

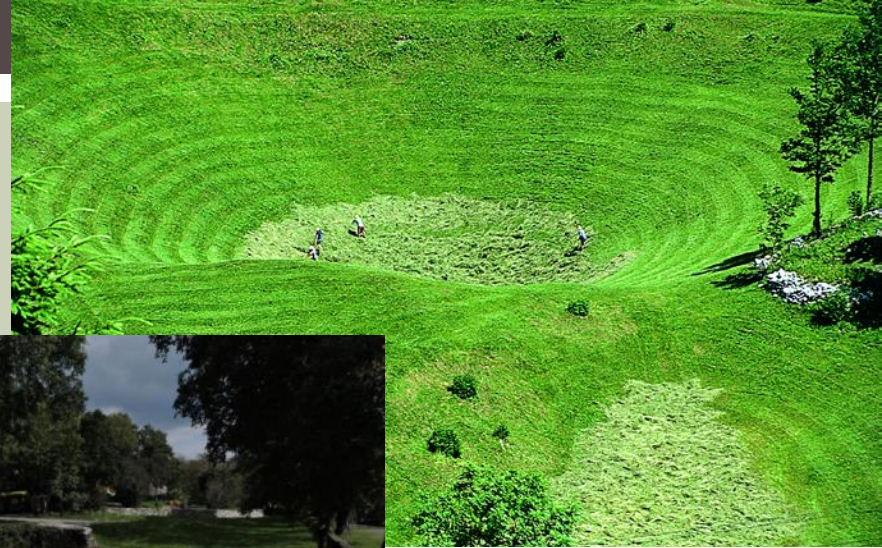
DEGRADED KARST RELIEF: WASTE-FILLED DOLINES

Mateja Breg Valjavec

Anton Melik Geographical Institute ZRC SAZU



DOLINES & CULTIVATED DOLINES



DOLINES IN SLOVENIA

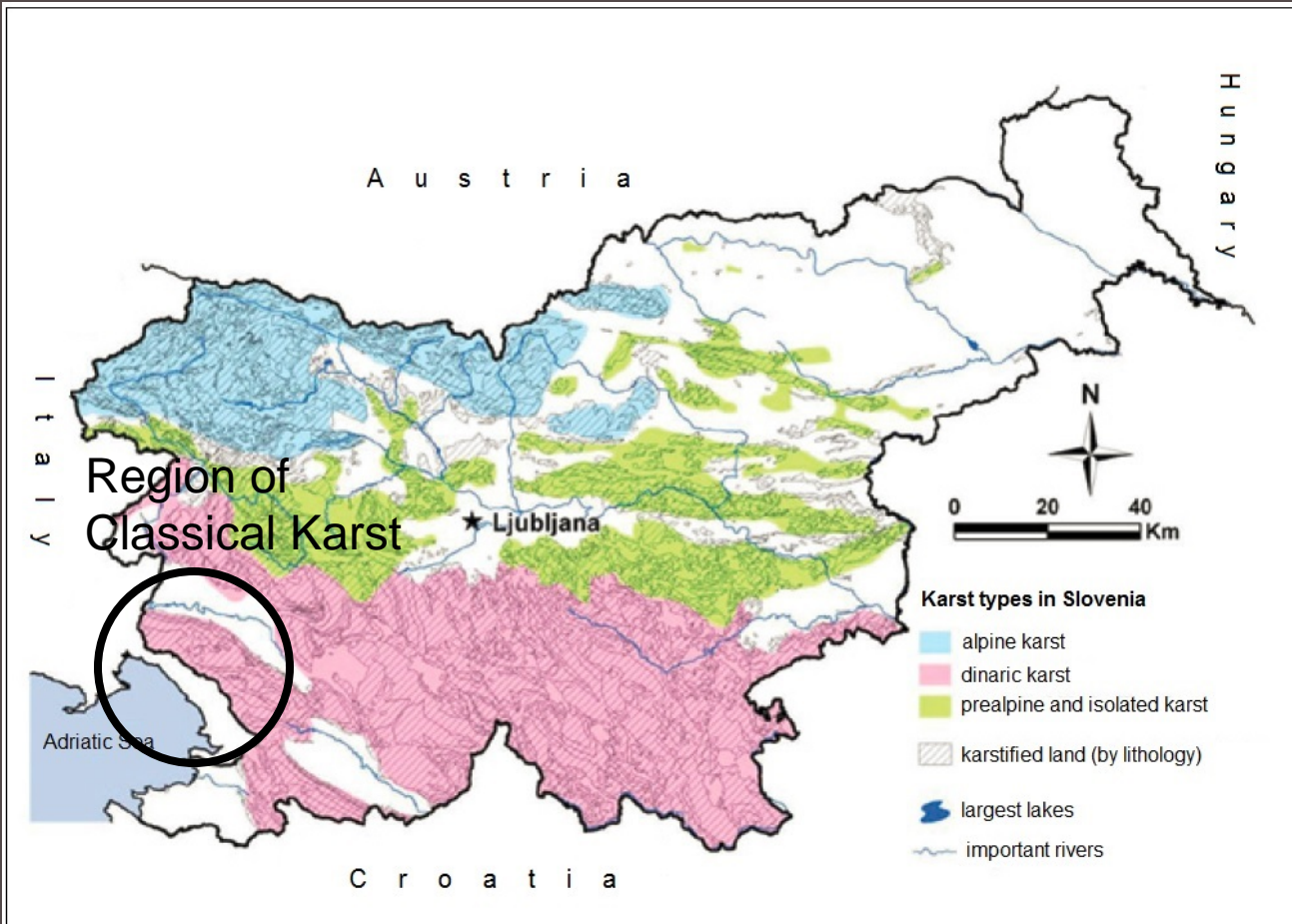


Figure 1: Karst types (Gams, 2003) and carbonate rocks (Buser, 2010) as a potential for development of karstic phenomenon (Komac & Urbanc 2013).

Where?

DOLINES IN SLOVENIA –Karst/Kras

The screenshot displays the LIDAR web application interface. At the top, the browser address bar shows the URL `gis.arso.gov.si/evode/profile.aspx?id=atlas_voda_Lidar@Arso`. The page header includes the logo for "AGENCIJA RS ZA OKOLJE LIDAR" and a search bar with the text "Stoji Iskanje".

The main content area features a map of Slovenia with a central cluster of red-outlined polygons representing cadastral parcels. A search panel on the right side of the map contains the following options:

- Imena naselij
- Poštni okoliš
- Krajevna skupnost
- Mestna četrt
- Vaška četrt
- Katastrske občine
- Ime katastrske občine
- Zemljiški kataster
- Številke parcel
- Ulice
- Lidar podatki po listih v projekciji D48GK (1km2)
- Lidar podatki po listih v projekciji D96TM (1km2)
- ← Območja Lidar posnetkov
- Lidar senčenje

The map includes a scale bar indicating 0.3km and a toolbar with various navigation and interaction icons. The Windows taskbar is visible at the bottom of the screen.

WASTE-FILED DOLINES



HOW CAN BE
IDENTIFIED?

BY COINCIDENCE ☺?



