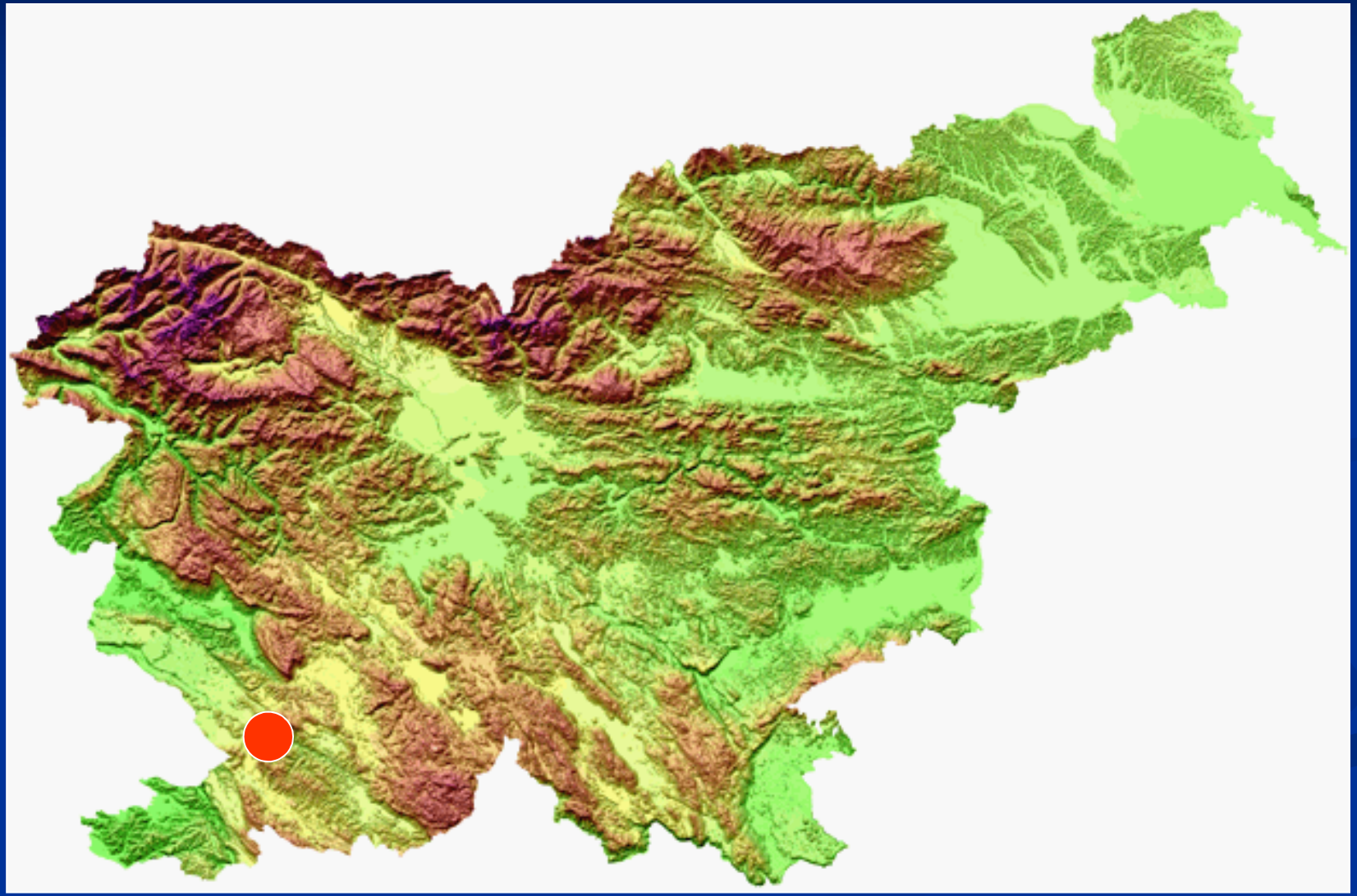
Park Škocjanske jame, Slovenija

Living World Heritage in a Special Place

Škocjan Caves in Slovenia



Škocjan Caves are members of:

- World heritage list
- Ramsar list
- MAB (Man and Biosphere) programme
- Alpine network
- Europarc
- ISCA (International Show Caves Association)

Chronic of protection of Škocjan Caves

- 1967 – plans for foundation of the Kras Regional Park
- 1980 – Decree of Municipality of Sežana
- 1986 – Inscription to World Heritage List
- 1996 – Škocjan Caves Regional Park
- 1999 – Inscription to Ramsar List
- 2004 – Natura 2000
- 2004 – MAB (Man and Biosphere) Programme

Škocjan Caves as UNESCO World Heritage

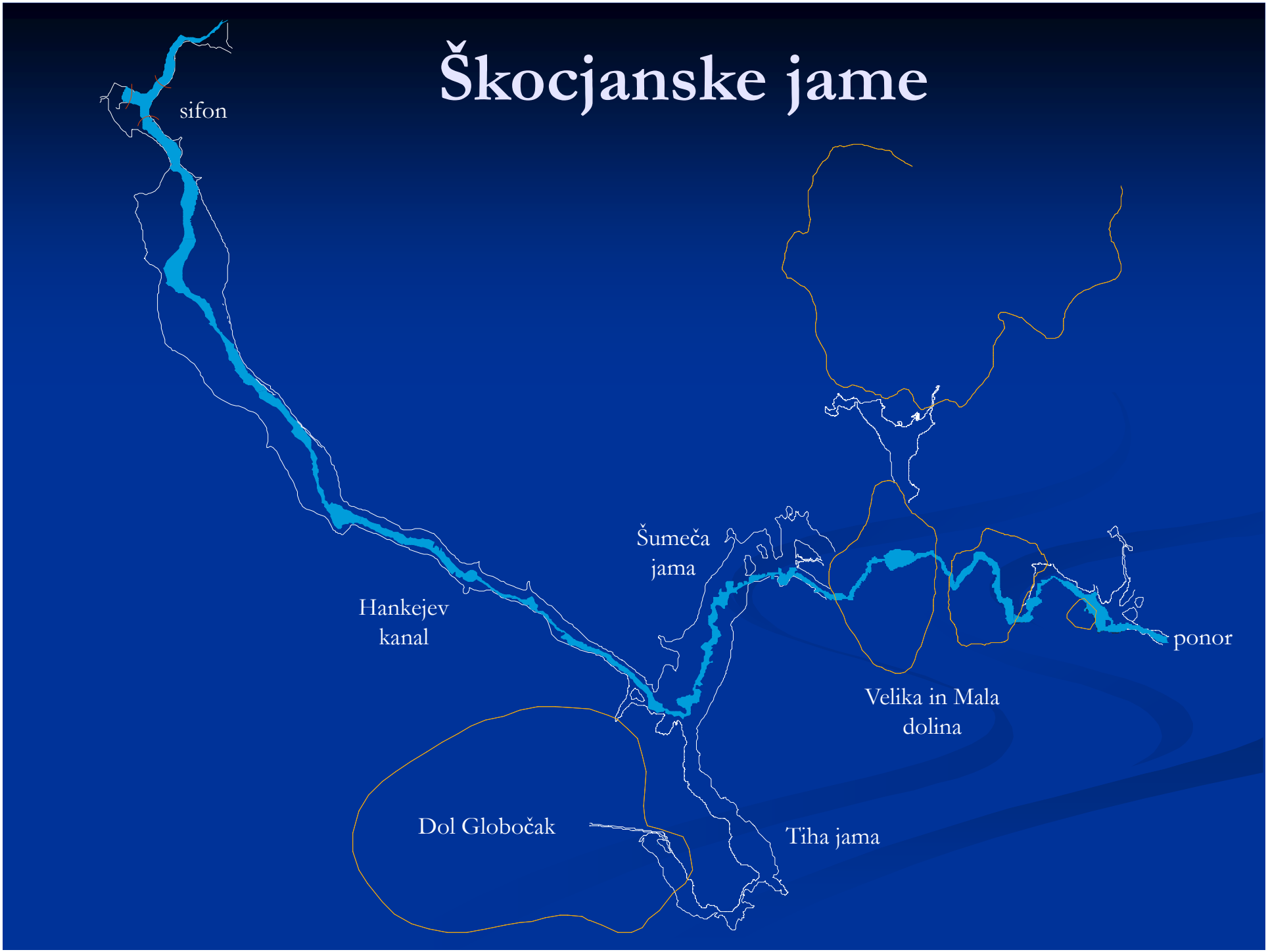
- As natural phenomena
- Among 4 other caves (other as cultural monuments or as parts of bigger areas/parks)
- Criteria: (ii) and (iii)
- Idea of inscribing whole Karst region

