

## INTEGRATED PROJECT INTERDISCIPLINARY | INTEGRATED | INTERACTIVE

## Lecture 11 | Final preparation

## **Short presentations**

- Part 1: Poster preparation, design and presentation in mini conference
- Part 2: Project documentation, Geodata & Metainformation

## **Recap: IP Schedule**

No	Date	Content
1	04.03.2025	Introduction to the Course
2	11.03.2025	Project Management I
3	18.03.2025	Abstract presentations
4	25.03.2025	Project Management II (hands on Kanban, Gitlab, Wiki, Gantt) Blended Learning with video tutorial!
5	01.04.2025	Consulting 1 (Poll Link)
6	08.04.2025	Consulting 2 (Poll Link)
	15. + 22.04.2025	Easter Break
7	29.04.2025	Preparing the mid-term Pecha Kucha presentation
8	06.05.2025	Mid Term presentation
9	13.05.2025	Consulting 3 (Poll Link)
10	20.05.2025	Consulting 4 (Poll Link)
	27.05.2025	No course presence (working on the project!)
11	03.06.2025	Communication & Presentation atte
	10.06.2025	Whit "Tuesday" (working on the project!)
12	17.06.2025	Consulting 5 (Poll Link)
13	24.06.2025	Final Poster Presentation & Submission
	30.06.2024	Submission of the project achievements (no course attendance)

## **Recap: Main Goals of the IP**

- Facilitation of a project based on (some) practical question(s)/challenge(s)
- Data capturing and integration (don't forget about metadata!)
- Organisation of data: Geodatabase, what else?
- Problem specific spatial analysis workflows
- Learn your software in depth (e.g. ArcGIS 10.x)
- Cartography at its best: bring in your skills

## **Recap: Grading in the IP**

## **Project** management

- Defining the project idea (project abstract 10 %, extended abstract 10 %)
- PIP, risk log and 'lessons learned' report (PM homework 15 %)
- Progress during the semester (midterm Pecha Kucha presentation 10 %)
  Communication & Presentation
- Poster presentation of the results (final presentation 10 %) Input today
- Project Documentation (progress during the semester)
- **Contents of the project**
- Content and formalities of manuscripts (final manuscript 45 %)
- Discussion

 $\rightarrow$  ePortfolio

## **Recap: Deliverables**

## Deliverables 24.06.2025 | 6am

- Pitch' presentation 5 min + 3 min discussion
- Poster (digital, part of presentation)
- Deliverables 30.06.2025 (all information in GitLab)
- Geodata & meta-information
- Refined poster
- Project documentation



## Final Manuscript Template 🖋

The final manuscript has to be delivered by June 30. Please find attached a MS Word template. Additionally, citations should follow the AGIT format and Endnote is a mandatory citation manager to be used. Both are availabl in the "Availabe Ressources" -> "Software and Tools" section. Please again review the sensors-template.dotx to identify what makes a good paper.

Final Manuscript 30.06.2025 (Blackboard + GitLab)

Se of given template!

1

## **Streaming poster presentation**

ente and pore-scale numerical simulations

- Poster will be streamed to the wall.
- Ensure readability in the last row!
- Your pitch should be around 5 minutes (no less, no longer)
- Pointer will be available.
- Make use of your body language (mimics, gestures, voice).



#### Agenda MSc Applied Geoinformatics Final Conference

Tuesday June 24, 2025 | 08:00 - 12:00 | GI Lecture room

ID	Time	Person(s)	Discussant		
1	08:15 - 08:25	Klug (Welcome)			
2	08:25 - 08:35	Xie, Xinyun	Bao, Yizhou		
3	08:35 - 08:45	Tkalec, Isabella	Xie, Xinyun		
4	08:45 - 08:55	Schneeberger, Max Walter	Tkalec, Isabella Schneeberger, Max Walter		
5	08:55 - 09:05	Liu, Yiqi			
6	09:05 - 09:15	Liu, Xiao	Liu, Yiqi		
	09:15 - 09:25	Short Break			
7	09:25 - 09:35	Hopp, Timm	Liu, Xiao		
8	09:35 - 09:45	Herbst, Florian Georg	Hopp, Timm		
9	09:45 - 09:55	Guo, Wenxu	Herbst, Florian Georg		
10	09:55 - 10:05	Chen, Yueyi	Guo, Wenxu		
11	10:05 - 10:15	Bao, Yizhou	Chen, Yueyi		
	10:15 - 10:25	Klug (Conclusion)			

The procedure is as discussed in the meeting preparing the poster presentation. After an introductory talk from Hermann Klug, the first discussant takes over responsibility for an introduction of the next presenter. The presenter presents the poster. The discussant keeps the time of the presentation and takes over again for leading the discussion on the presented poster. Once the discussion is finished, Chen takes over responsibility for the next presenter. This procedure follows until the final presentation.]

