

Nagy felbontóképeségű, bányászati célú, felszín alatti műográfiai mérések é

Balázs László
Surányi Gergely
Hamar Gergő
Varga Dezső
Rábóczy Bence

Wigner FK /NFO

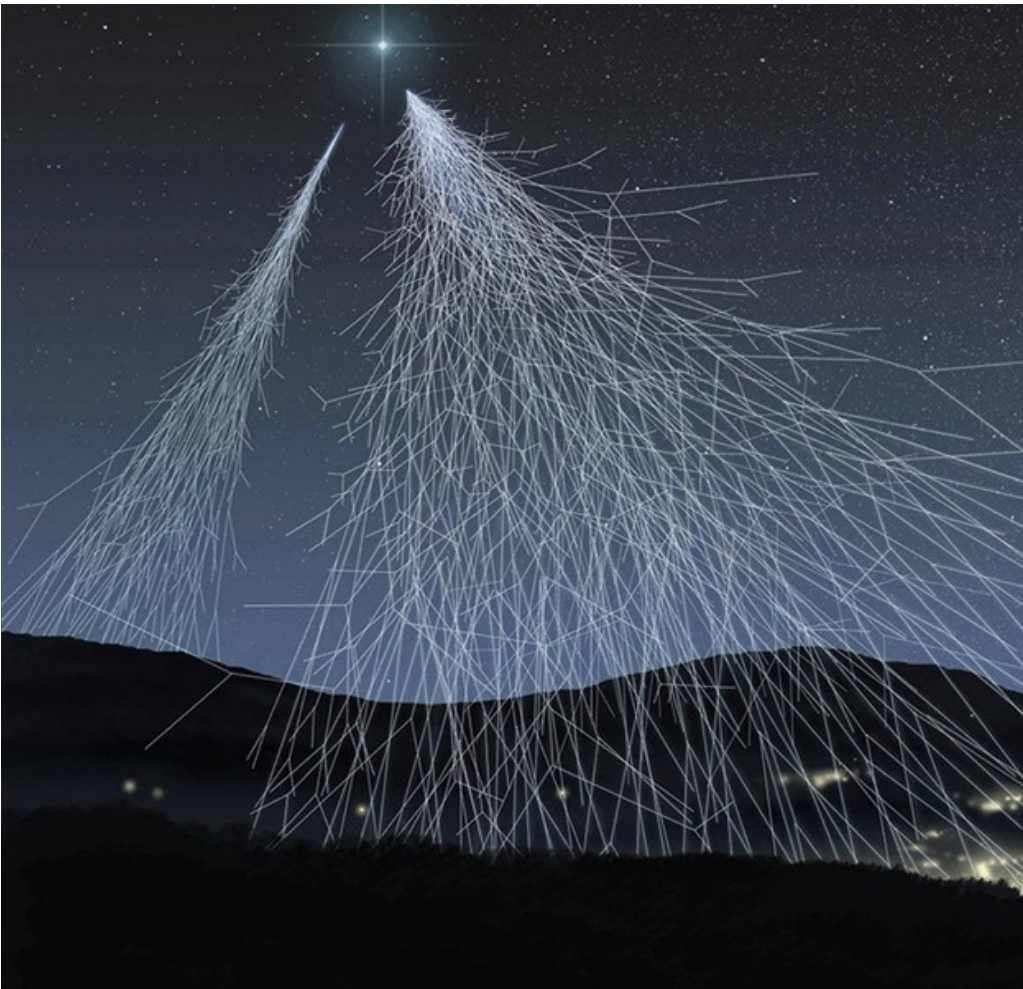
**Földtani és Geofizikai
Vándorgyűlés 2025**

2025.09.18

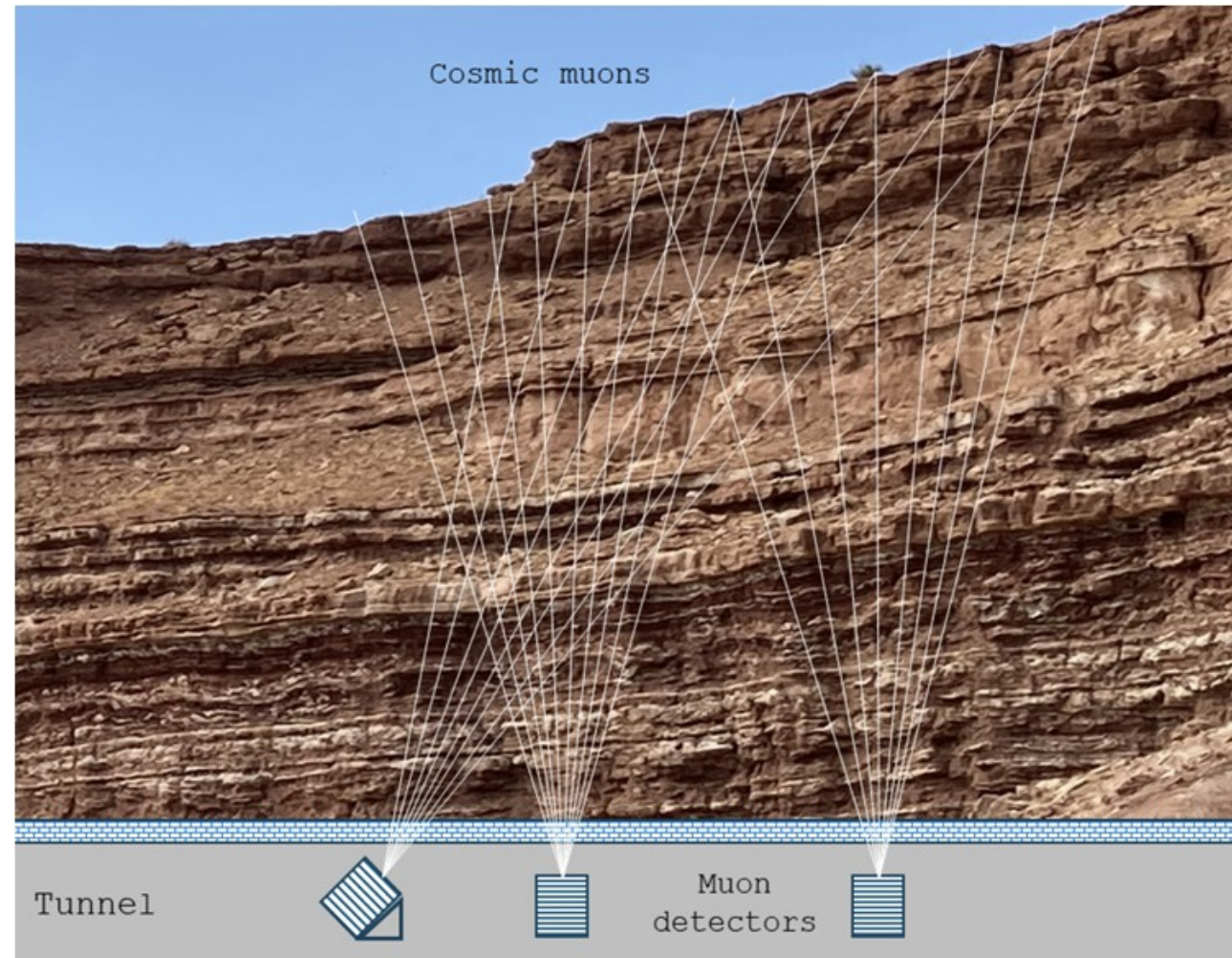


HIGH-ENERGY GEOPHYSICS RESEARCH GROUP
<https://wigner.hu/s/high-energy-geophysics/>
INNOVATIVE GASEOUS DETECTOR DEVELOPMENT GROUP

