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PAAV plagiarism check

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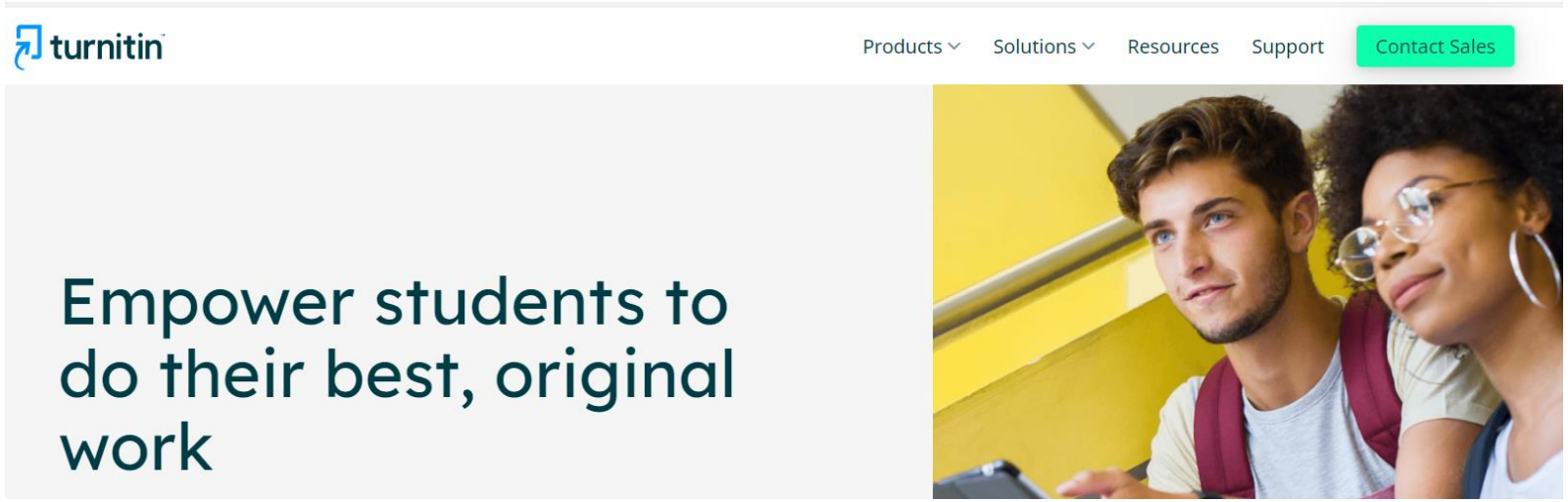
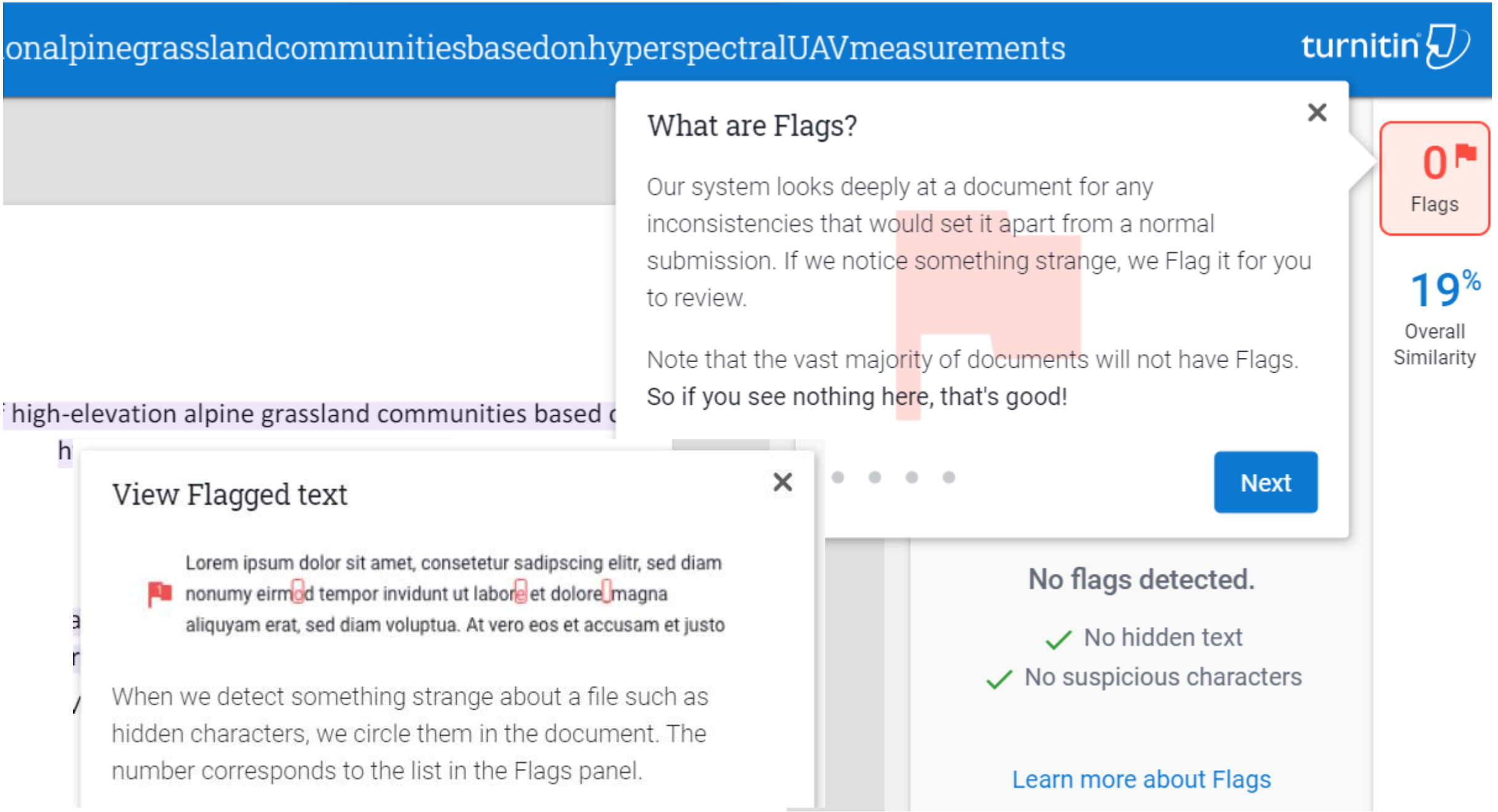
Rationale