1 min brief intro
 5 mins presentation
 3 mins discussion

FUTURE WITH GEOINFORMATION > www.uni-salzburg.at/zgis/

## **Final presentation**

## **Mini Poster Conference**

Introduction: Project topic, challenges, research question, objective(s)

- Study area
- Method(s) & Implementation
- Result(s)
- Discussion & Outlook
- References

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1 min brief intro
 5 mins presentation
 3 mins discussion

FUTURE WITH GEOINFORMATION > www.uni-salzburg.at/zgis/

## **Role of discussants**

- Introducing the next presenter
  Keeping the time
  Stimulating discussion
  Asking a question if the audience
  - is silent

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Program		PROGRAM COMMITTEE					
	riogram		MARKETPLACE				
Tuesday, July 1 <sup>st</sup> ,		GREEN MEETING					
	Time	Session	SPONSORING				
	16.00 h	Pre-registrat	ion				
	17.00 h	lcebreaker E	vent (until – 20.00 h)				

## Wednesday, July 2<sup>nd</sup>, 2025

19.00

Social Event, Dinner & DJane: Mensa & Terrace

12.00 h	Lunch Break	
13.00 h	Earth Observation & GIS for Disaster Monitoring and Mitigating: Studio 3D GIS Applications: Grüner Hörsaal Geoland Forum: Blauer Hörsaal Meet the Keynote Speaker: HS 414	Empowering Geoinformatic Innovators: Dekanatsaal Räumliche Simulation: Lab
14.15 h	Coffee Break	
15.00 h	Natural Hazards & Dynamics: Grüner Hörsaal GiPat Forum: Blauer Hörsaal Story of Success AGEO: HS 414	Empowering Geoinformatic Innovators: Dekanatsaal Copernicus Data: Studio Introduction to ArcGIS esri: H5 413 Räumliche Simulation: Lab
16.15 h	Coffee Break	
16.45 h	Environmental Monitoring & Modeling: Grüner Hörsaal Smart Solutions of Public Data: Blauer Hörsaal Poster Session: Studio Meet & Match: HS 414 AGEO Forum: Dekanatsaal	Migrating form ArcMap to ArcGIS Pro esri: HS 413 Umfrage & Geodaten: Lab
18.00	Apéro from Team AGIT: Marketplace	

## Conference announcement



## **Getting there - From the** idea to the presentation



## It all starts with an idea

You must turn that idea into a succinct message and support it with a combination of images and short blocks of text.



## Know your message

What is the **ONE** thing you want your audience to learn? Focus on your message throughout the poster If it doesn't reinforce your message, leave it out!!



## Know your audience

Your audience determines the tone and content of your poster



Write an effective abstract



You have to get your poster accepted -- and get people interested in viewing it. Create an effective poster

Carefully plan, draft, edit, and construct your poster.



## Present your poster effectively

What to do when you get to the meeting.