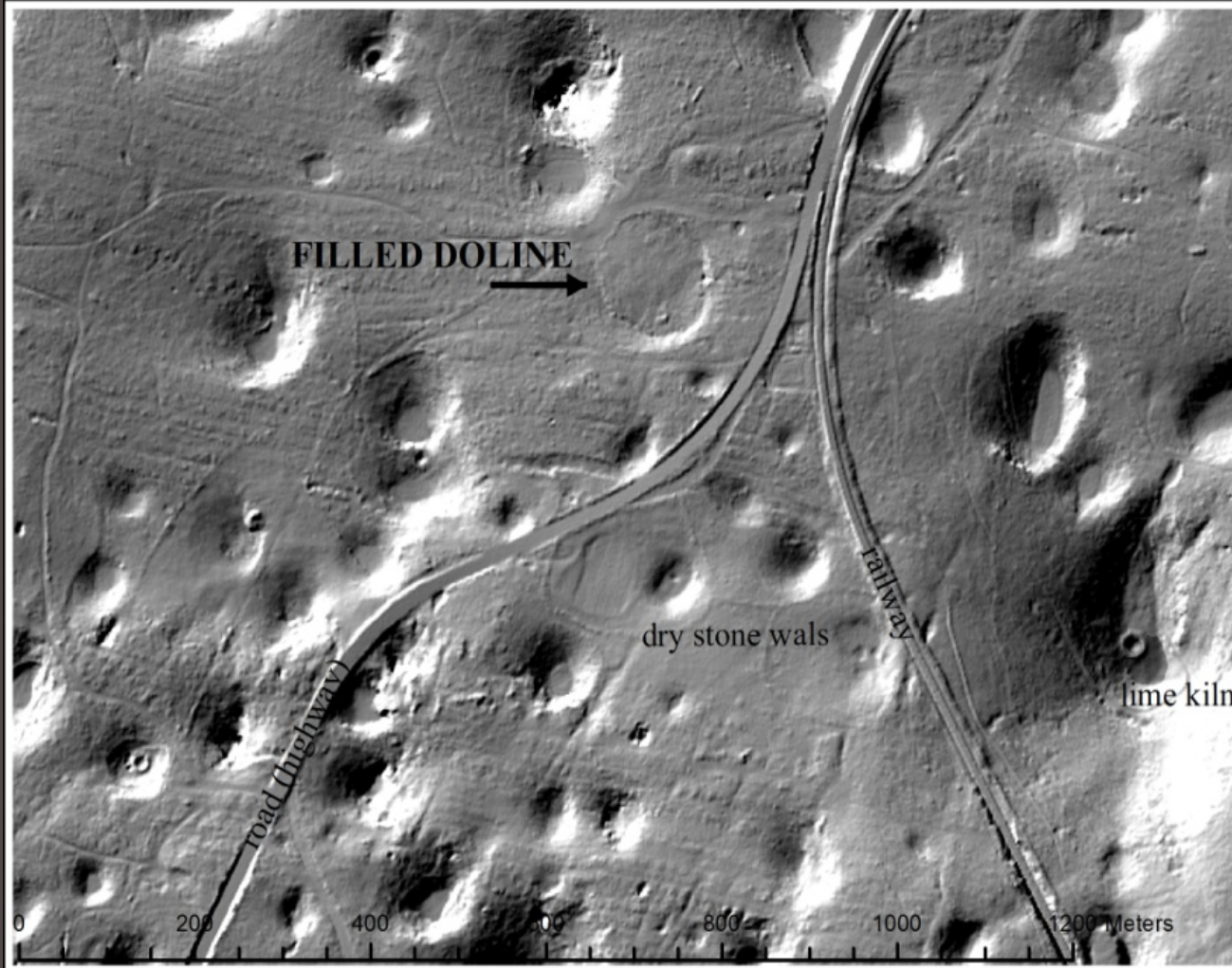
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WASTE-FILED DOLINES