- Ensure academic integrity
  - Pursue code-of-conduct (Author's declaration of honour)
  - Identify misconduct
- PAAV system for MSc submission uses sophisticated software
  - Crucial step to "release thesis for submission"
  - NB: screenshots are taken from a real (= realistic) case

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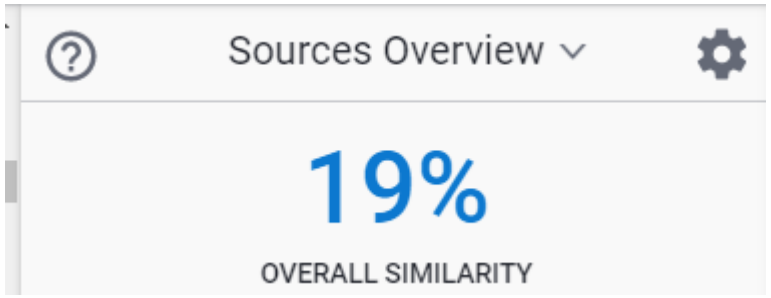

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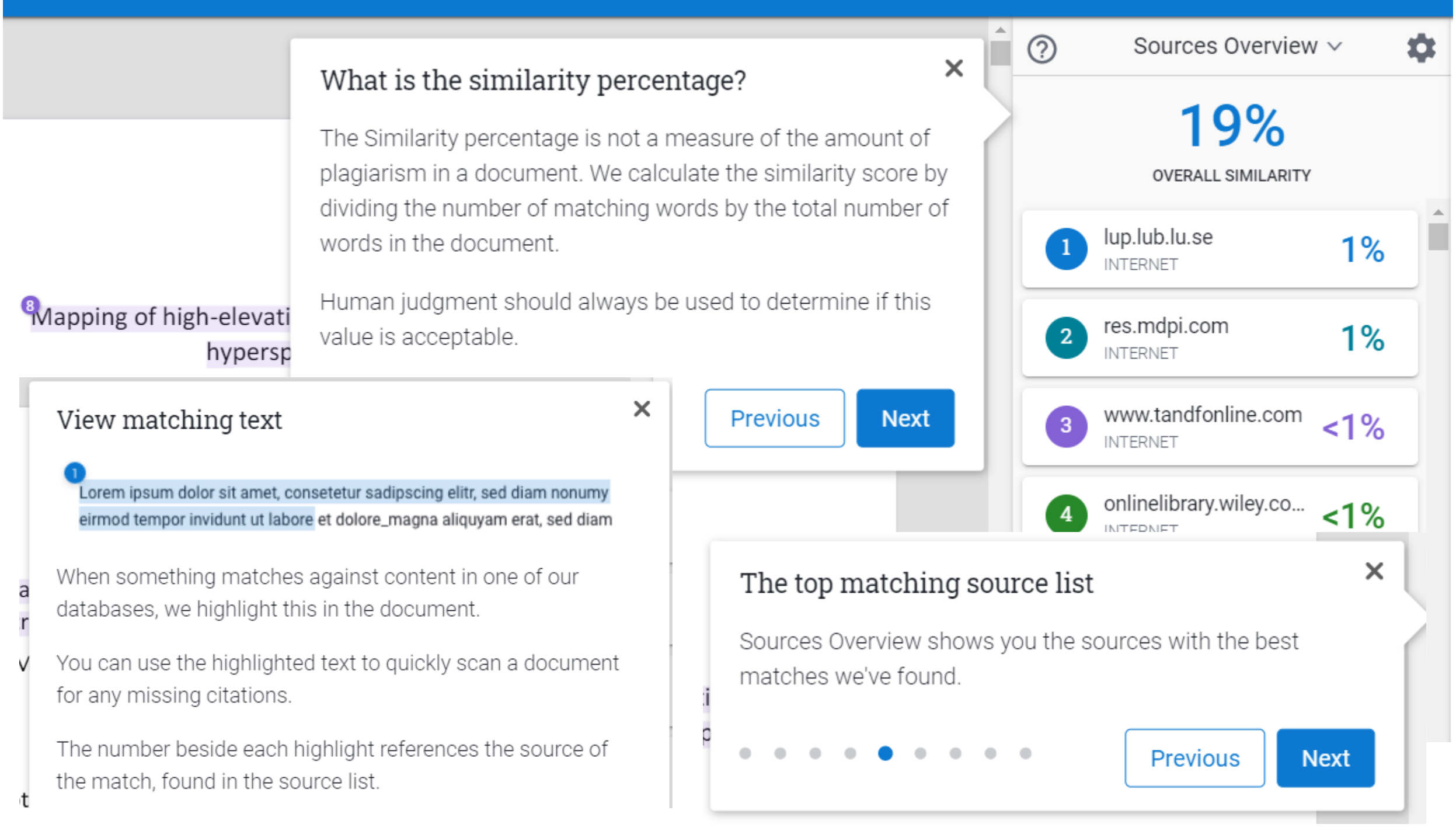
- What about …
  - general facts and common knowledge
  - geographical descriptions (“*Vienna is the capital city of Austria*”).
- Figures?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Ma – Million years ago

m.a.s.l. – meters above sea level

ML – Machine Learning

OBIA – Object-Based Image Analy

PCA – Principal Component Analy

RBF – Radial Basis Function

RGB – Red, Green, Blue: the three

SVM – Support Vector Machine

UAV – Unmanned Aerial Vehicle

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Global Positioning System HR1024i SVC HR1024i Field Spectroradiometer IR Infrared spectrum (Wavelengths between 0.7 µm and 1000 µm) JMD Jeffries-Matusita Distance - a measure for class separability **m.a.s.l. meters above sea level** NDRE Normalised Difference Red Edge Index NDVI Normalised Difference Vegetation Index NIR Near infrared Spectrum

GPS – Global Positioning System
USA)

Ma – Million years ago

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ML – Machine Learning

OBIA – Object-Based Image Anal

PCA – Principal Component Anal

RBF – Radial Basis Function

RGB – Red, Green, Blue: the three component of true colour image, in the visible light range

SVM – Support Vector Machine

UAV – Unmanned Aerial Vehicle

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General statements

- Find the right balance

Jensen, 1996). Hyperspectral data provides near-continuous spectral reflectance curves that allow the identification of unique spectral signatures, calculating narrow-band vegetation indices and, consequently, allow better differentiation of plant species. This can be regarded as the main advantage of hyperspectral sensors over the multispectral ones which records electromagnetic radiation averaged over a broad wavelength range (Adam, Mutanga, & Rugege, 2010; Papp et al., 2021). Hyperspectral images were originally used to identify