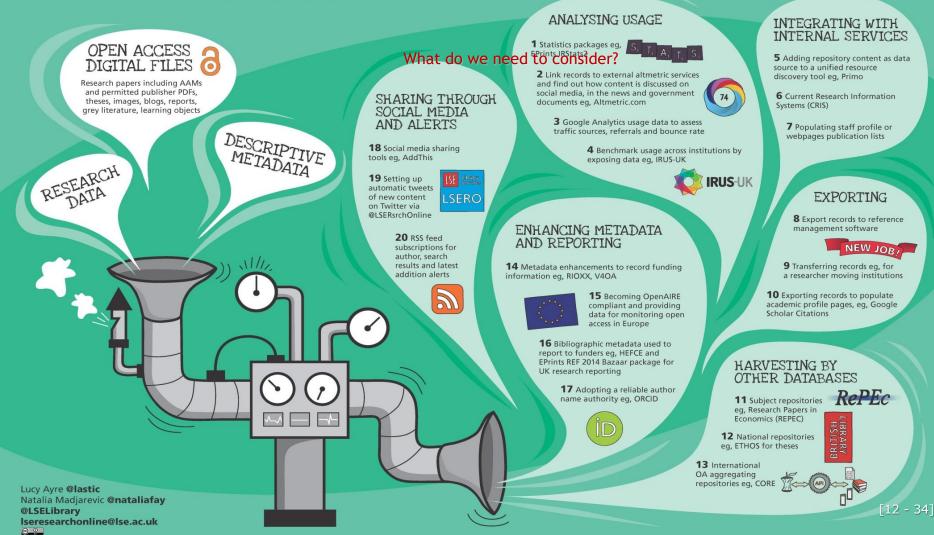
## **Evaluate the results**

Incorporate what you've learned into your next poster.

## 20 ways to reuse repository content

Leveraging connections to external services and encouraging the reuse of repository content. We share methods used in LSE Research Online and more...







- You must be able to state your main point(s) or conclusion(s) succinctly.
- Pick one thing you want readers to learn.
- If visuals and text do not support that message, leave them out!
- What is the average time spent at a poster?



## **Effective Poster Design ...**

- THERE WAS I THE

## delivers a clear message is highly visual is read easily from 1-2 meters away

→ https://agitposters2021.blogspot.com/





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## **Poster contents**

- Title of the project
- Involved persons and institutes
- Introduction
- Material & Methods
- Results
- Discussion & Outlook
- (Acknowledgement)
- Logos
- Literature,
   References, Sources



## Poster formats

DIN-Formate	in mm	enthalten in A0	Pixel bei 300 ppi (dpi*)	Pixel bei 150 ppi (dpi*)	Pixel bei 72 ppi (dpi*)	Größe in qm	in qm bei Teilung von 1
AO	841 x 1189	1 x	9933 x 14043	4967 x 7022	2384 x 3370	0,999949	1
A1	594 x 841	2 x	7016 x 9933	3508 x 4967	1684 x 2384	0,499554	0,5
A2	420 x 594	4 x	4961 x 7016	2480 x 3508	1191 x 1684	0,24948	0,25
A3	297 x 420	8 x	3508 x 4961	1754 x 2480	842 x 1191	0,12474	0,125
A4	210 x 297	16 x	2480 x 3508	1240 x 1754	595 x 842	0,06237	0,0625
A5	148 x 210	32 x	1748 x 2480	874 x 1240	420 x 595	0,03108	0,03125
A6	105 x 148	64 x	1240 x 1748	620 x 874	298 x 420	0,01554	0,015625
A7	74 x 105	128 x	874 x 1240	437 x 620	210 x 298	0,00777	0,0078125
A8	52 x 74	256 x	614 x 874	307 x 437	147 x 210	0,003848	0,00390625
A9	37 x 52	512 x	437 x 614	219 x 307	105 x 147	0,001924	0,001953125
A10	26 x 37	1024 x	307 x 437	154 x 219	74 x 105	0,000962	0,0009765625

841 mm

420 mm

A2

210 mm

Α4

52 mm 105 mm

A6

A3

A8

A5

A7

74 mm

148 mm

E

297

594

1189 mm

- Portrait or landscape format
- Three colours maximum
- Highlight important things
- Leave enough space
- Avoid abbreviations



Department for Geoinformatics – Z\_GIS Schillerstrasse 30 5020 Salzburg – Austria Your contact: Hermann Klug

+43 (0)662 8044 - 7561 hermann.klug@plus.ac.at | www.gi-salzburg.org

## **Poster formats**

### Information for Poster & Storymap Presentations at the GI\_Salzburg23

Dear Poster/Storymap Author,

thank you for your poster/storymap contribution to GI\_Salzburg23. We look forward to your presentation during our GI\_Salzburg23 poster session. Below are some tips for the session.

### \* The ideal poster

The ideal poster generates attention and interest. Attractive posters stimulate discussion and pique the interest of others. It should provide a creative brief overview of your work and the results obtained.

### \* Poster Guidelines ...

- → A poster is created in either portrait A0 or landscape A1 format.
- ightarrow A storymap is easily readable on a screen from two meters away (16:9 format)
- $\rightarrow$  Both tell a story and are creatively connected by a common thread
- ightarrow They include a title, graphics, images, tables, explanations and author contacts
- $\rightarrow$  A consistent summary is available (possibly also as a printout)

### \* Submission

Please upload your finished poster/storymap to our platform by June 1 as a jpeg file with a maximum size of 10 MB (https://www.conftool.com/gi-salzburg2023). For storymap submission, please take a screenshot & upload it to Conftool along with the relevant link.