Müográfia - Müontomográfia



Forrás: Kevéssé fluktuáló müöntér,
ismert szögeloszlással és energia
spektrummal



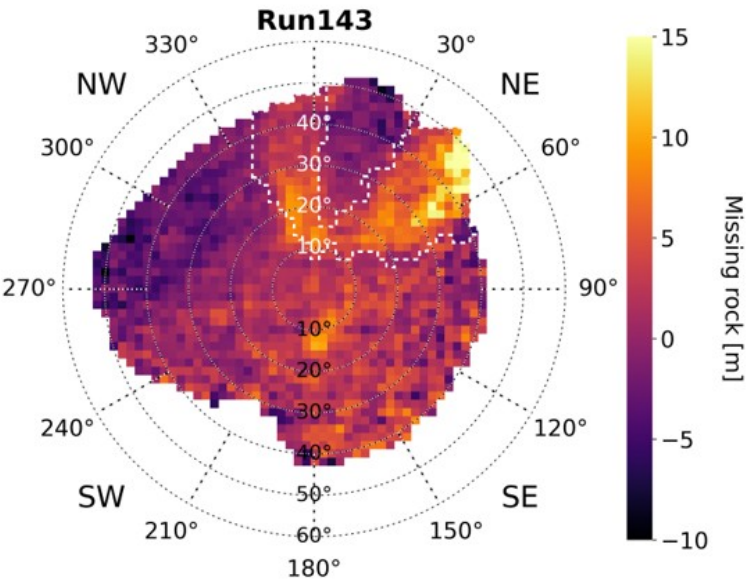
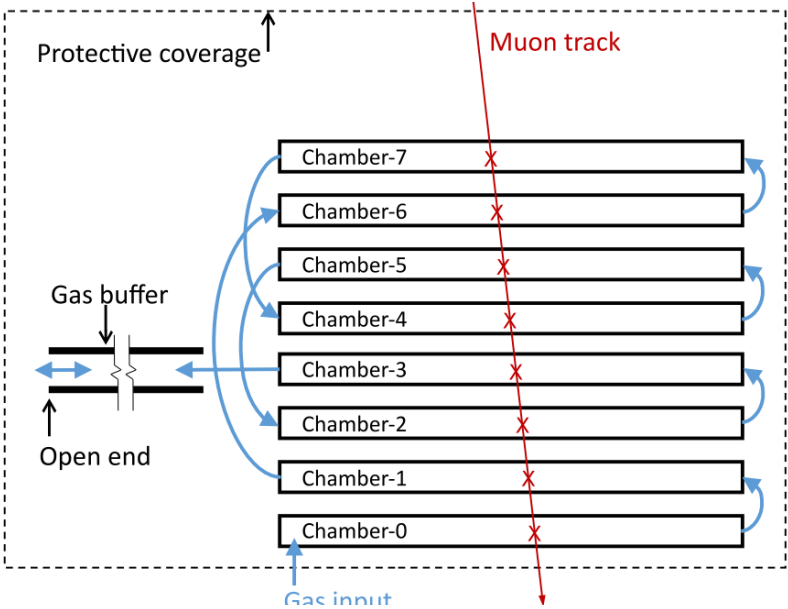
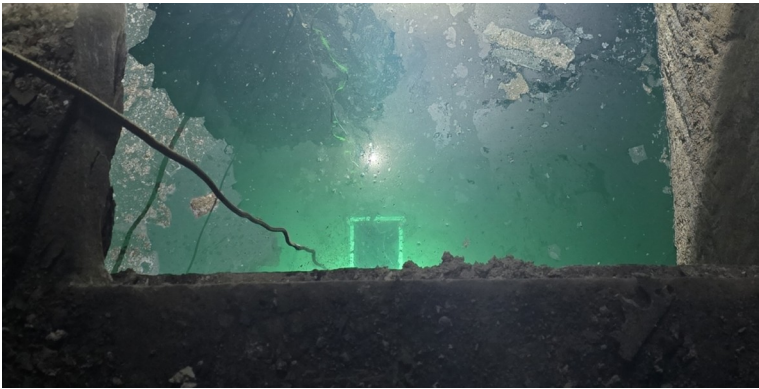
Nagy áthatolóképesség – Egyenes trajektória
!!
Sűrűségtől függő fluxus gyengülés

Terepi műográfok

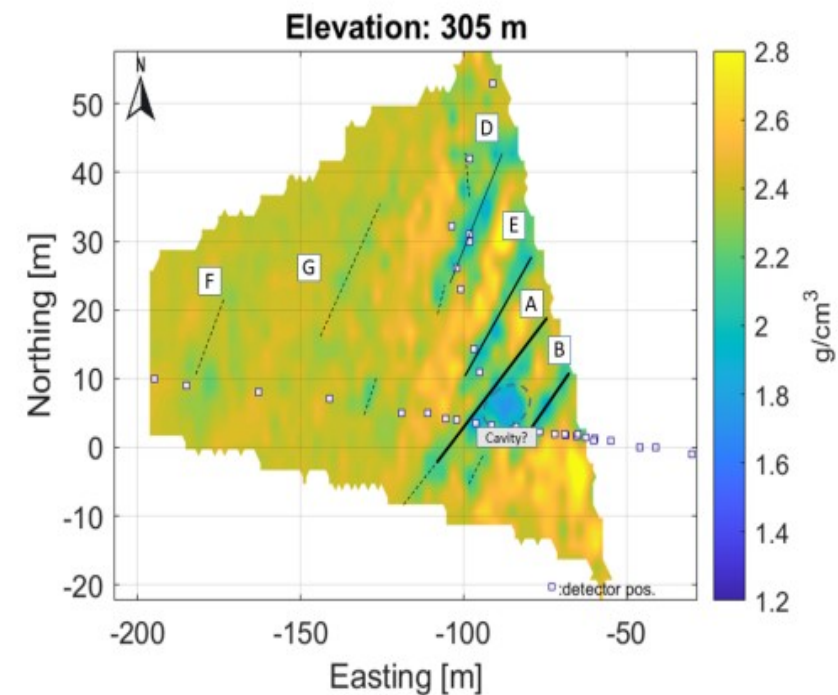
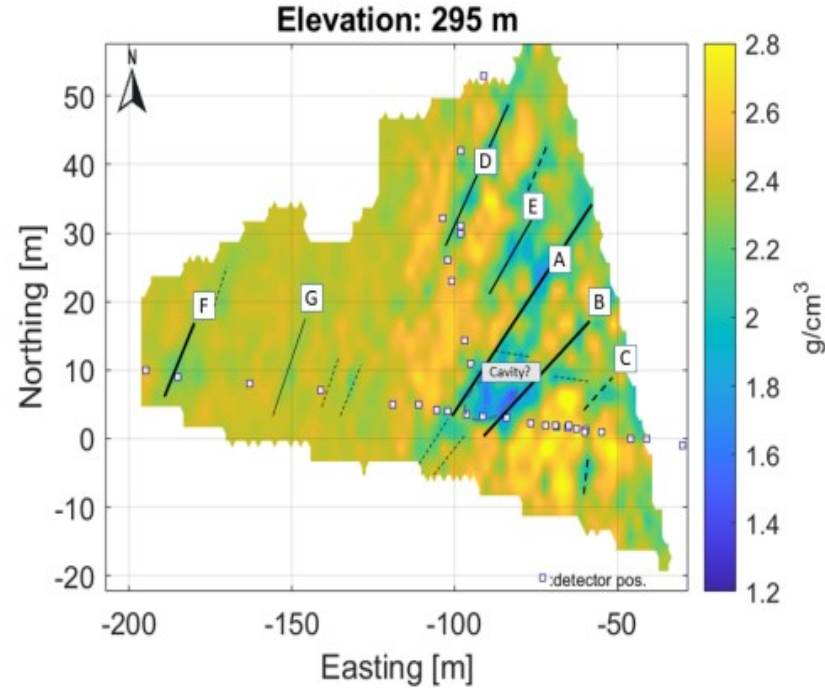
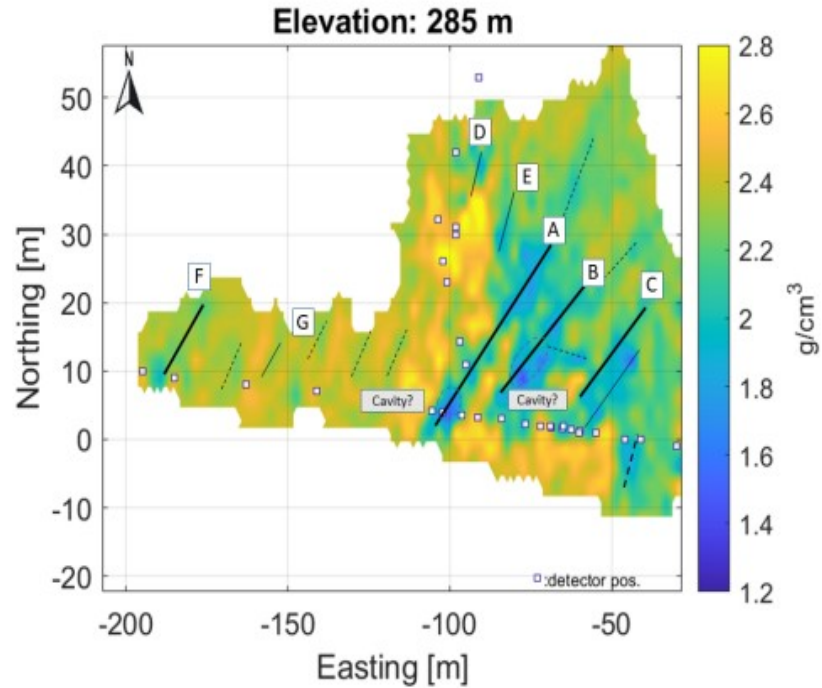
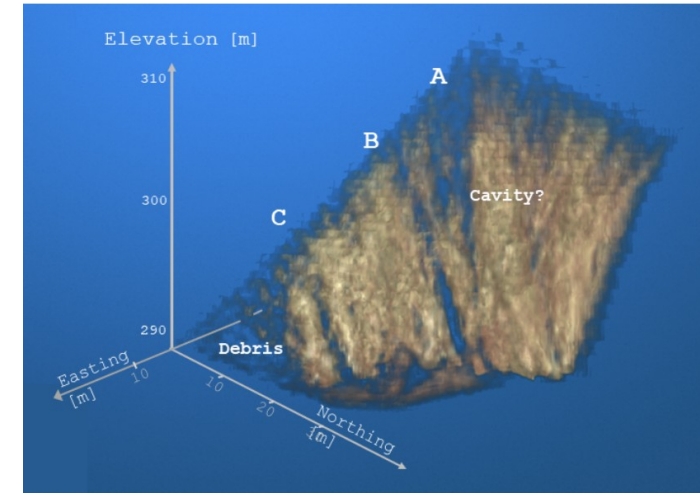
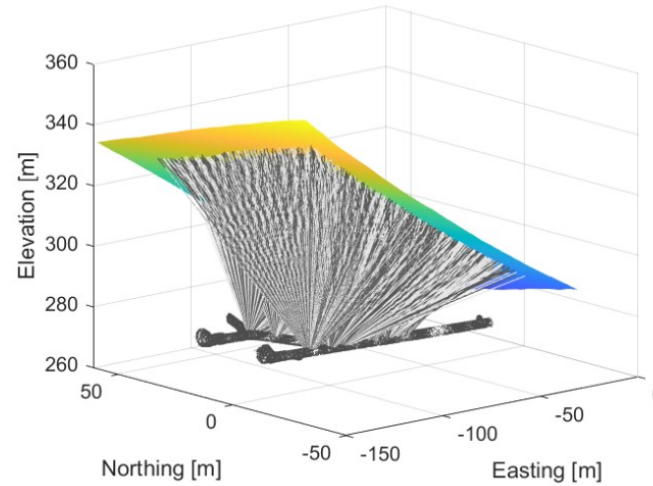
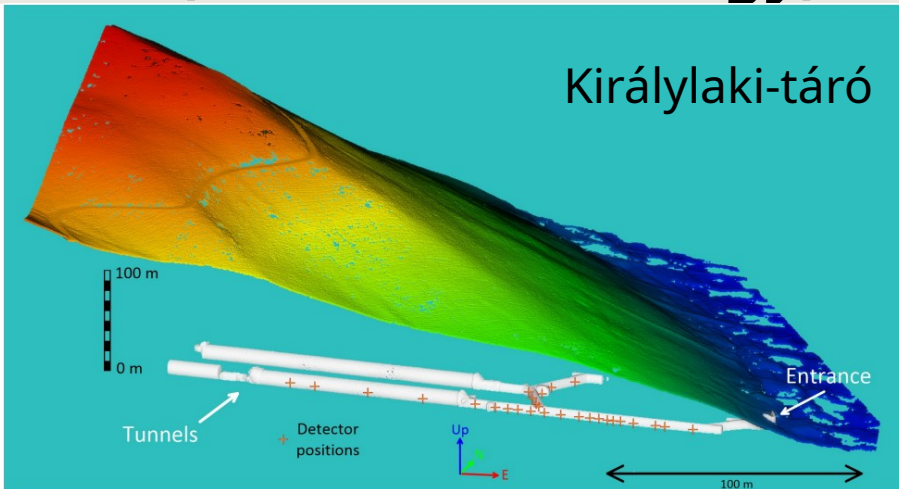
Rézbánya - Bulgária