Four main points for inscribing

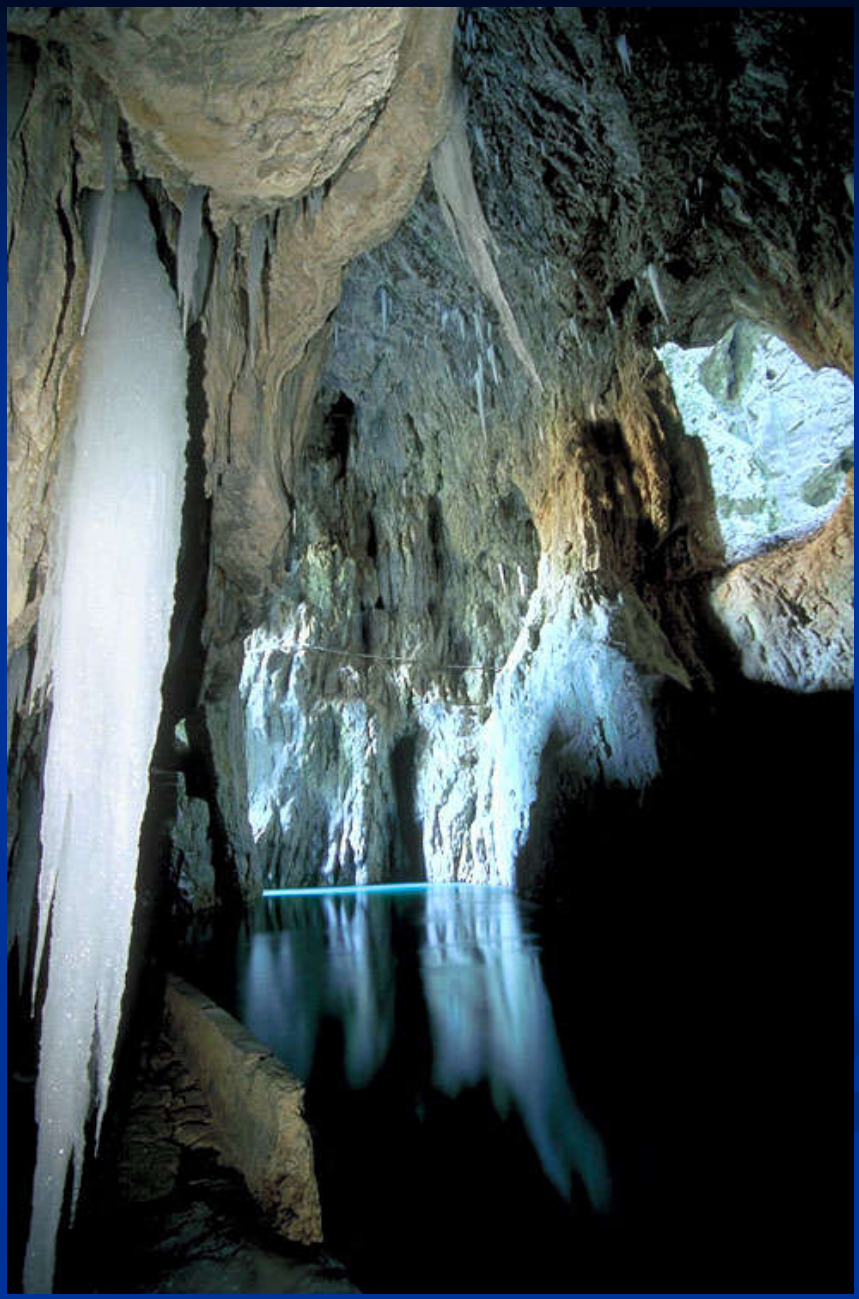
- An extraordinary subterranean canyon
- Fundamental research of the karst and karstic phenomena
- Important archeological sites
- Extraordinary ecosystem in collapse dolines

An extraordinary subterranean canyon

- 1,5 km long
- up to 146 m high
- up to 120 m wide
- in its initial part two more than 150 m deep collapse dolines – Velika in Mala dolina


Škocjanske jame
sifon
Hankejev kanal
Šumeča jama
ponor
Velika in Mala dolina
Dol Globočak
Tiha jama

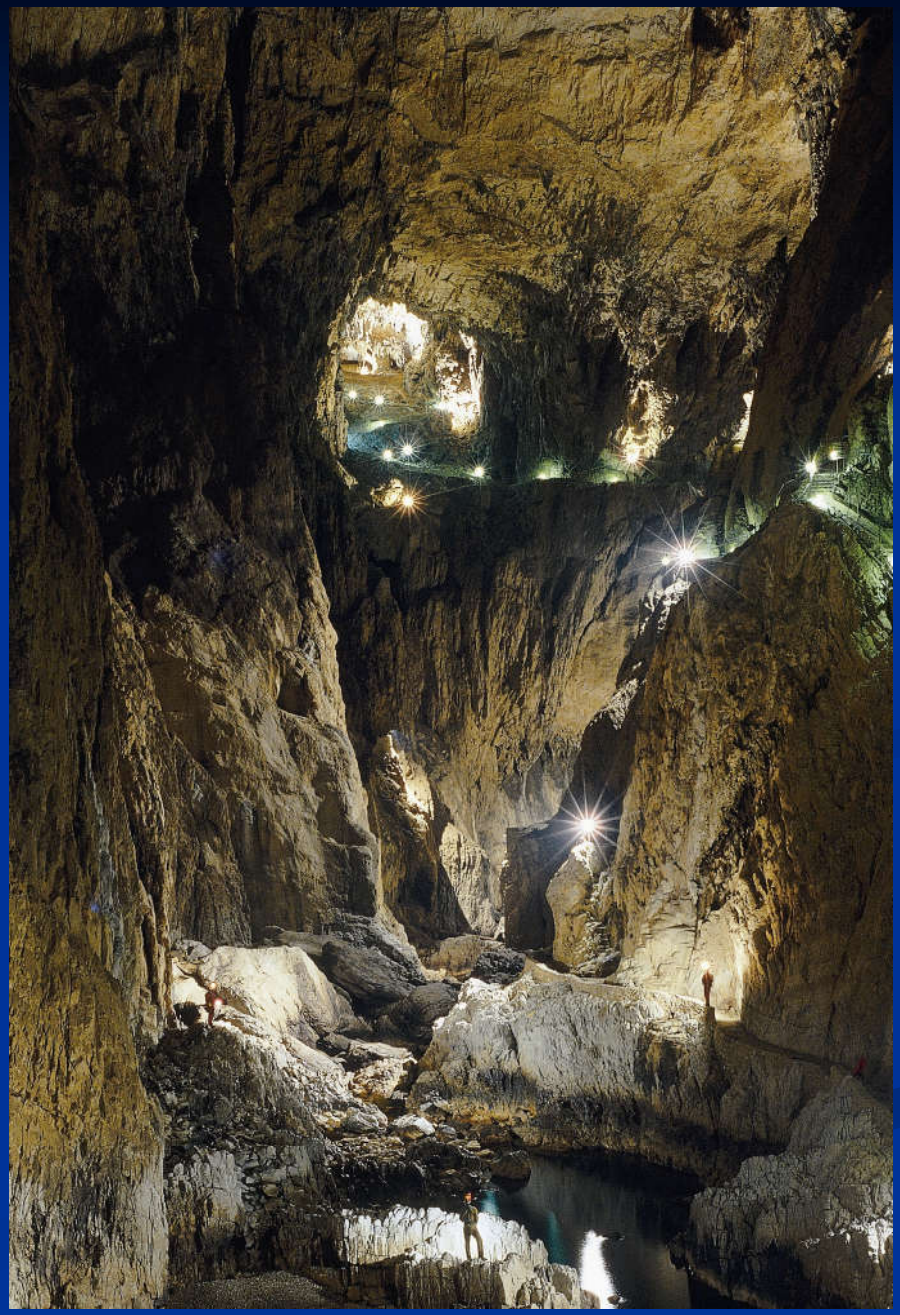

sifon
Šumeča
jama
Hankejev
kanal
ponor
Velika in Mala
dolina
Dol Globočak
Tiha jama