When submitting, please write in the comments field whether it is a poster or a storymap.

### \* Format

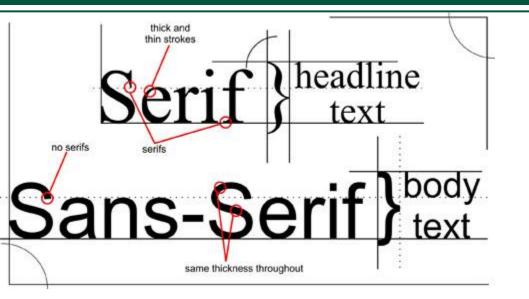
Posters will be mounted on one (1) moderation wall with four (4) pins provided. The format of the moderation wall provides for **AO (841 x 1189 mm, portrait)**, or **A1 (841 x 594 mm, landscape)** format. Please print your poster in advance. We are unable to provide on-site poster printing. We will inform you about time & place of poster hanging in time. There will be a list on site at the beginning and at the end of the poster exhibition with assigned moderation wall/ and screen respectively.

Storymaps will be displayed as interactive posters on screens and therefore should be in **16:9 format**. Please ensure that the information is easily readable from two meters away.

# But what about virtual poster presentations?

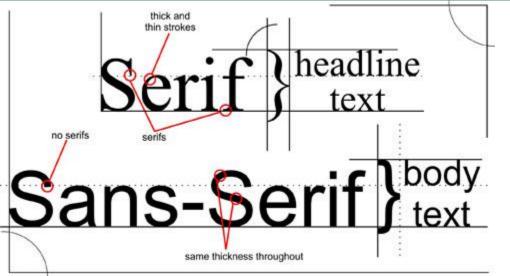
- Use screen format 16:9 or 16:10
- Ensure readability of (less) text
- Consider participants looking at 24" monitors

## **Poster text**



- Font type
- Font size printed (min 36/24 pt)
- Font combinations
- Indents and spacing
- Bold, italicised, underlined, shadowed
- Alignment
- Contrast

## **Poster text**



- Bullet points
- Avoid excessive text & long sentences
- Keep text elements to 50 words or less (on printed version)
- Use an <u>active voice</u>
- Short title and heading
- Reflect on text colour

https://webapps.towson.edu/ows/index.asp



### Dr. Hermann Klug | Department of Geoinformatics (Z\_GIS) | Paris-Lodron University of Salzburg

### Lines and sinuosity -

SALZBURG A GRASS GIS tool detecting lineaments on remotely sensed data.

Sebastian Baumann<sup>1</sup>, Jörg Robl<sup>1</sup>, Lorenz Wendt<sup>2</sup> and Sylke Hilberg<sup>1</sup>. <sup>2</sup>University Salzburg, department of Geography and Geology; <sup>2</sup>University Salzburg, department of Geoinformatics.

Theoretical basics:

The identification of geological structures is an essential task of groundwater surveys in hard rock aquifers (1). Due to minor or no primary porosity in hard rock aquifers, geologic structures as joints and fractures largely determine the rock bodies' water transmissibility. Lineaments on satellite images or hillshades of digital elevation models possibly indicate such hydrogeologically relevan structures. We present an automated lineament extraction tool for remotely sensed data and discuss the results for different freely available input data (Landsat, SRTM). We compare these results with a hand-drawn lineament map and investigate the theoretical and practical limitations of our lineament extraction tool.

Automated lineament analysis on remotely sensed data requires two general process steps: The identification of neighboring pixels showing high contrast and the conversion of these domains into lines. The target output is the lineaments' position, extent and azimuth. We use the established Canny edge detection algorithm (2, 3) to generate such domains in a GRASS GIS environment and focus on the line conversion of these raster maps to line vector maps.