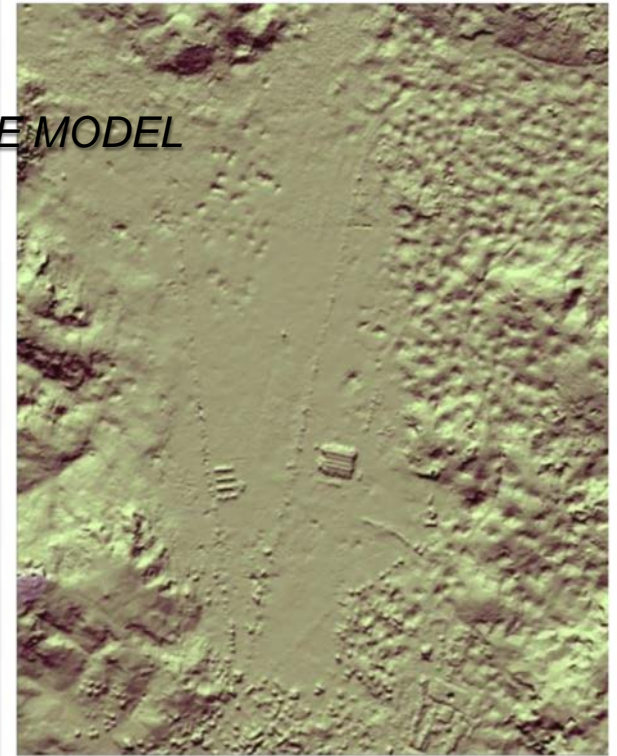
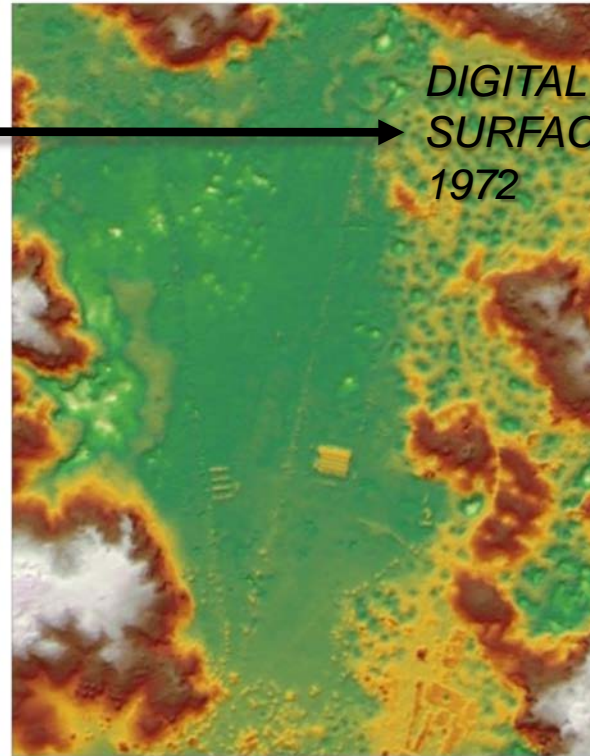
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ANALYSING LIDAR DATA



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MULTI-TEMPORAL & 3D RECONSTRUCTION



DIGITAL SURFACE MODEL - DSM 1972 (produced from aerial photographs SAS 1972)

DIGITAL SURFACE MODEL - DSM 1972 (produced from aerial photographs SAS 1972)

DIGITAL SURFACE MODEL - DSM 1972 (produced from aerial photographs SAS 1972)