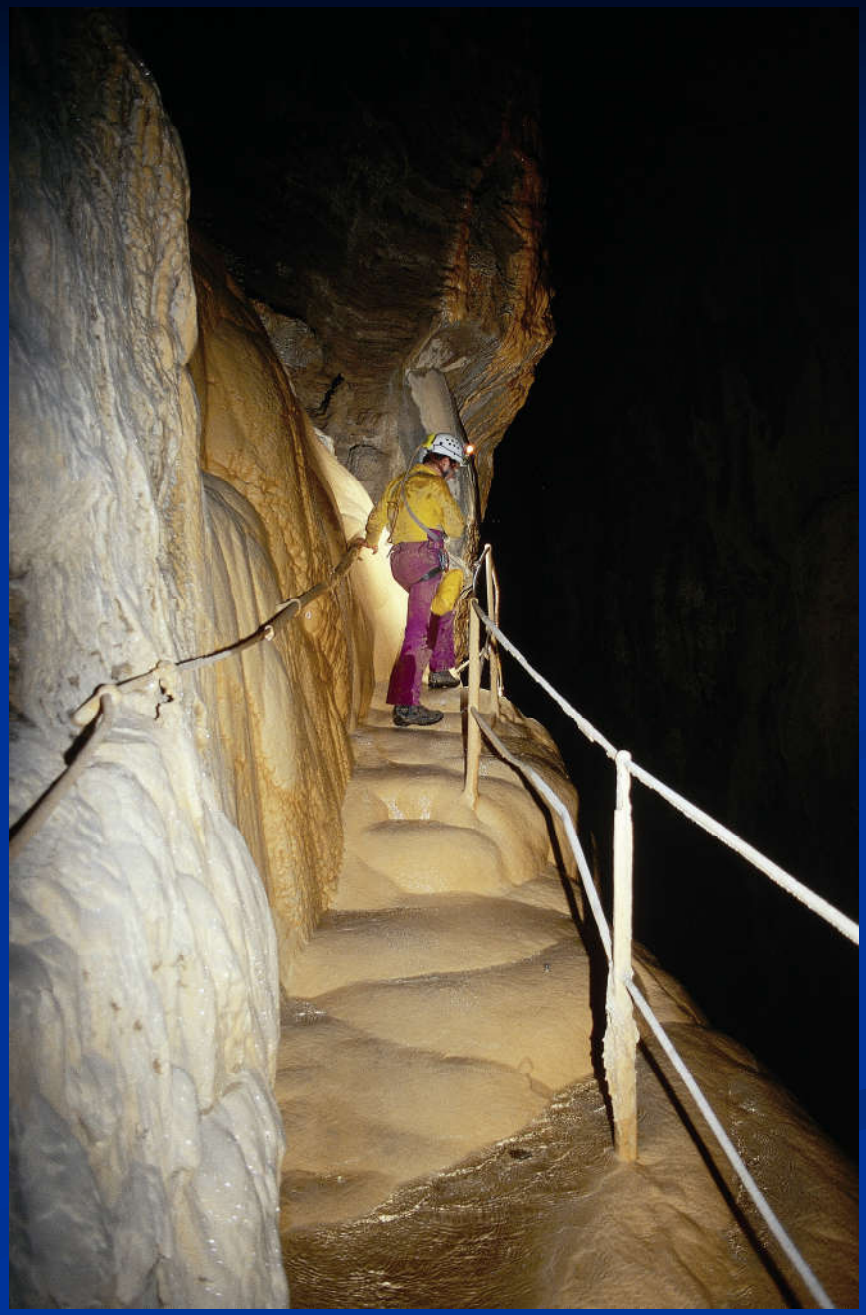

sifon
Šumeča
jama
Hankejev
kanal
ponor
Velika in Mala
dolina
Dol Globočak
Tiha jama


sifon
Šumeča
jama
Hankejev
kanal
ponor
Velika in Mala
dolina
Dol Globočak
Tiha jama


sifon
Šumeča jama
Hankejev kanal
ponor
Velika in Mala dolina
Dol Globočak
Tiha jama




sifon
Šumeča jama
Hankejev kanal
ponor
Velika in Mala dolina
Dol Globočak
Tiha jama




sifon
Šumeča jama
Hankejev kanal
ponor
Velika in Mala dolina
Dol Globočak
Tiha jama

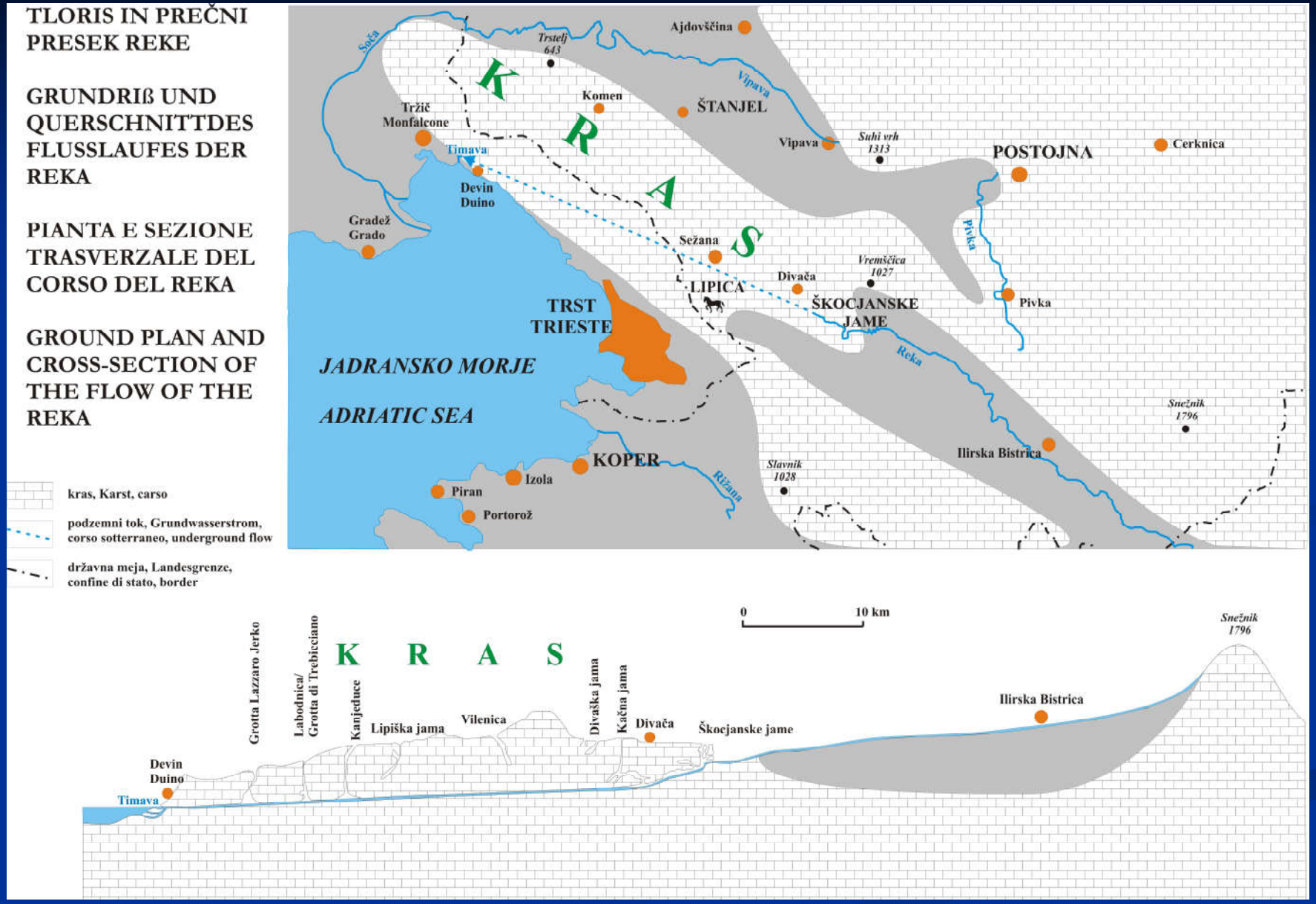

sifon
Šumeča jama
Hankejev kanal
Velika in Mala dolina
ponor
Dol Globočak
Tiha jama