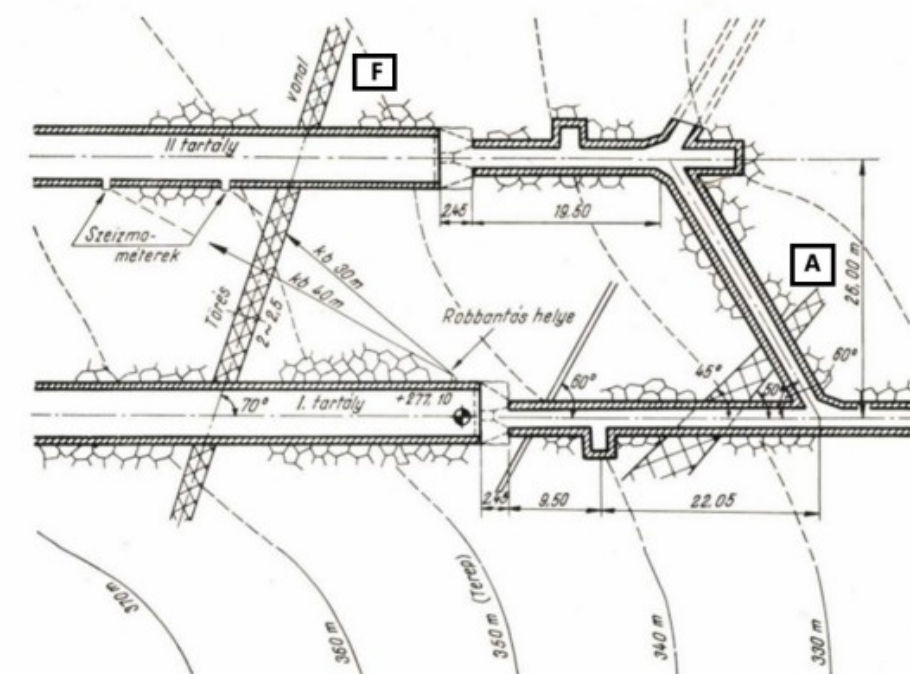
Bauxitbánya Jajce.



Vetők, üregek kimutatása (Hármashatár-hegy)