0 1000 2000 3000 4000 5000 6000 7000 8000

Author: Manja Ding Velasco, © GRAM ERC SAZU, 2012

0 1000 2000 3000 4000 5000 6000 7000 8000

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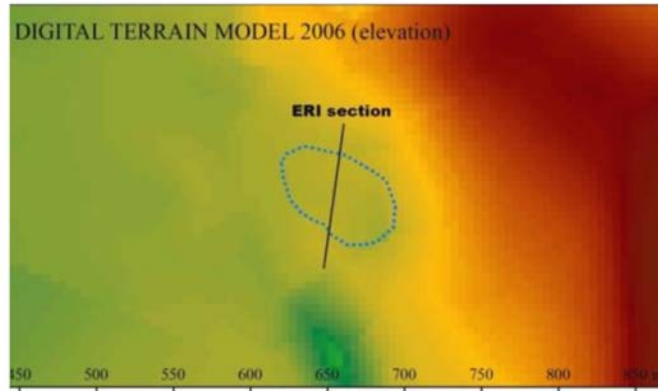
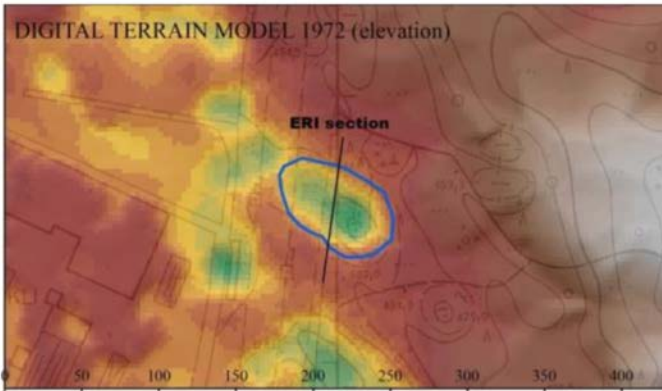
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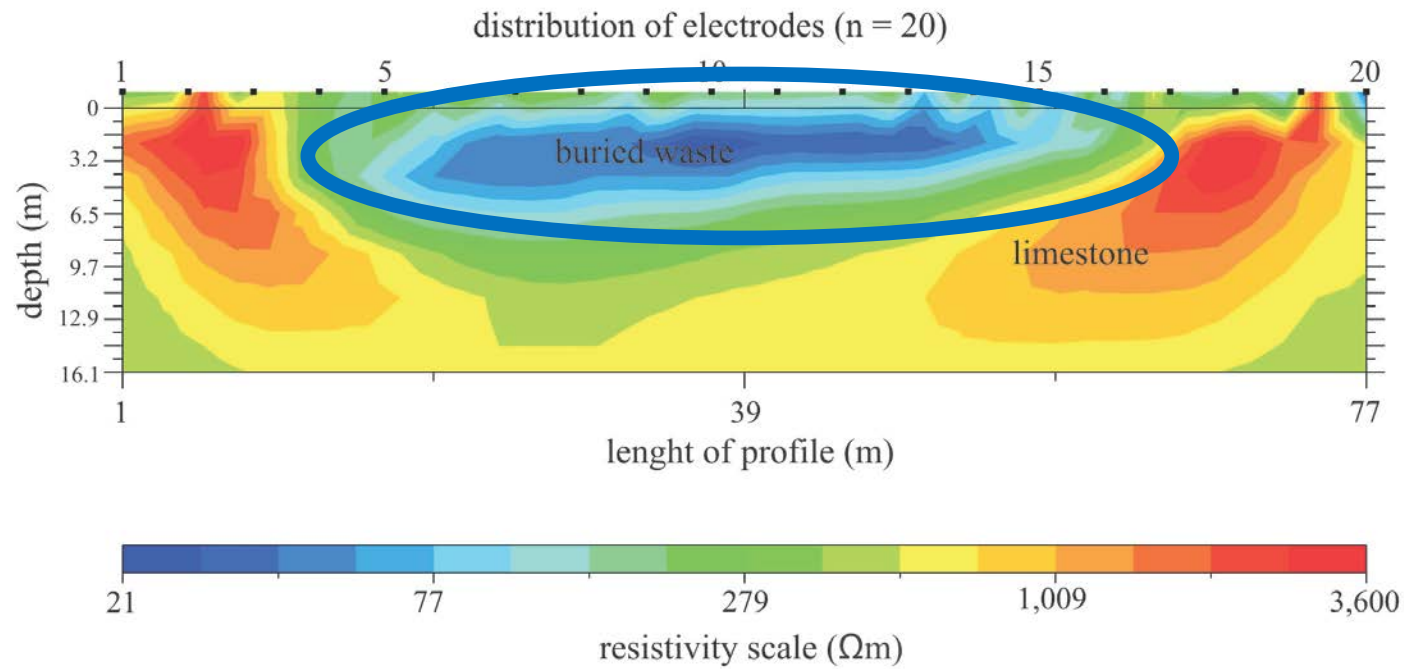
MULTI-TEMPORAL & 3D RECONSTRUCTION

YEAR 1972

YEAR 2006



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