The EroDyn project (Shallow erosion dynamics in mountain grasslands of South Tyrol: Monitoring, process analysis and mitigation measures) is the framework for this thesis. EroDyn

Furthermore, the most species-rich communities are found in mainly unfertilized mountain meadows, mown once a year or less frequently every second to third year as well as in rather young abandoned areas. (Lüth, Tasser, Niedrist, Dalla Via, & Tappeiner, 2011). Another study

climate and air quality, ecosystem regulation of infectious diseases regarding the human health, regulation of natural hazards (e.g. floods and fires) and waste processing and detoxification

Declare and use intellectual properties

- Always try to adapt figures to the scope, context and depth of your thesis
- Modify, simplify, translate, …

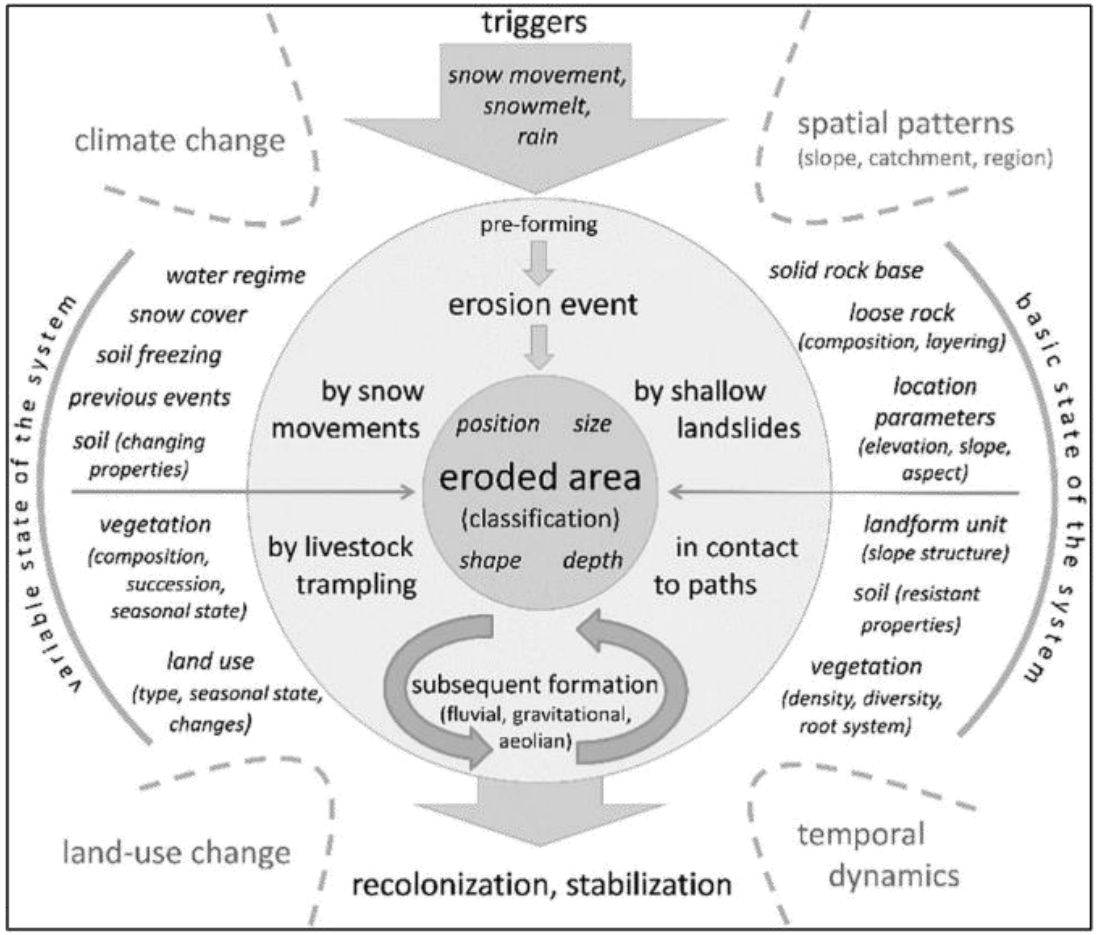

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Figure 1. System sketch: Shallow erosion types, linking phenomena, processes, controlling factors, and framework conditions (Geitner et al., 2021).