TLORIS IN PREČNI PRESEK REKE

GRUNDRIß UND QUERSCHNITTDES FLUSSLAUFES DER REKA

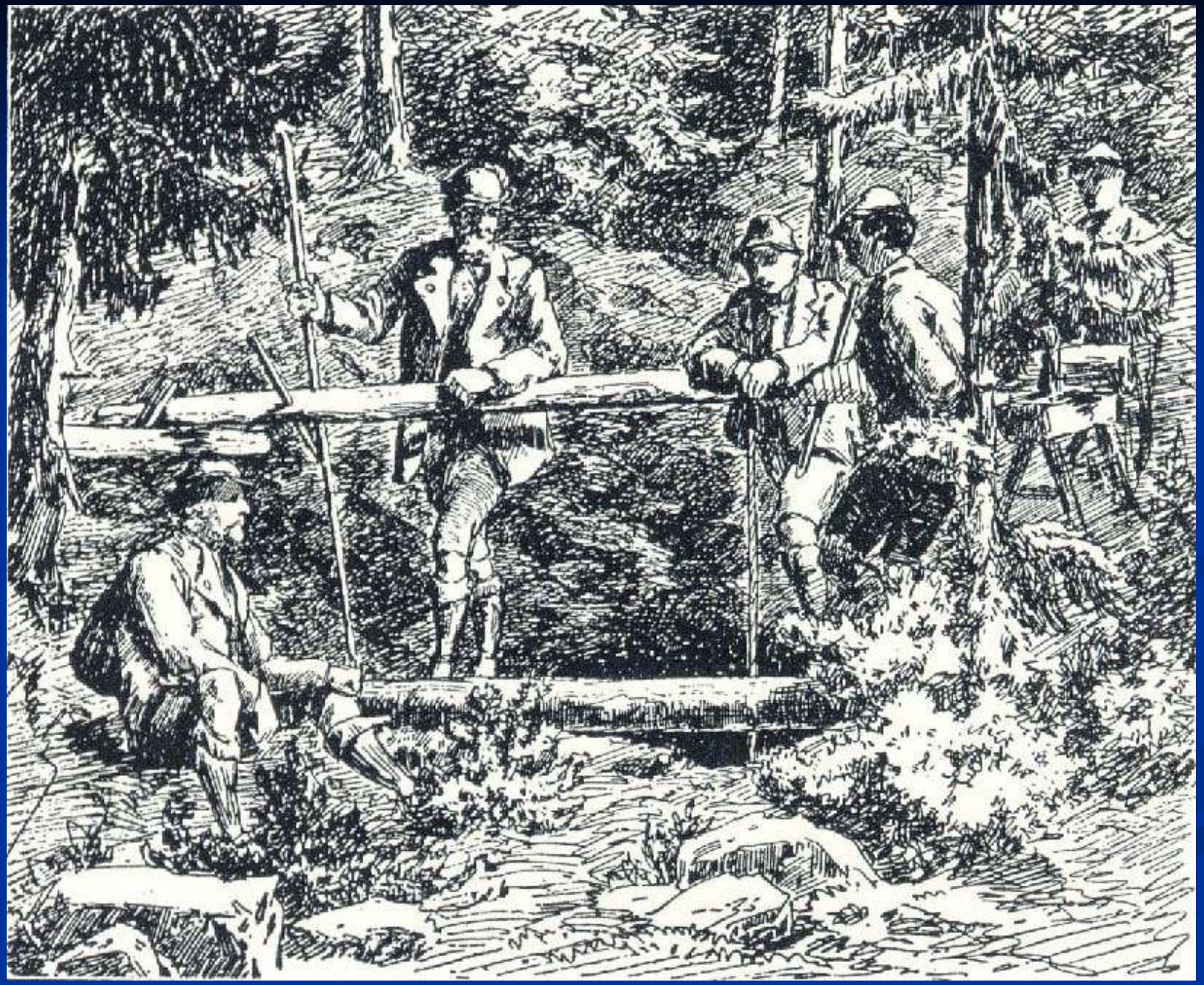
PIANTA E SEZIONE TRASVERZALE DEL CORSO DEL REKA

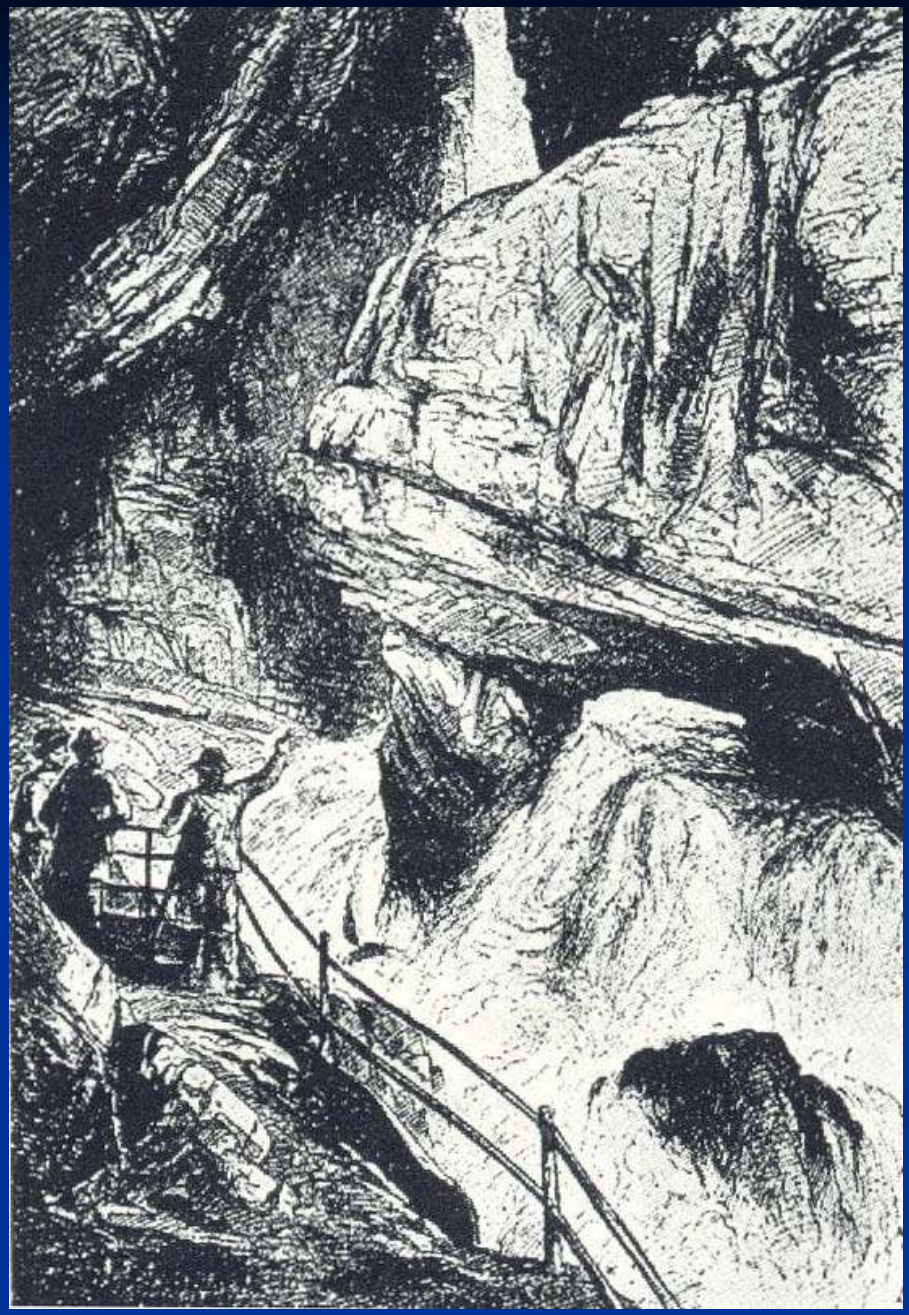
GROUND PLAN AND CROSS-SECTION OF THE FLOW OF THE REKA

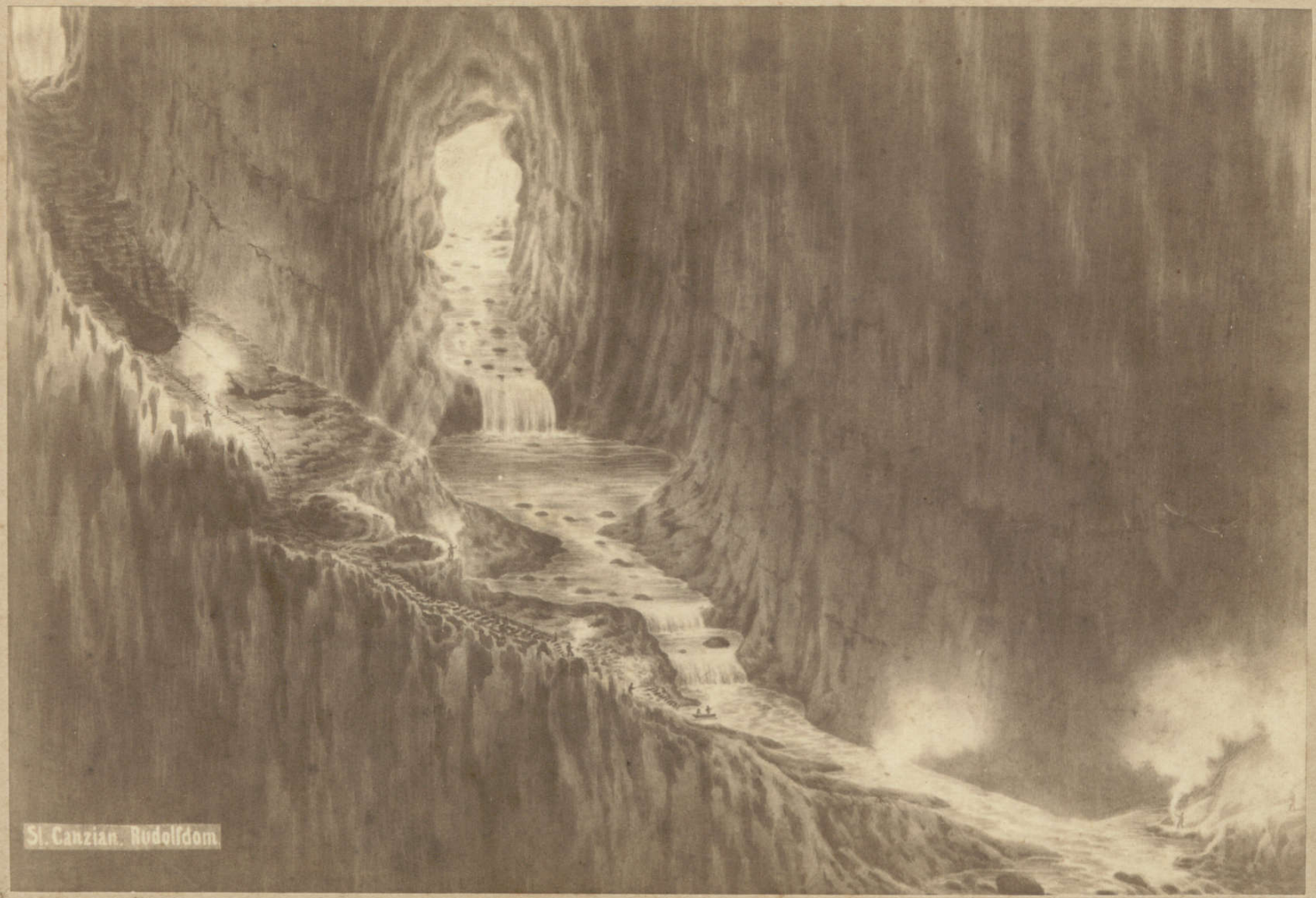