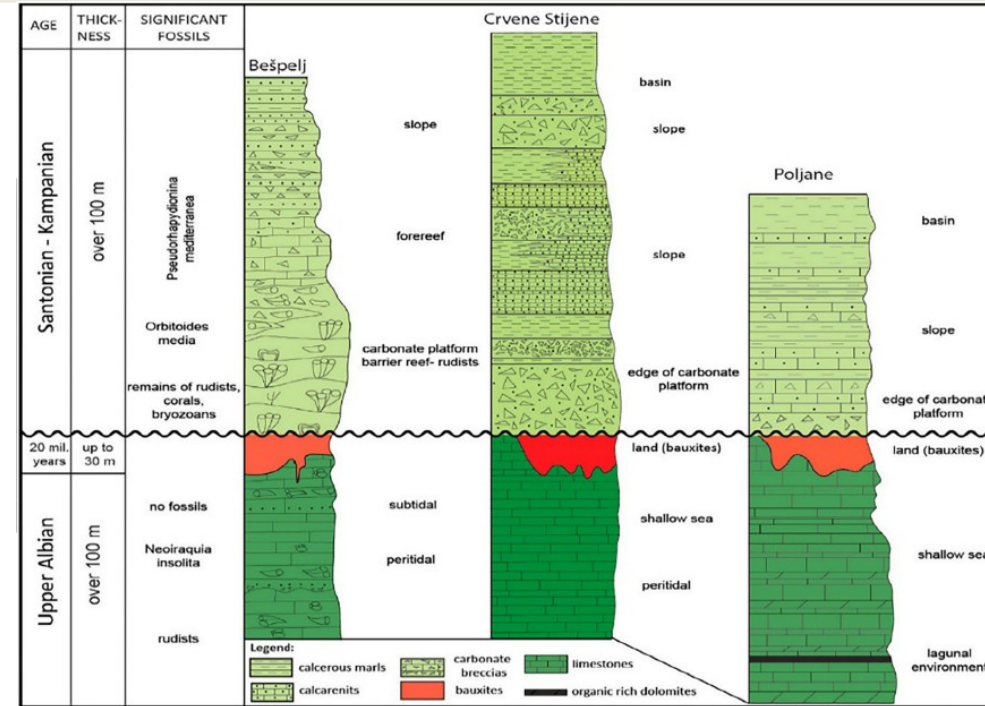
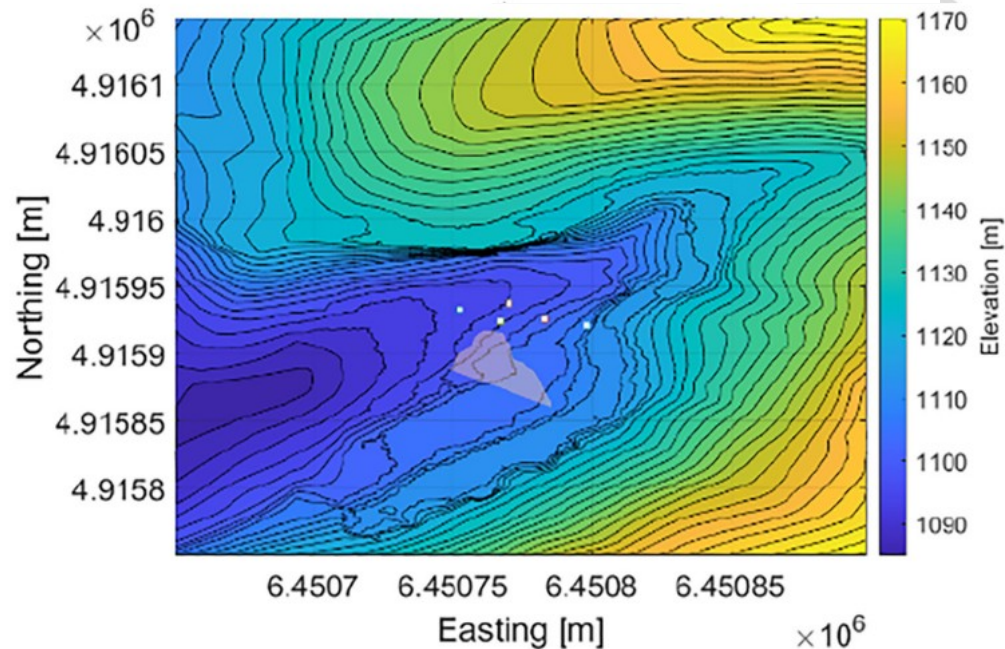
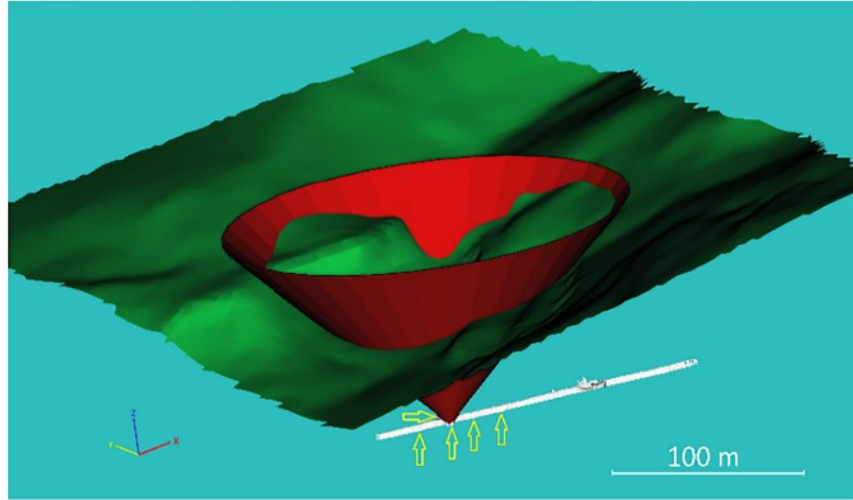


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2. ábra. Alaprajzi elrendezés

Horizon Europe - AGEMERA (CRM) projekt

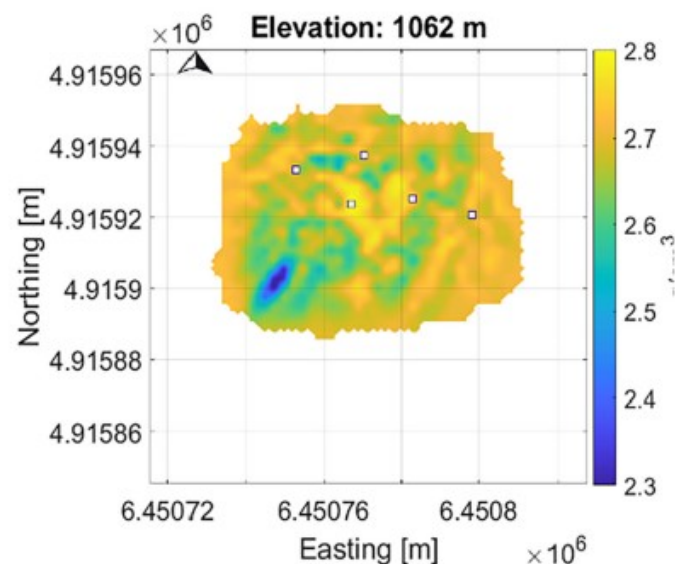


Bosznia
Jajce-
Poljane
Bauxitbánya
,Pilot site'

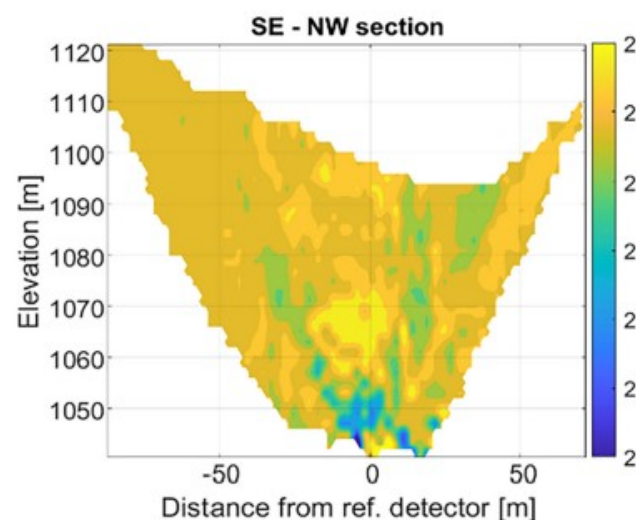


Horizon Europe - AGEMERA (CRM) projekt

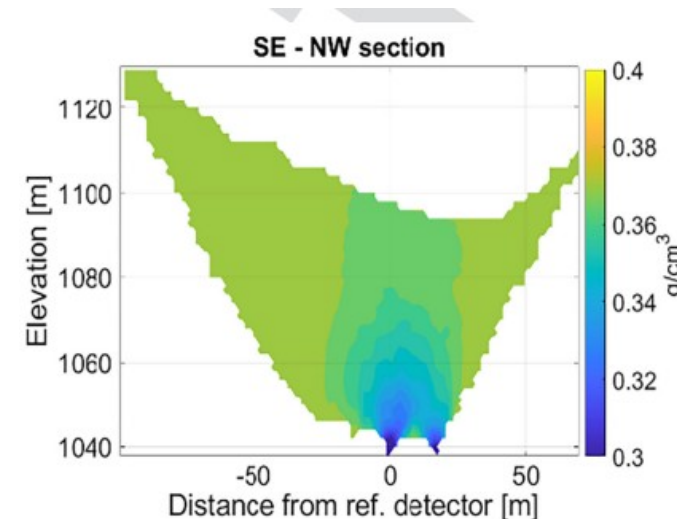
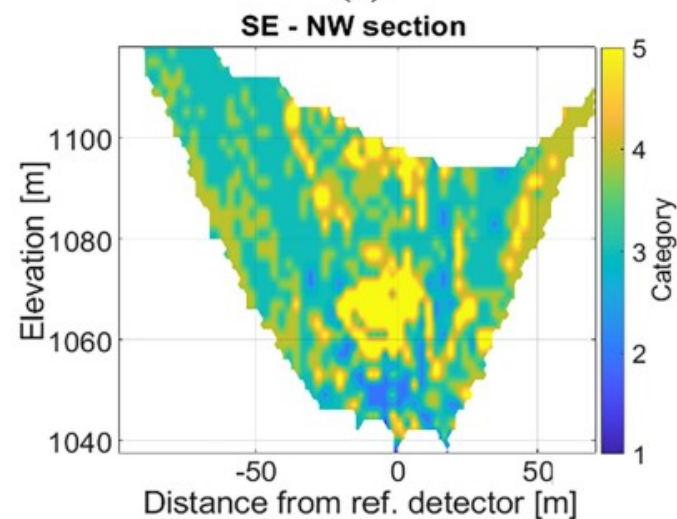
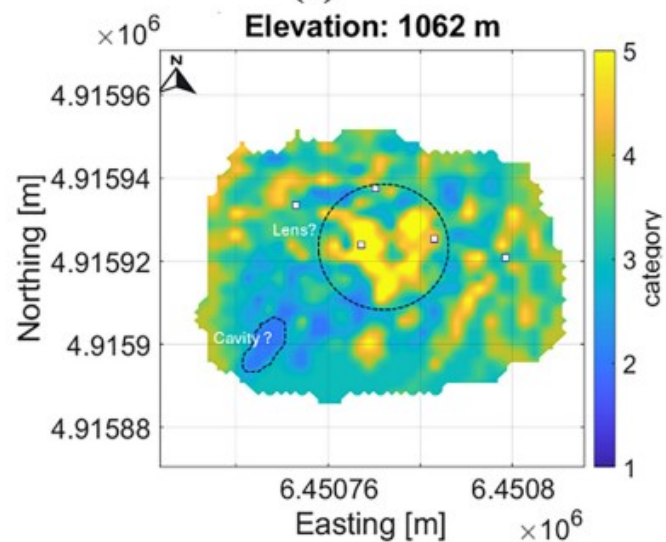
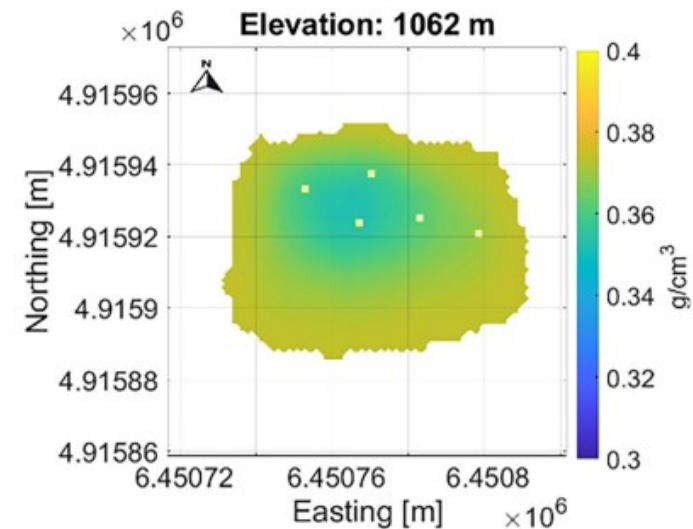
Jajce-Poljane
Bauxitbánya