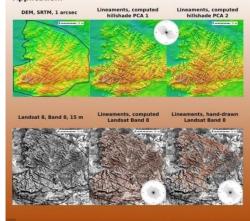
The dependency of azimuth resolution on line length is a fundamental limitation of such a conversion. A straight line generated from a raster map needs at least a length of eleven pixels to ensure a azimuth resolution of 5\*. Therefore our line conversion tool uses an adjustable line length threshold to generate the required azimuth resolution

#### Line conversion:

In a first step the binary edge image of the Canny algorithm is transformed to a line vector map. This lines show all kinds of curvatures. The lineament extraction tool chooses randomly a starting or ending node of such a line and adds further nodes until an upper limit for sinuosity is exceeded. An upper limit close to 1.1 ensures to detect lineaments that deviate slightly from perfect straight lines, but also to reject line segments that are too bent. If the sinuosity mit is reached and an analysed line segment is longer then the line length threshold, its starting and ending node define the resulting lineament. The remaining line segment is analyzed in a next step. This process is repeated until all lines of the line vector map are analysed

The upper limit for sinuosity is also crucial regarding azimuth errors. A too high upper limit results in lineaments' azimuths that strongly deviate from the line segments' azimuths. On the other hand a too low value generates many short lineaments with unsatisfactory azimuths. However, the azimuth direction of the final lineament is always the mean azimuth direction of shorter line segments. Step 6 on the workflow chart shows a visualisation of the line conversion process.

#### **Application:**

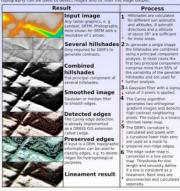




The lineament extraction tool works for any raster graphics but is presented here for digital elevation models. Lineaments derived from DEMs solely rely on elevation information and therefore represent topographic features that are linked to geologic structures. Reflectence images or aerial photographs also contain anthropo features as streets and buildings that do not originate from geologic structures  $(\vec{1})$ . Another benefit using DEMs for lineament extraction is that lineaments can be filtered with topographic information. E. g. the Canny algorithm detects ridges as edges also on reflactance images. Ridges of course have a geologic source and mark watersheds but are not relevant for ground water flow in the first place. The curvature of the topography can be used to detect ridges and to filter the edge output.

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Z



#### Test site and input data:

The chosen test site is an area with clear and distinct, largescale lineament features. The area is close to the Marakele National Park in the northeastern part of South Africa on the western edge of the Watersberg mountains. As input data we used free available SRTM DEMs with a resolution of one arcsec and Landsat 8 (band 8) surface reflectance image with a resolution of 15 meters. A lineament map was hand-drawn on the basis of the Landsat 8 (band 8) reflectance image and both input datasets were computed with our lineament extraction tool. The data was processed as described in the workflow chart and an upper limit for sinuosity of 1.1 was used. To ensure a appropriate azimuth resolution the line length threshold was set to a length of twenty pixels. The curvature filter was used computing the lineaments from the DEM. The black framings on the input maps mark the computed area.

#### Conclusion:

Results of automated lineament extraction tools are reproducible and independent from a processors' conception This is the main advantage compared to hand-drawn lineament maps. n general all approaches detect the large-scale structures

ut differ in small-scale features. This is especially clearly documented on the azimuth rose diagrams of the computed and hand-drawn lineament map of the Landsat surface flectance image: The azimuth rose diagram of the hand drawn lineament map shows an explicit preferred orientation. In contrast the azimuth rose diagram of the

1

Dr. Hermann Klug | Department of Geoinformatics (Z GIS) | Paris-Lodron University of Salzburg

[23 - 34]

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-9

Μιττείεκδε, τλώσειδε Ομακδατκιλομέτει voller τοεδλικήε Gefadiren und Deraasporderungen. Wie sollen sich Frodo ανό σεινε Gefaddrifen am schnellsten und sichersten durch dieses Labyrinth aus Orks, dunklen gefachrlichen Waeldern, steilen Berädarngen, toeblichen Kreaturen und vielem Medr durchkarmpfen?

GANZ EINFACH, GIS-DOBBITS UNTERSTUETZEN MIT Ihren Fachicikeiten das Gute in Mittelerde. Sie diaitalisierten Mittelerde bis ins kleinste detail vom Dochemmodel bis zu den gefachelichen zonen und ermittelten dann mit einer Least-Cost-Path Analyse den sichegsten Weg von Dorbingen zum Schicksalbreg.

Mit ihren magischen Methoden fanden sie so zum einen den sichersten Direktweg zum. Schicksalsberg und zum anderen eine Alternative mit Zwischenstopp in Rivendell, einem wichtigen Ort Frodo's Reise.



