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ARAGONIT 15/2

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Správa slovenských jaskýň

15/2

Integrated Cave Environmental Monitoring System (ICEMS)

Data Logger AMS111

- small size and compact design – water tight
- low consumption
- easy data access, real time data
- data backup on high capacity SD card
- communication via GSM/GPRS, WiFi, RS485, ...

Unified Data Collection System (UDCS)

- collects data from data logger network
- on the fly connection
- saves data to central database

Climatological Database (CLDB)

- data management and processing
- reports, statistics
- data presentation – web, intranet

Modes of Operation:

- Climatic mode – 10/60 minutes measurement interval
- Micro mode – 10/60 seconds measurement interval
- Measurement of climatic conditions outside the cave
- Meteorological stations near cave entrance
- Effective lightning protection
- Lightning and mini weather radar are ready to connect to ICEMS

Installed Cave Systems:

Slovakia

- Domica Cave
- Gombasecka Cave
- Dobsinska Ice Cave
- Demanovska Cave of Liberty
- Demanovska Ice Cave

5 permanent cave systems and 6 mobile systems
– more than 200 sensors and cca 50 data loggers

Czech Republic

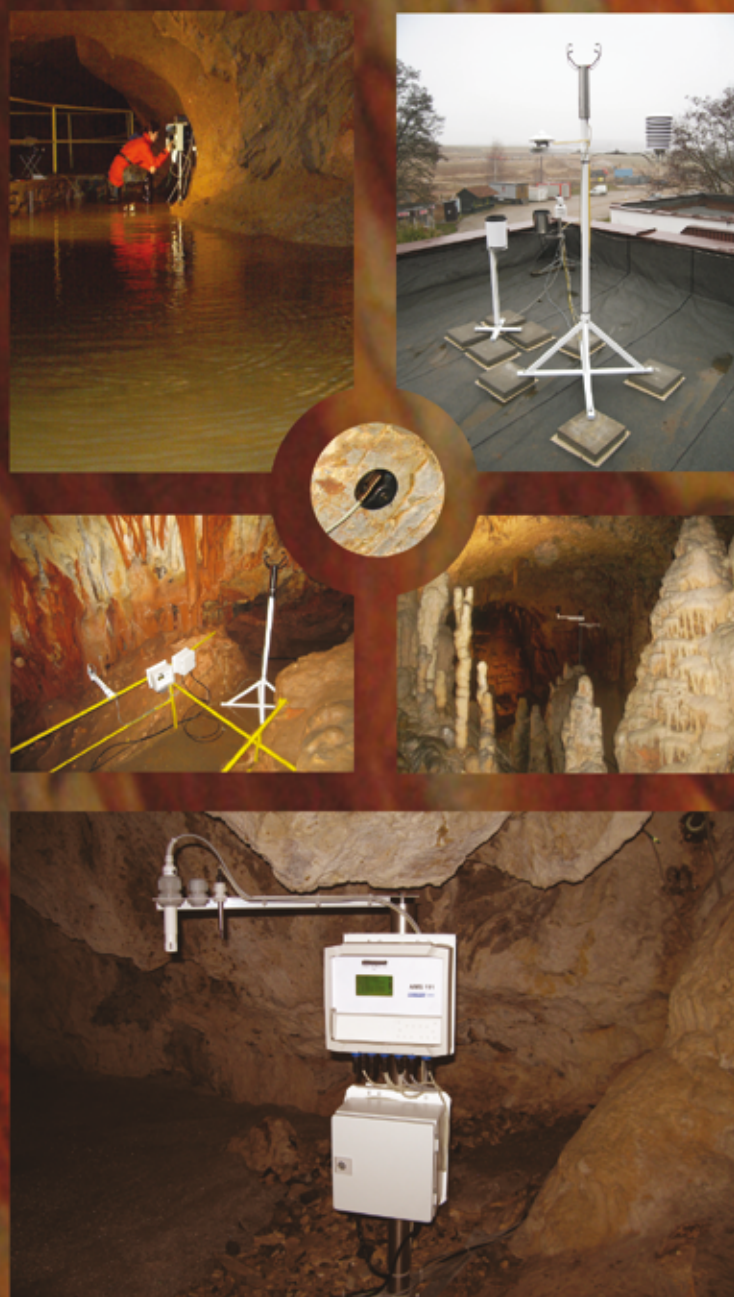
- Katerinska Cave

Permanent cave system and mobile cave system
– more than 70 sensors and 10 data loggers

Slovenia

- Postojna Cave

Permanent cave system
– 10 sensors and 2 data loggers



Meracia a analytická technika pre laboratória a do terénu:

rozpustený kyslík - BSK₅ - pH - redox - konduktivita - ISE - chlór Cl₂/ClO₂ fotometria - zákal - titrátory -
dávkovanie- elektronické záznamníky pH/ cond/ teplota



WTW, s.r.o., ul. ČSA 25, SK-974 00 Banská Bystrica - E-mail: info@wtw.sk - Internet: <http://www.wtw.sk> - E-shop: <http://eshop.wtw.sk>

WTW, s.r.o., Dopraváků 749/3, CZ-184 00 Praha 8 - Dolní Chabry - E-mail: info@wtwcz.com - Internet: <http://www.wtwcz.com> - E-shop: <http://eshop.wtwcz.com>



HES-COMGEO spol. s r. o.

Kostiviarska cesta 4, 974 01 Banská Bystrica
tel.: (+421)-48-428 51 53, fax: (+421)-48-428 51 54
e-mail: hes-comgeo@hes-comgeo.sk



**HYDROGEOLOGICKÝ
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**GEOLOGICKÝ PRIESKUM
ŽIVOTNÉHO PROSTREDIA**

**SANÁCIE
ENVIRONMENTÁLNYCH ZÁŤAŽÍ**

**POSUDZOVANIE VPLYVOV
STAVIEB A ČINNOSTÍ
NA ŽIVOTNÉ PROSTREDIE**