Fundamental research of the karst and karstic phenomena

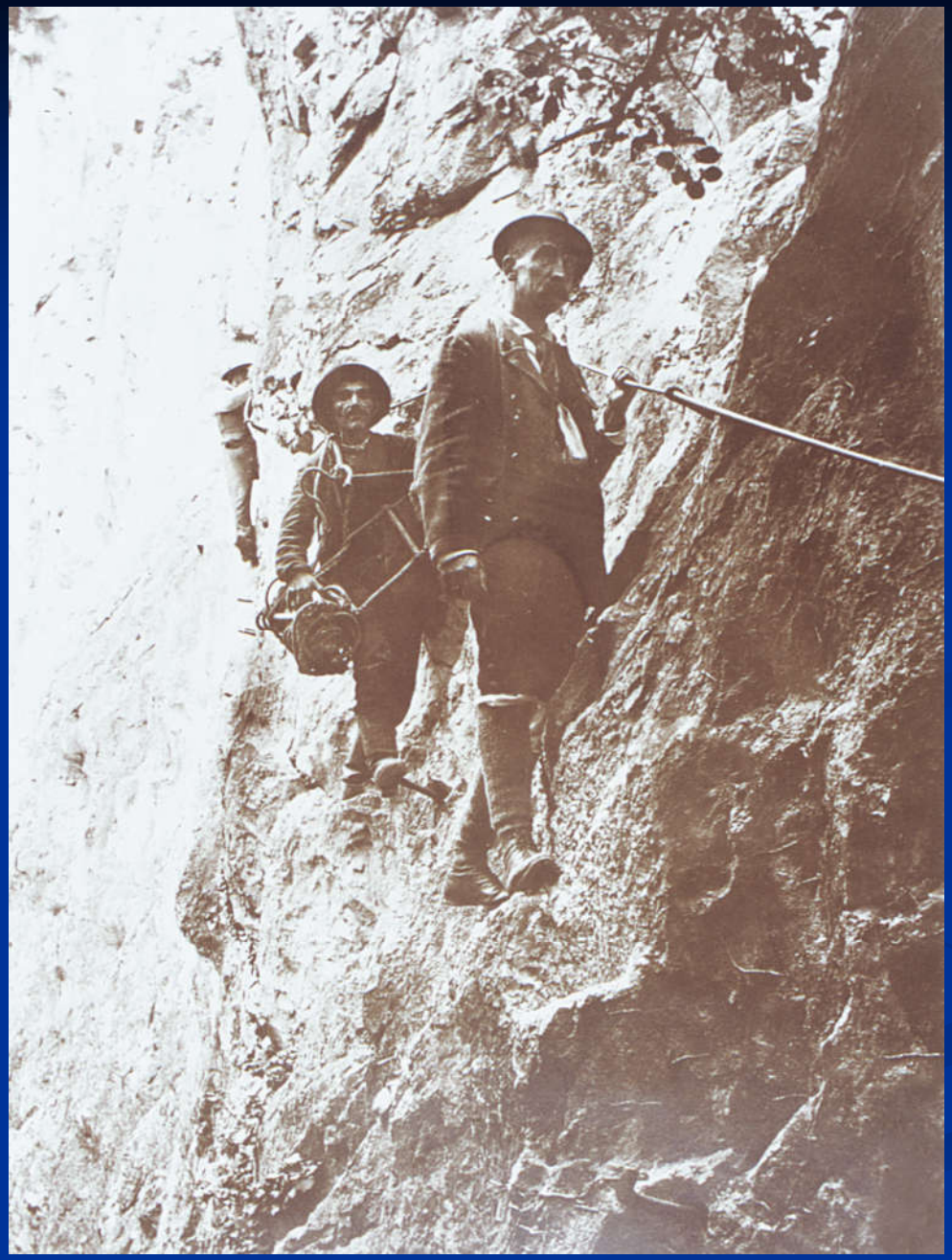
- Posidonius of Apamea (135 – 50 B. C.)
- F. Imperato (1599)
- J. V. Valvasor (1689)
- Ivan Svetina (1839)
- Adolf Schmidl (1851, 1852)
- DÖAV – A. Hanke, F. Müller, J. Marinitsch (1884 – 1890)
- Italian research (after 1. W. W.)