## Lord of the rings

## HOW WELL DO TERRAIN OBJECTS DERIVED FROM PRE-EVENT DIGITAL ELEVATION MODELS SPATIALLY CORRESPOND TO LANDSLIDES?

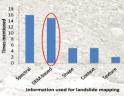
### Clemens EISANK, Daniel HÖLBLING, Barbara FRIEDL

Department of Geoinformatics – Z GIS, University of Salzburg, Schillerstraße 30, Salzburg, Austria (clemens.eisank@sbg.ac.at; daniel.hoelbling@sbg.ac.at; barbara.friedl@sbg.ac.at)

### Background

In Earth Observation (EO) based landslide mapping digital elevation models (DEM) and derived terrain objects (e.g. landforms) and terrain variables (e.g. slope, curvatures) are commonly integrated with optical satellite images to map landslides and to classify landslide types. Ideally, the EO data and the DEM should document the same state of the environment, i.e. data should be acquired at similar points in time.

However, this is rarely the case, since EO data is being produced at higher temporal frequencies than DEMs. Consequently, the DEMs used for automated landslide mapping are often outdated, i.e. they are significantly older than the EO data. This leads to the problem that the DEM does not represent all the landslides that are present in the optical images.



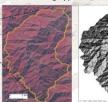
### Aim

The aim of this study is to analyze how well terrain objects that are derived from a pre-failure (outdated) DEM spatially correspond to landslides.

### Study area & data

The study area, the Baichi catchment, is located in Northern Taiwan, and covers about 120 km<sup>2</sup>. Elevation ranges from 1,000 to 3,000 m.a.s.l. The area is frequently affected by landslide events, mainly caused by heavy rainfalls during typhoons.





Topography of the island of Taiwan

5 m DEM Study area Baichi Landslide inventory derived from Manually orthophotoorthophotos taken in delineated landslides 2002 and 2003 (relief- from 2004 and 2005 shaded view) (n = 463)

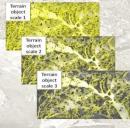
#### Acknowledgements

This research is being funded by the Der Wissenschaftsfonds. Austrian Science Fund (FWF - P25446-N29)

### Methodology

#### 1) Calculation of 40 terrain variables

Based on the pre-failure 5 m DEM basic (e.g. slope, curvature) and more complex terrain variables (e.g. terrain wetness index, Slope Length Factor (LS factor)) were computed.



3) Identification of terrain

objects corresponding to

The mutual spatial overlap

between terrain objects at

each scale and reference

calculated. Based on selected

thresholds the corresponding

terrain objects were identified.

landslide polygons was

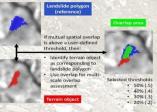
landslides

#### 2) Generation of terrain objects for each variable

.

The multiresolution segmentation (MRS) as implemented in eCognition was applied to partition each terrain variable into consecutive coarser scales of terrain objects. MRS applies region-growing to merge neighboring grid cells with similar values to objects.

The statistical method of local variance was employed to identify the three most significant terrain object scales for each variable.



#### 4) Calculate the percentage of overlapping reference landslide area

The corresponding terrain objects at the three scales were merged into one dataset. The merged polygons to eventually compute the percentage of

Title: Integrated Semi-Automated Landslide Delineation, Classification, and Evaluation | Akronym: iSLIDE |

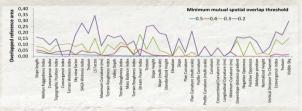
Funding agency: Austrian Science Fund (FWF)| Duration: 03/2013 - 08/2015 | Website: islide.zgis.net

objects were intersected with the reference the overlapped reference area.

### **Results & Discussion**

The diagrams below show the percentage of the total landslide reference area that is overlapped by the corresponding terrain objects, i.e. the set of merged objects that fulfilled the respective minimum mutual overlap threshold (step 4 of the methodology).

The higher the threshold, the fewer landslides were overlapped by the terrain objects, regardless of terrain variable. Highest agreements between reference landslides and terrain objects (up to 35%) were achieved for the Slope Length Factor (LS Factor), Visible Sky, and Slope Height.



When averaging the produced spatial overlaps over the four thresholds, similar conclusions can be drawn: obviously, LS Factor objects have the most predictive power with respect to landslide mapping.



### Conclusion

This study demonstrated that terrain objects based on pre-event DEMs generally have a limited landslide predictive capacity. However, some terrain variables generated significantly higher spatial overlaps with reference landslides. In cases where no post-event DEM is at hand, especially these variables should be preferred as auxiliary layers for automated EO based landslide mapping.