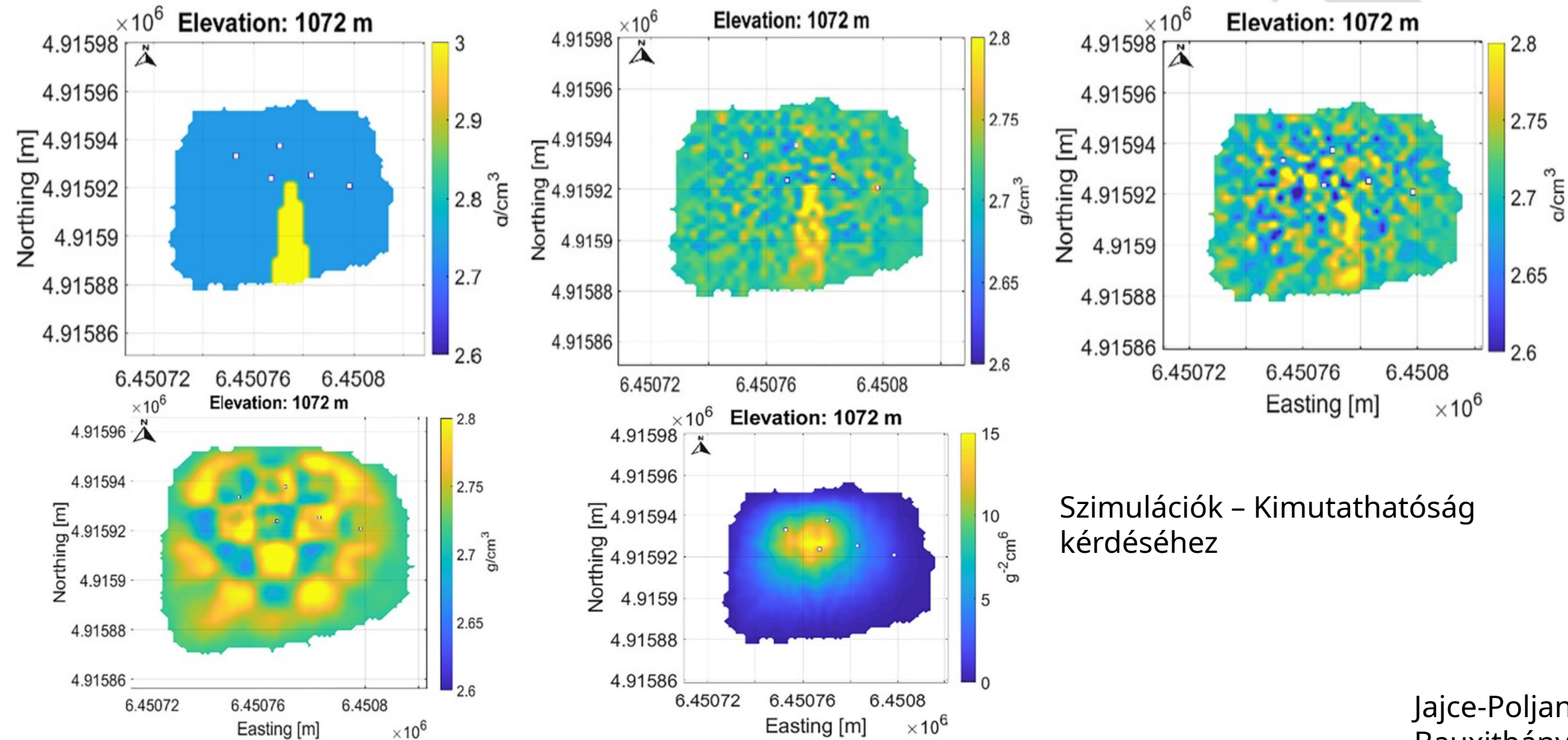
(a)



(c)