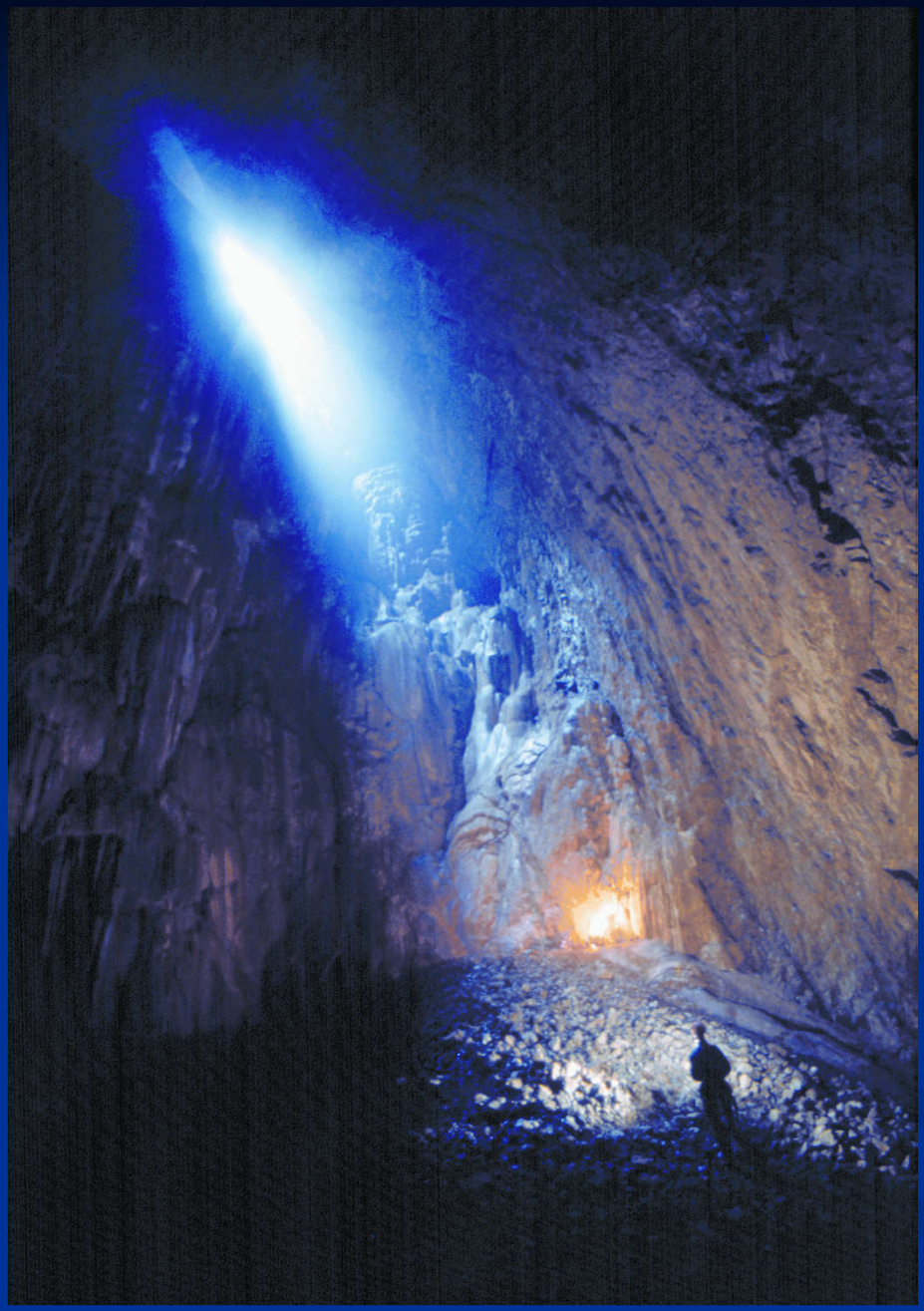


Sebastianutti & Benque Trieste. Piazza della Borsa 10.

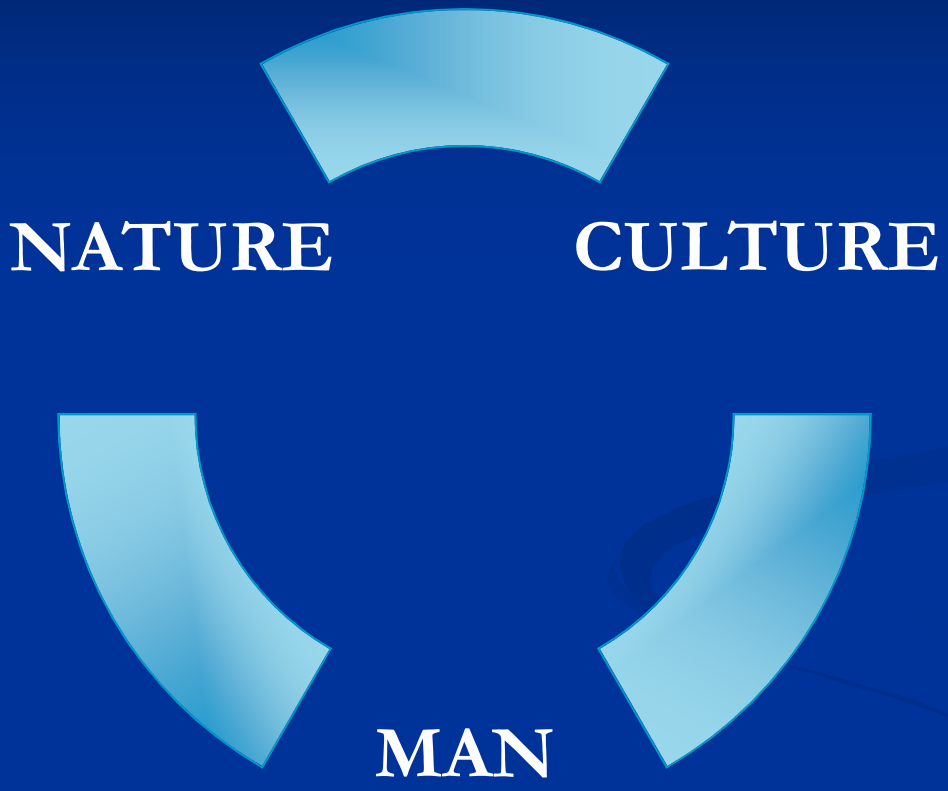


Important archeological sites

- Continuous settlement from Mesolithic, Neolithic, Eneolithic, Bronze Age,
- Sites in shafts
- Cave posts
- Fortified settlements
- Burial grounds




2002


NATURE
CULTURE
MAN

NATURE

- CAVES – tourists
- CAVES – not open for the public
- VEGETATION OF ROCKY CLIFFS
- KARST DRY MEADOWS

Flora

COLLAPSE DOLINES -

HABITAT OF ALPINE SPECIES:

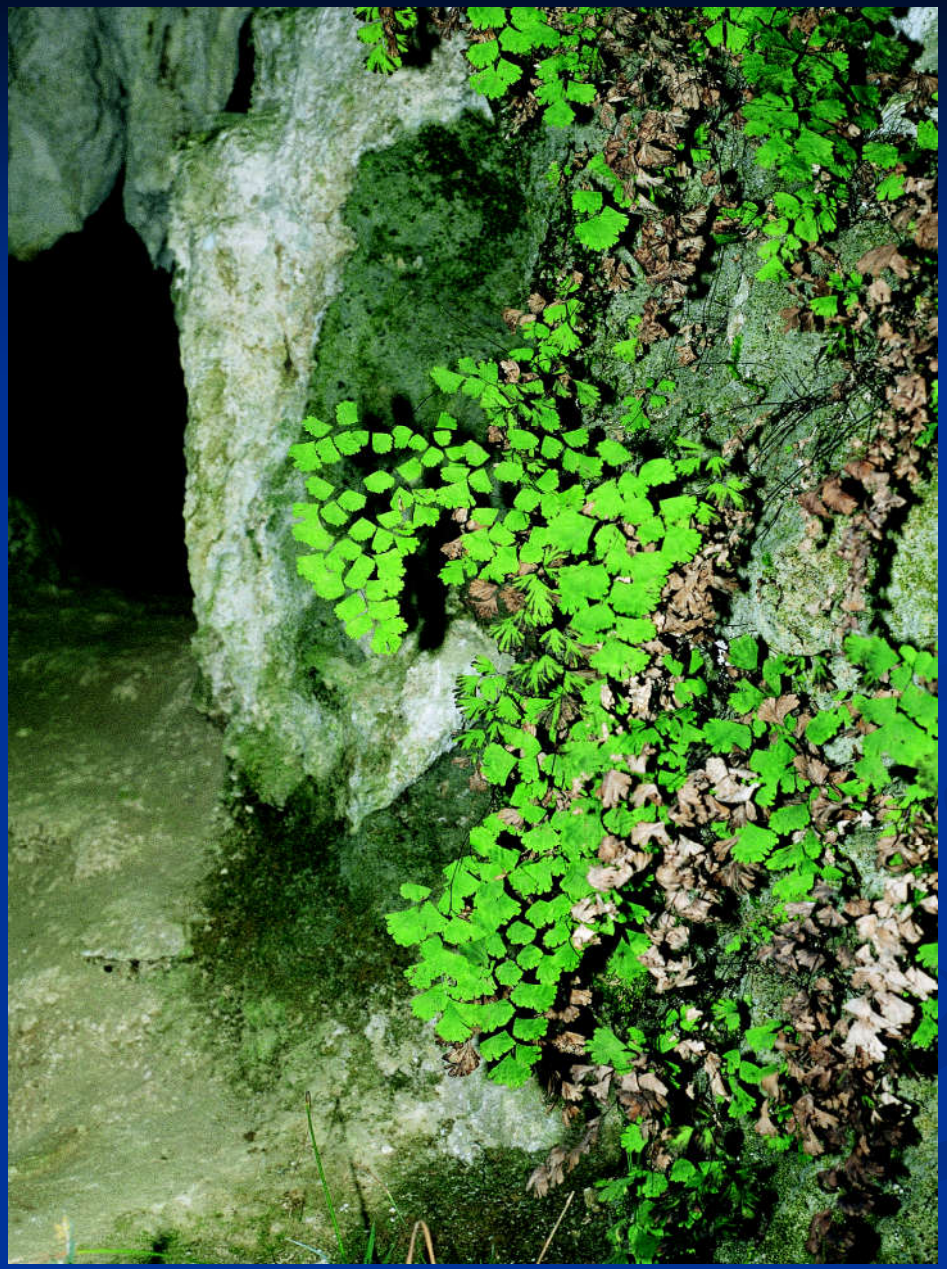
- Kernera (*Kernera Saxatilis)*
- Yellow wood violet *(Viola biflora)*
- Alpine auricula *(Primula auricula)*
- Crusted saxifrage *(Saxifraga crustata)*