### CARINETALA Weiverstativ OF AFFUID CCIENCIS **GIS SUPPORTED ANALYSES OF THE URBAN BUS TRANSPORTATION NETWORK IN UDINE CAROLIN ORTNER**

## **Urban Transportation**

#### MOTIVATION

In urban areas bus networks represent a very important component of public transport and transit. Population and important facilities always change. As well exists a lack of parking facilities. Since 1995 the company SAF Autoservizi F.V.G SpA is mainly responsible for the public transportation service in Province of Udine, Friuli-Venezia Giulia (FVG), northeast of Italy. To improve the transport infrastructure regarding the population's needs GIS techniques can be very useful to support the bus company.



Greate Model

© Carolin Ortner, BSc, 2015, Villach, Austria



UNIVERSITÀ DEGLI STUDI DI UDINE

GIS lab





## What were on the posters?



## **Poster Awards AGIT 2015**

## Gewinner Postersession 2015



## 1. Platz

"Herr der Ringe - Mit Geoinformation sicher durch Mittelerde"

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## THE POWER OF STORYTELLING

MRI scans reveal that when we read words like "perfume" and "coffee", our primary olfactory cortex activates.

2 Individuals wh frequently read fiction seem to better underst other people a display greater

When someone character-drive immediately flo oxytocin, a love

omeone listens to a er-driven story, their brain iately floods with n, a love hormone. Our brain will ignore clichéd words and phrases – a phenomenon that scientists theorize is caused by loss of storytelling power.

The "hero's journey" story model is the foundation for half of all Hollywood movies and the majority of the mostwatched TED talks.

(S)

The hormone cortisol is released during the rising arc of the story, prompting a powerful emotional reaction even when the listener knows the story is fiction.



A poster should tell a story

- Spray perfume to the poster
- Imagine 3d buildings on a poster
- Insert something to touch
- Some interaction

http://www.echostories.com/the-power-of-storytelling/

## **60-Second Poster Evaluation**

Presenter	
Poster Title	
Evaluator	

### **Overall Appearance**

**Cluttered or sloppy** appearance. Gives the impression of a solid mass of text and graphics, or pieces are scattered and disconnected. Little white space. **Pleasant** to look at. Pleasing use of colors, text, and graphics **Very pleasing** to look at. Particularly nice colors and graphics.

### White Space

Very little. Gives the impression of a solid mass of text and graphics. OK. Sections of the poster are separated from one another. Lots. Plenty of room to rest the eyes. Lots of separation.

### Text / Graphics Balance

Too much text. The poster gives an overwhelming impression of text only. OR Not enough text. Cannot understand what the graphics are supposed to relate. Balanced. Text and graphics are evenly dispersed in the poster; enough text to explain the graphics.

### Text Size

Too small to view comfortably from a distance of 1-1.5 meters.
0.5 Main text OK, but text in figures too small
Easy to read from 1-1.5 meters
Very easy to read.

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### Organization and Flow

Cannot figure out how to move through poster Implicit. Headings (Introduction, Methods, etc.) or other device implies organization and flow. Explicit numbering, column bars, row bars, etc.

### Author Identification

### None.

**Partial.** Not enough information to contact author without further research. This includes missing zip codes on addresses

**Complete.** Enough information to contact author by mail, phone, or e-mail without further research.

### **Research Objective**

### Can't find.

**Present,** but not explicit. Buried at end of "Introduction", Background", etc. **Explicit.** This includes headings of "Objectives", "Aims", "Goals", etc.

### Main Points

### Can't find.

**Present,** but not obvious. May be imbedded in monolithic blocks of text. **Explicitly labeled** (e.g., "Main Points", "Conclusions", "Results").

## Summary

### Absent

"Summary", "Results", or "Conclusions" section present

## **Muman** Poster printing

JV5-1605

(Test) print your poster in A4 format and offer it with your presentation One Week before Presentation:

- Is the plotter functioning
- Who is responsible? Is there enough paper?
- How many students need the plotter?
- Do not wait up to the very last minute
- Graphics: more than 300 dpi

Check for transport possibilities

## Examples for a poster presentation

**10 30** 

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/IIT....

Luftfahrthindernisse g'scheit administriert

## How to present a poster?

Voice, gestures, mimics (body language)
Nervousness
Digital or printed presentation

## Scientific presentation



Contact to audience



Body language



Transport enthusiasm

Convincing



seating arrangement



Overcoming a Blackout



surpassing stage fright



self-conscious appearance