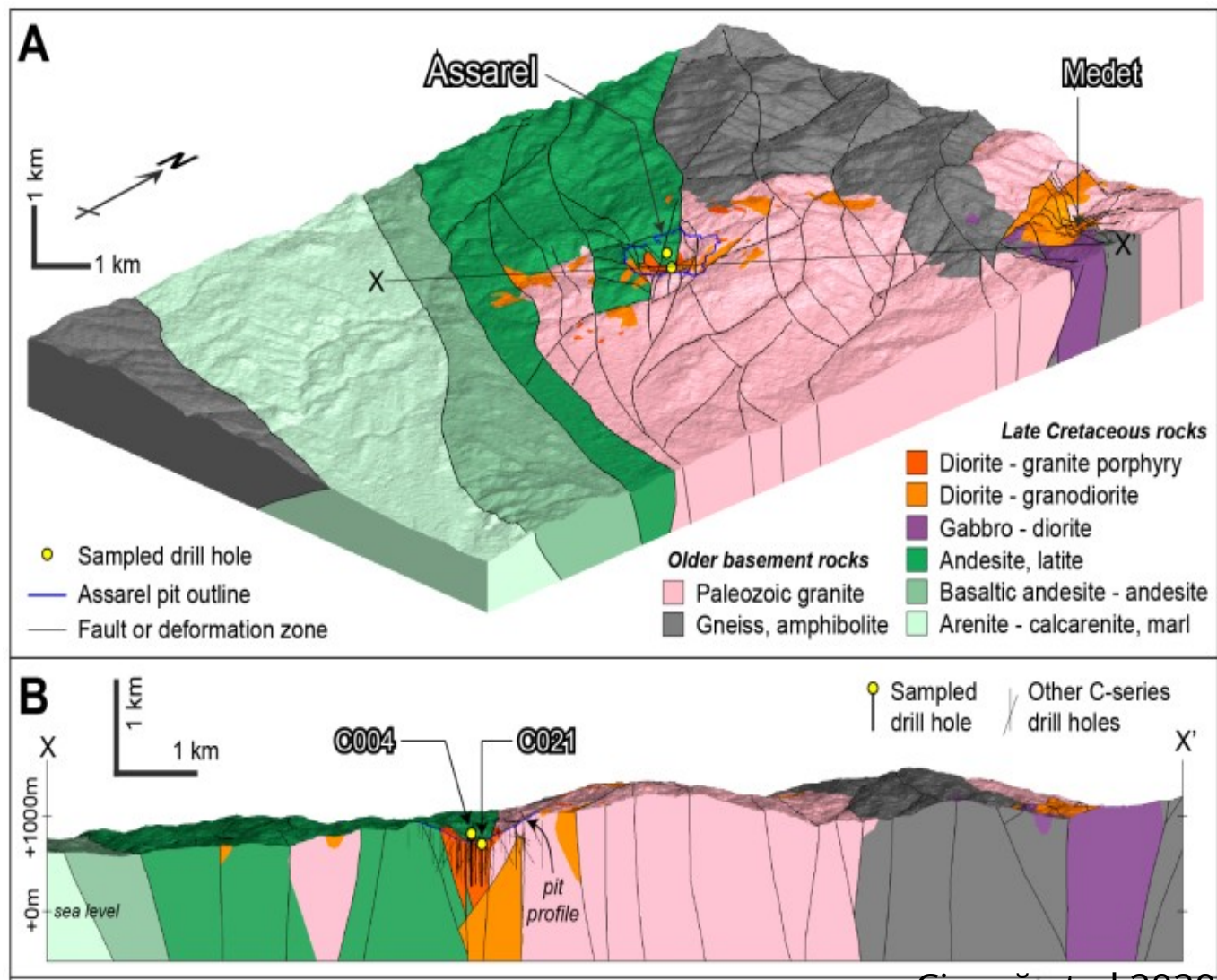


Horizon Europe - AGEMERA (CRM) projekt



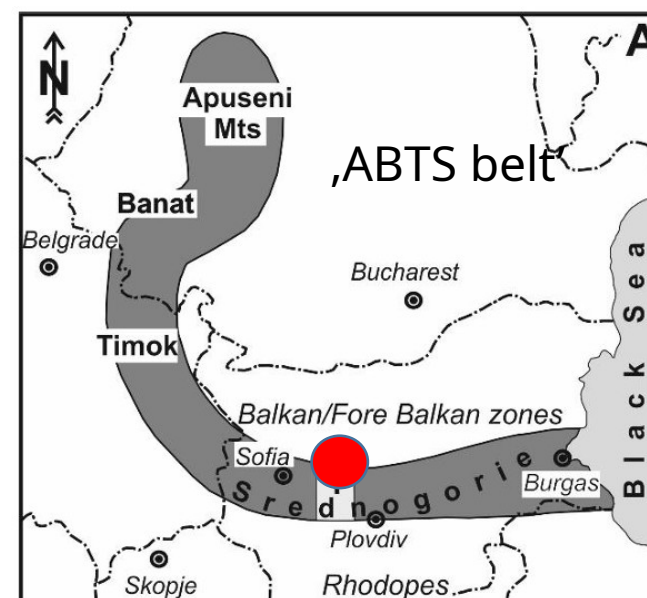
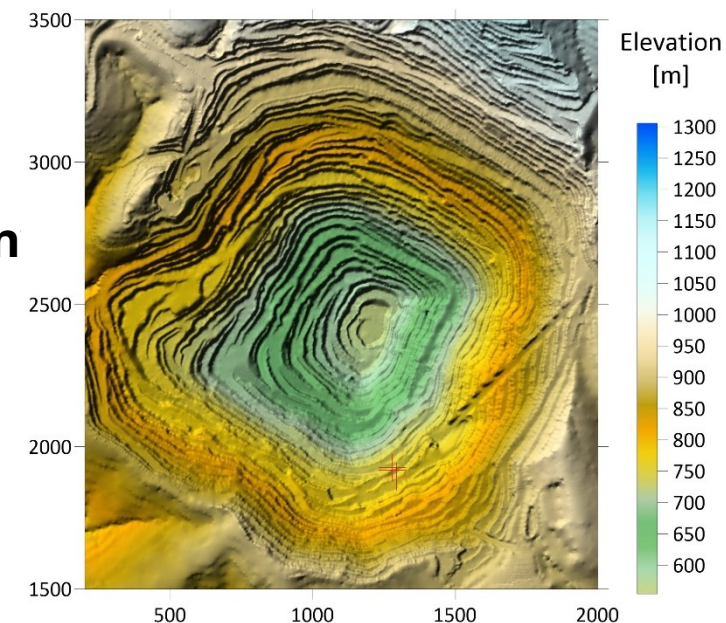
Szimulációk – Kimutathatóság
kérdéséhez