Flora

COLLAPSE DOLINES –

HABITAT OF MEDITERRANEAN SPECIES

- Maidenhair fern (*Adianthum capillus-veneris*)
- Wild asparagus (*Asparagus acutifolius*)
- Prickly juniper (*Juniperus oxycedrus*)
- Moss – *Tortella flavovirens*



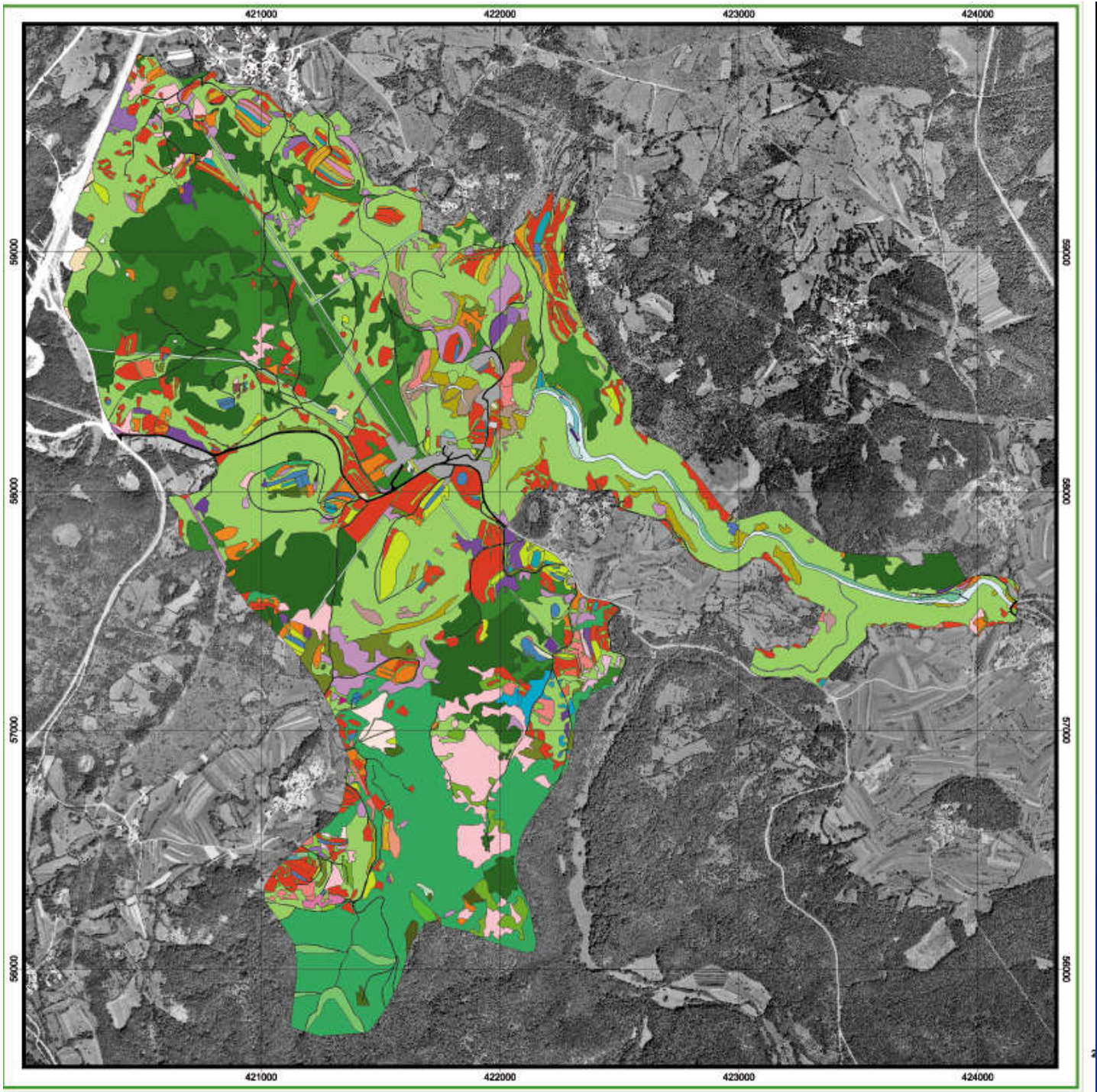
Fauna

CAVES

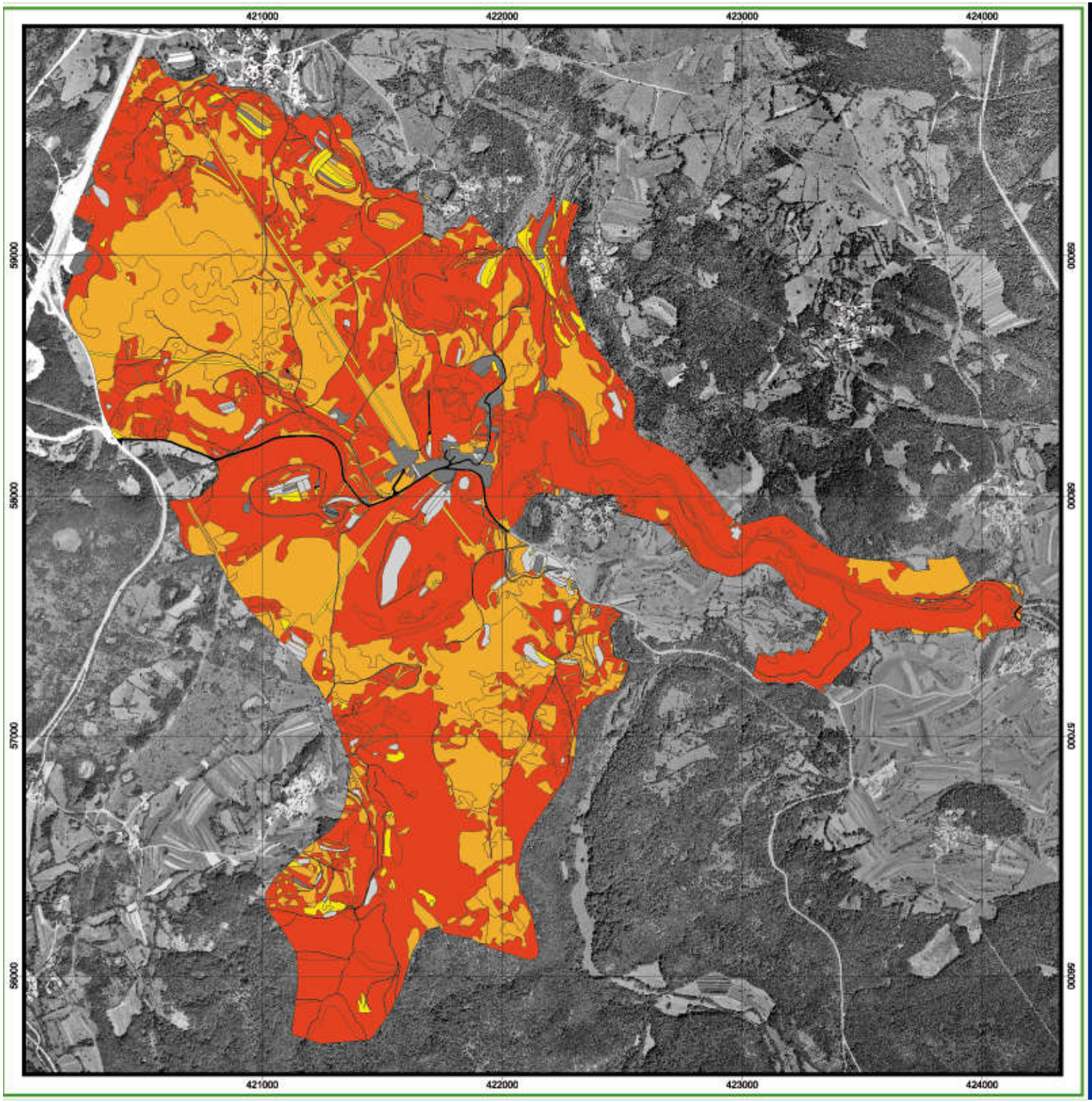
- Cave salamander *(Proteus anguinus)*
- Schreiber's long-fingered bat *(Miniopterus schreibersii)*
- Long-leged *(Myotis capacinii)*
- Greater horshoe bat *(Rhinolophus ferrumequinum)*

