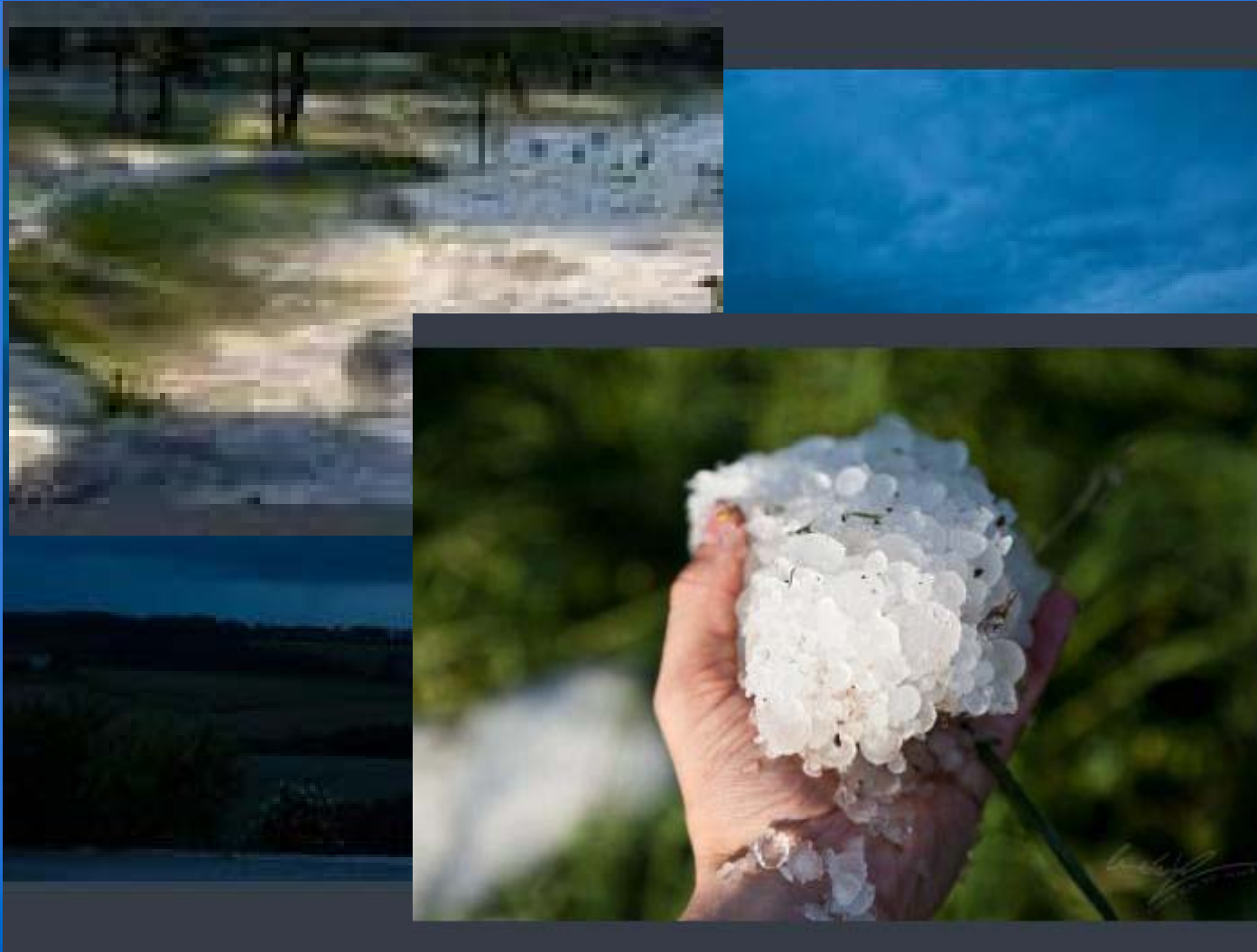
Folie 14

- Questions/interpretations by non-experts -> new ideas or common misunderstandings
- A foot in the blogosphere -> People will listen (to experts)
- Material from areas that are not on your radar



## Thx 4 your attention

Folie 15



Reportinformationen  
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