Horizon-Europe AGEMERA projekt



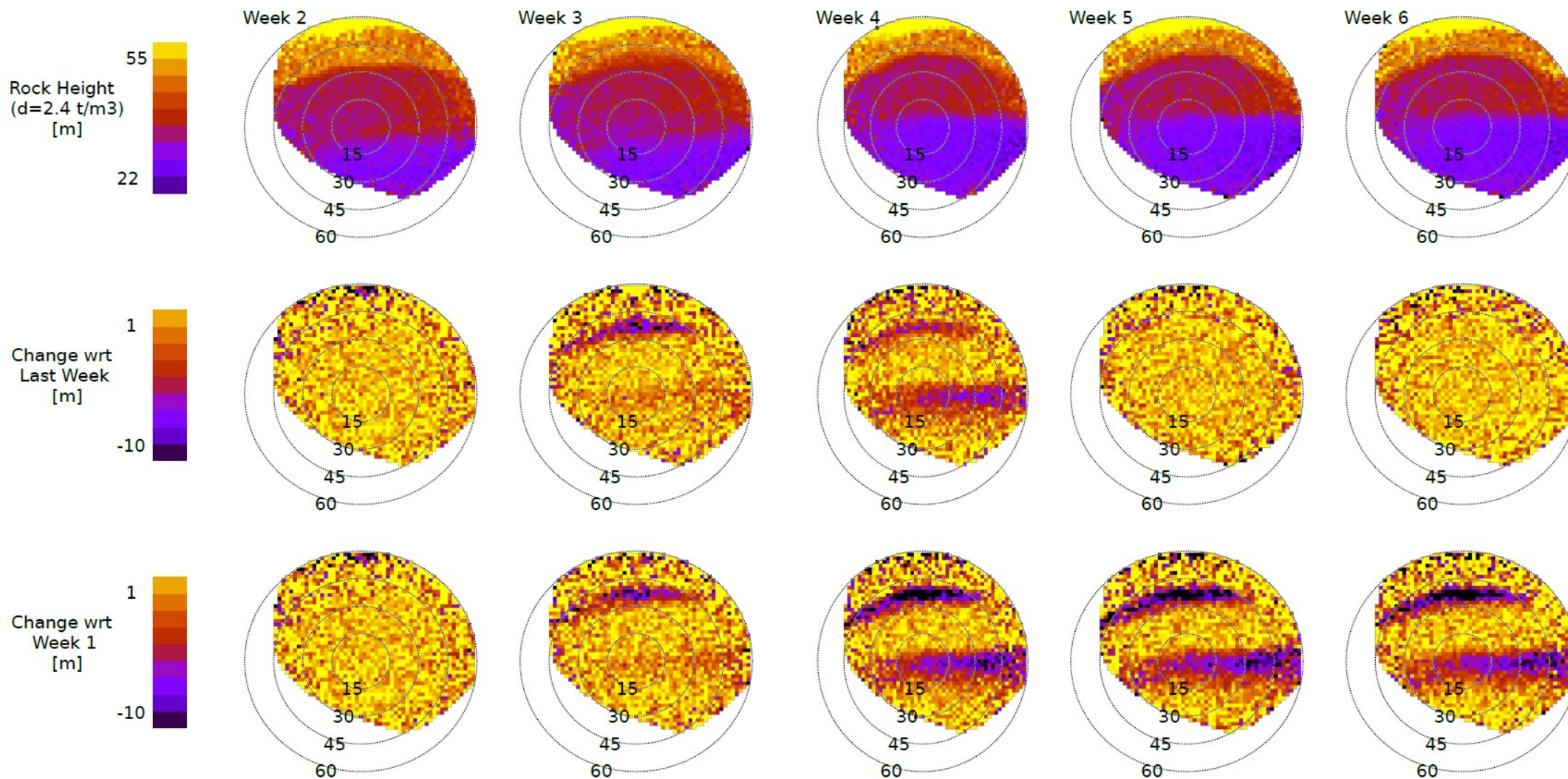
Cioacă et al 2020

Assarel Rézbán Bulgária



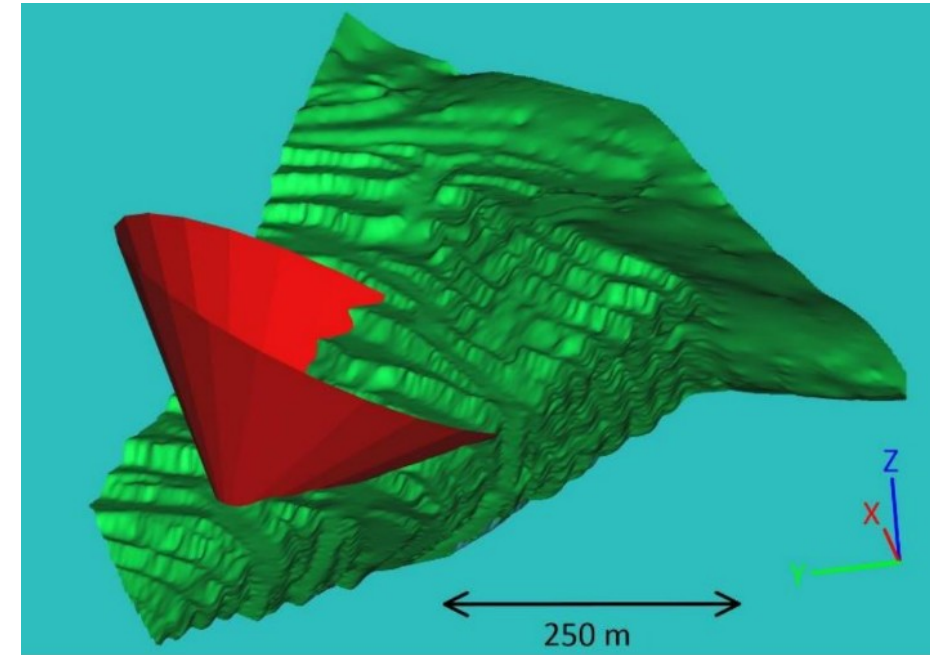
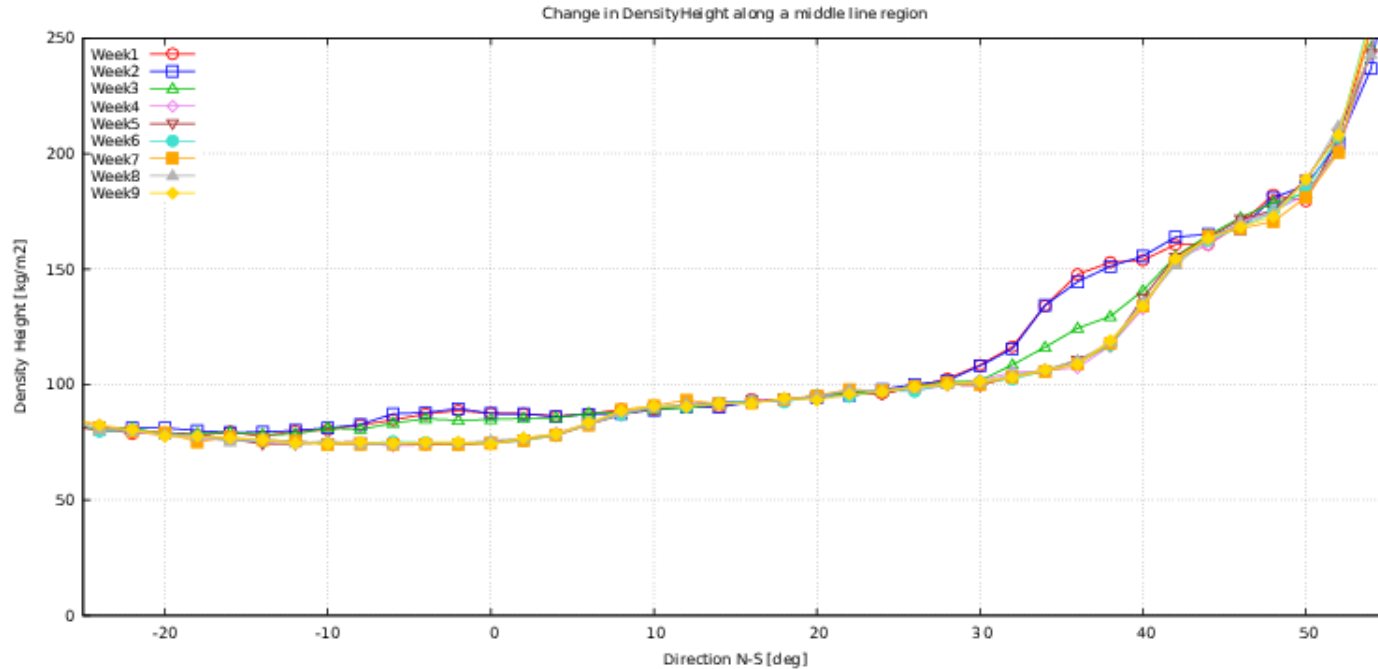
Működő
bánya
4D
tomografikus
inverzió

Horizon Europe AGEMERA projekt

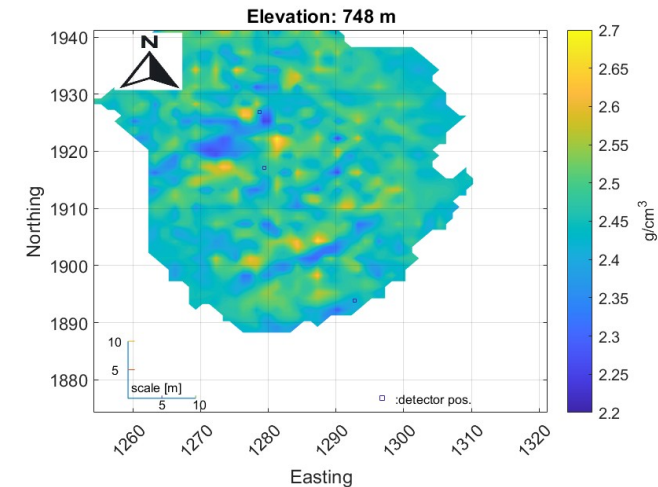
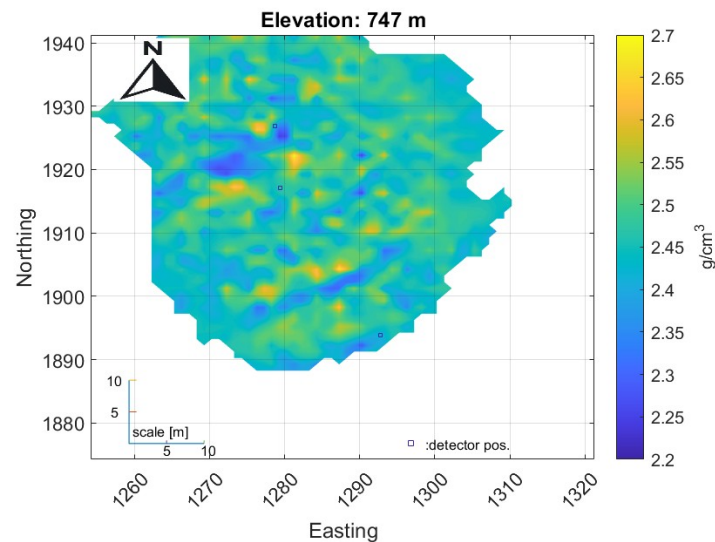