COLLAPSE DOLINES

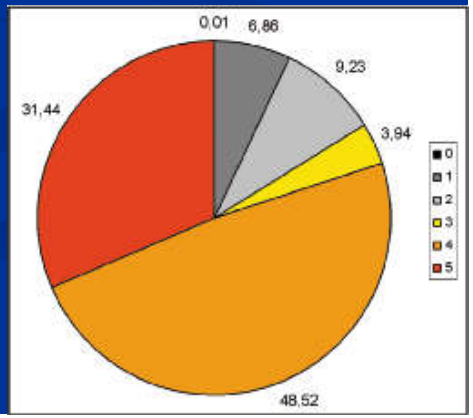
- Alpine swift *(Tacymarptis melba)*
- Rock doves *(Columba livia)*
- Common raven *(Corvus corax)*
- Peregrine falcon *(Falco peregrinus)*



CENTER ZA
KARTOGRAFIJO
FAVNE IN FLORE



CENTER ZA KARTOGRAFIJO FAVNE IN FLORE



Future for Nature

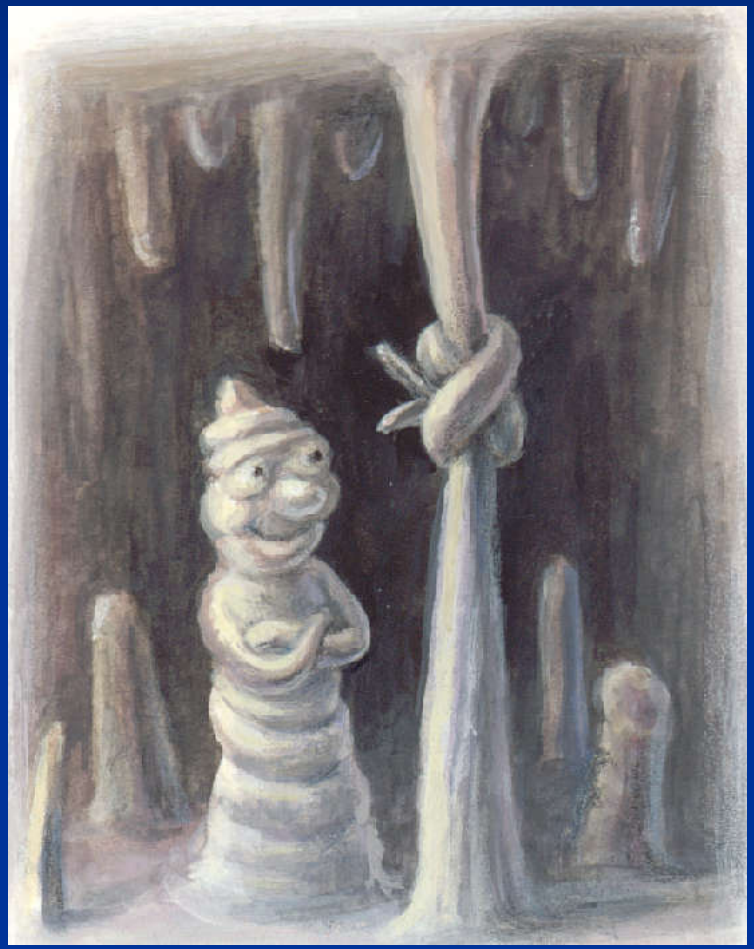
- Evaluation of habitats
- Monitoring of species – caves and surface
- Monitoring of caves microclimate
- Monitoring of water
- Research studies (microbiology)

MAN

- LOCAL PEOPLE
- PUBLIC AWARNESS
- SOCIAL MONITORING
- EDUCATION


MREŽA ŠOL
PARKA

Future for Man



- Positive attitude towards natural and cultural heritage
- Quality of life
- Sustainable development

CULTURE

- IDENTITY
- GLOBAL CHANGES AND CHALLENGES
- HERITAGE


MOKRIŠČA
OŠ PODGORA,
Kuteževo

Future for Culture

- Schools network
- Regional developement
- Internarional programmes for research, development, conservation and protection

Man and Biosphere

KARST

BIOSPHERE RESERVE

BIOSPHERE RESERVE ZONATION MAP
1 : 450.000
Core area
Buffer zone
Transitional area
1986
1999
0 5 10 km
Škocjan, 2003
VIDEM
UDINE
Palmanova
ITALIJA
ITALY
GORICA
GORIZIA
NOVA GORICA
Sabotin
609
Čaven
1185
Trstelj
643
Kostanjevica
Komen
Brestovica
Tržič
Monfalcone
Devin
Duino
Nabrežina
Aurisina
Gradež
Grado
Prosek
Prosecco
Opčine
Villa Opicina
TRST
TRIESTE
TRŽAŠKI ZALIV
BAY OF TRIEST
SLO
Dutovlje
Sežana
Lipica
Križ
Štanjel
KRAS
Ajdovščina
Vipava
Suhi vrh
1313
Štorje
Senožeče
Divača
Škocjanske jame
Lokev
Hrpelje-Kozina
BRKINI
SNEŽNIK
Snežnik
1796
Ilirska Bistrica
Pivka
Postojna
Cerknica
Logatec
Vrhnika
Idrija
LJUBLJANA
Črni vrh
1029
Krim
1107
SLOVENIJA
SLOVENIA
Koper
Izola
Piran
Portorož
Sečoveljske soline
Buje
Slavnik
1028
JADRANSKO MORJE
ADRIATIC SEA
HRVAŠKA
CROATIA
Učka
1394
Risnjak
1528
KVARNERSKI
ZALIV
RIJEKA
Soča
Nadiža
Idrijca
Sora
Gradaščica
Ljubljanica
Iška
Vipava
Raša
Unica
Pivka
Reka
Rižana
Dragonja
Mirna
Timava
Obrh
Rječina

Karst Biosphere Reserve

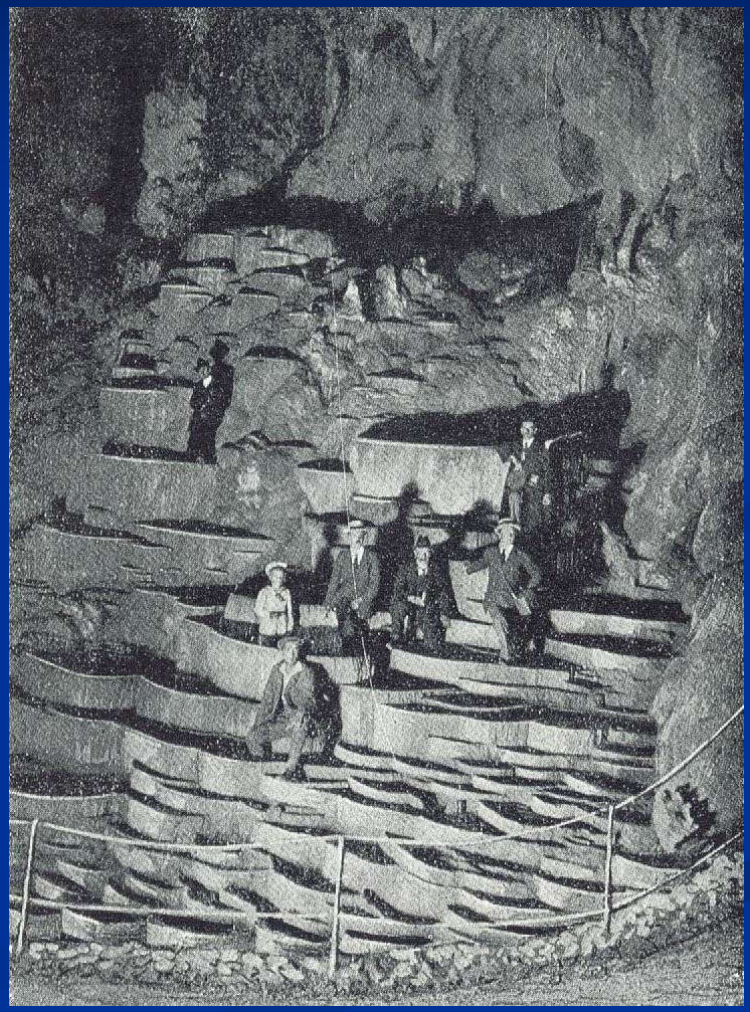
- **Ramsar and MAB joint programme of work**
- **Monitoring – BRIM**

Pilot model for the region,

Education centre,

School-network,

Biotic and abiotic research programmes,




PRESERVING AND CREATING
NATURAL AND CULTURAL
HERITAGE