Működő
bánya
4D
tomografik
us inverzió

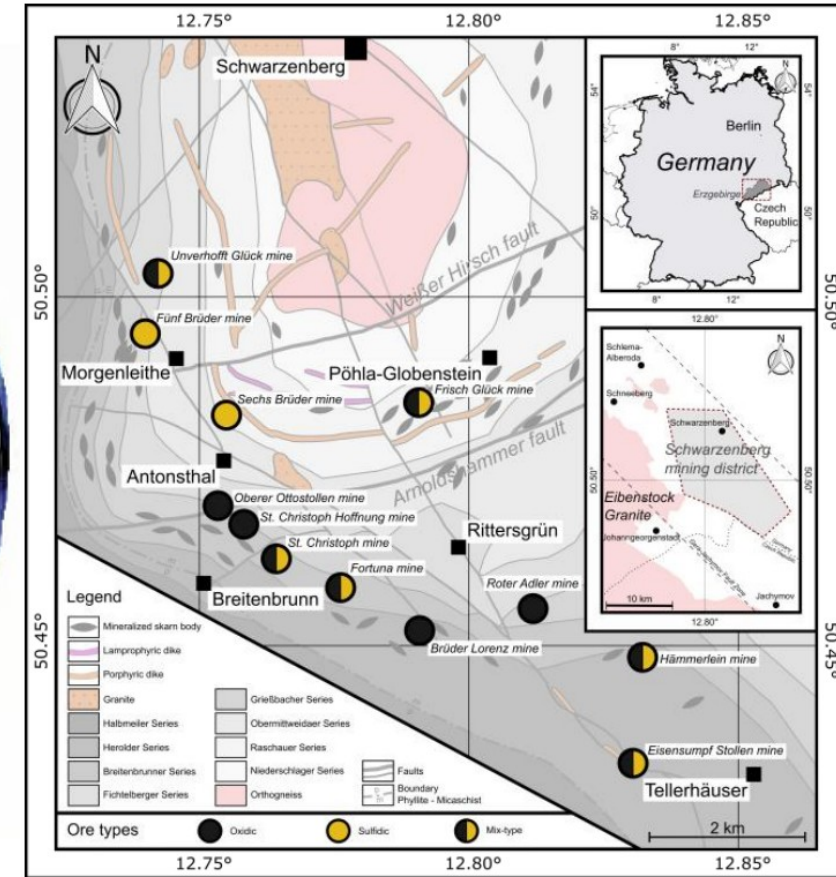
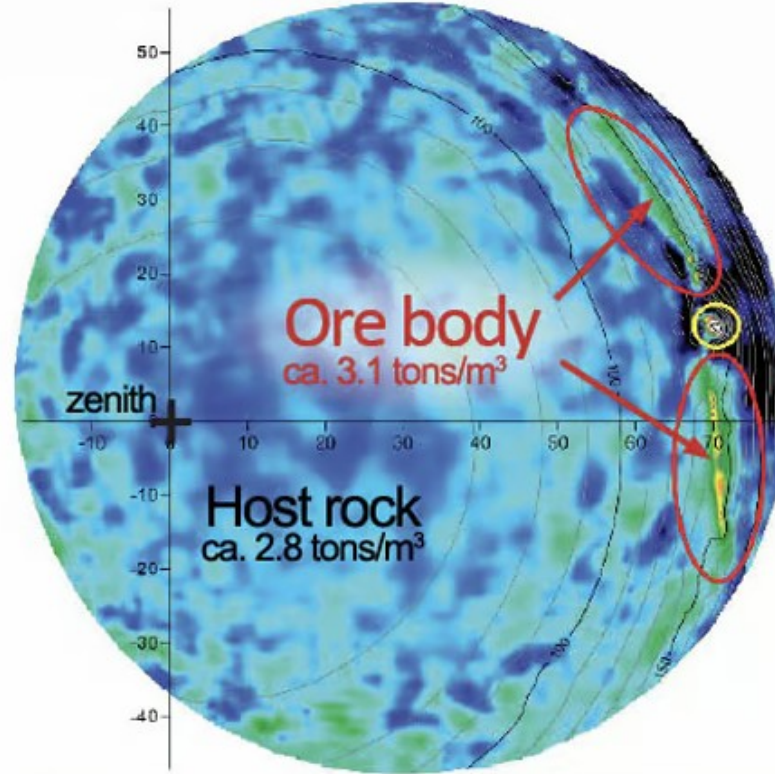
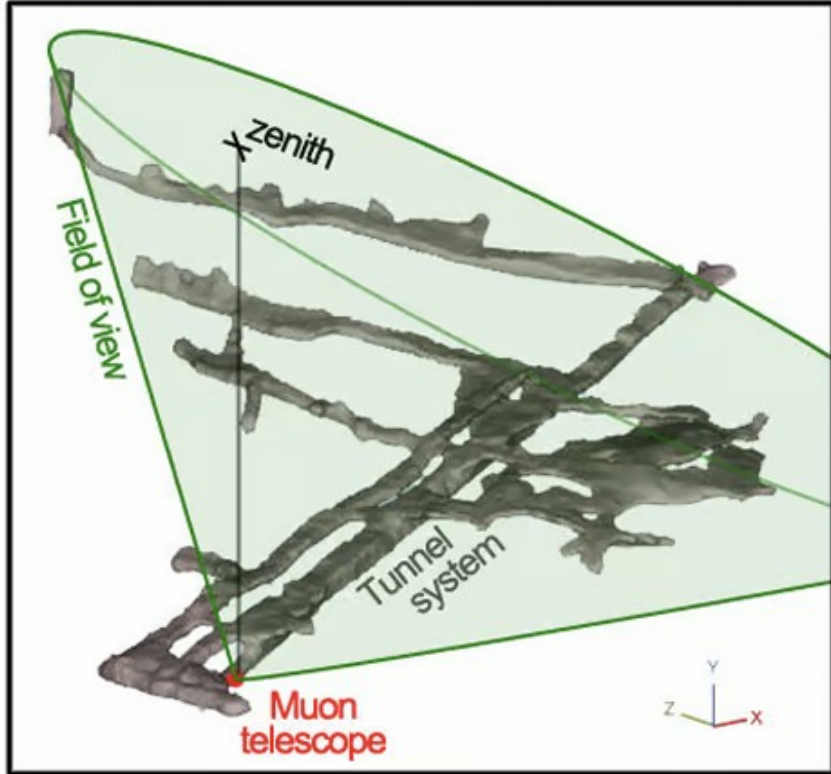
Horizon Europe AGEMERA projekt



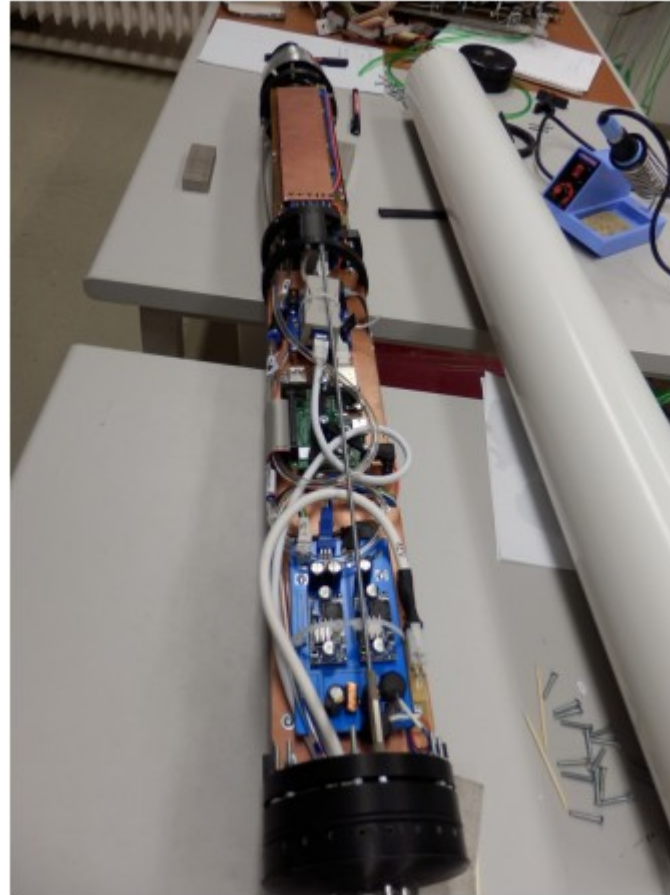
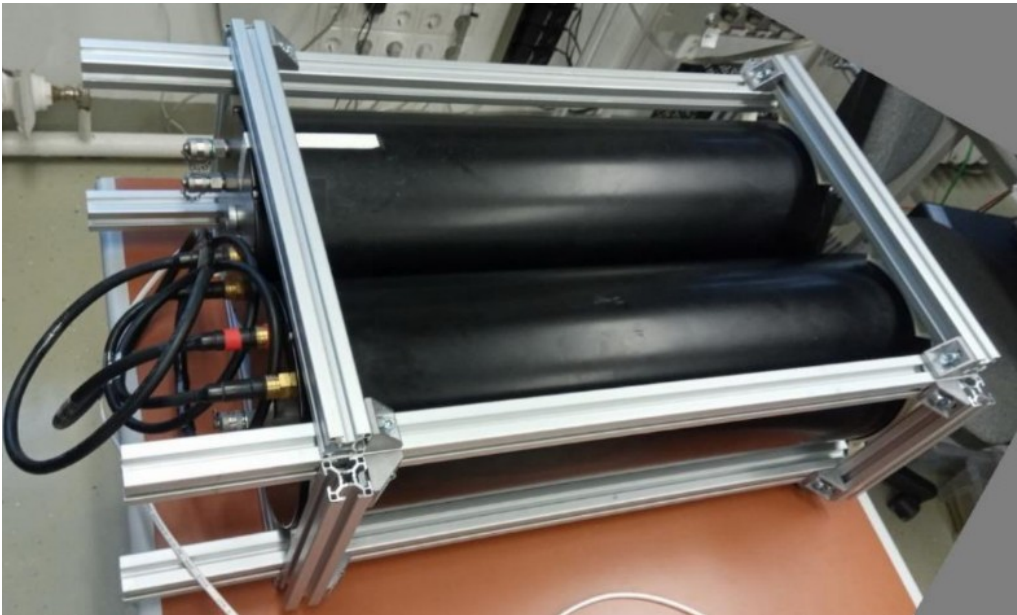
Működő
bánya
4D
tomografikus
inverzió



St. Christoph bánya - Tübingia



Geofizikai célú Detektor fejlesztések



Köszönöm a megtisztelő figyelmet!

<https://wigner.hu/nagyenergiyas-fizikai-osztaly/nagyenergiyas-geofizika-kutatocsoport>

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