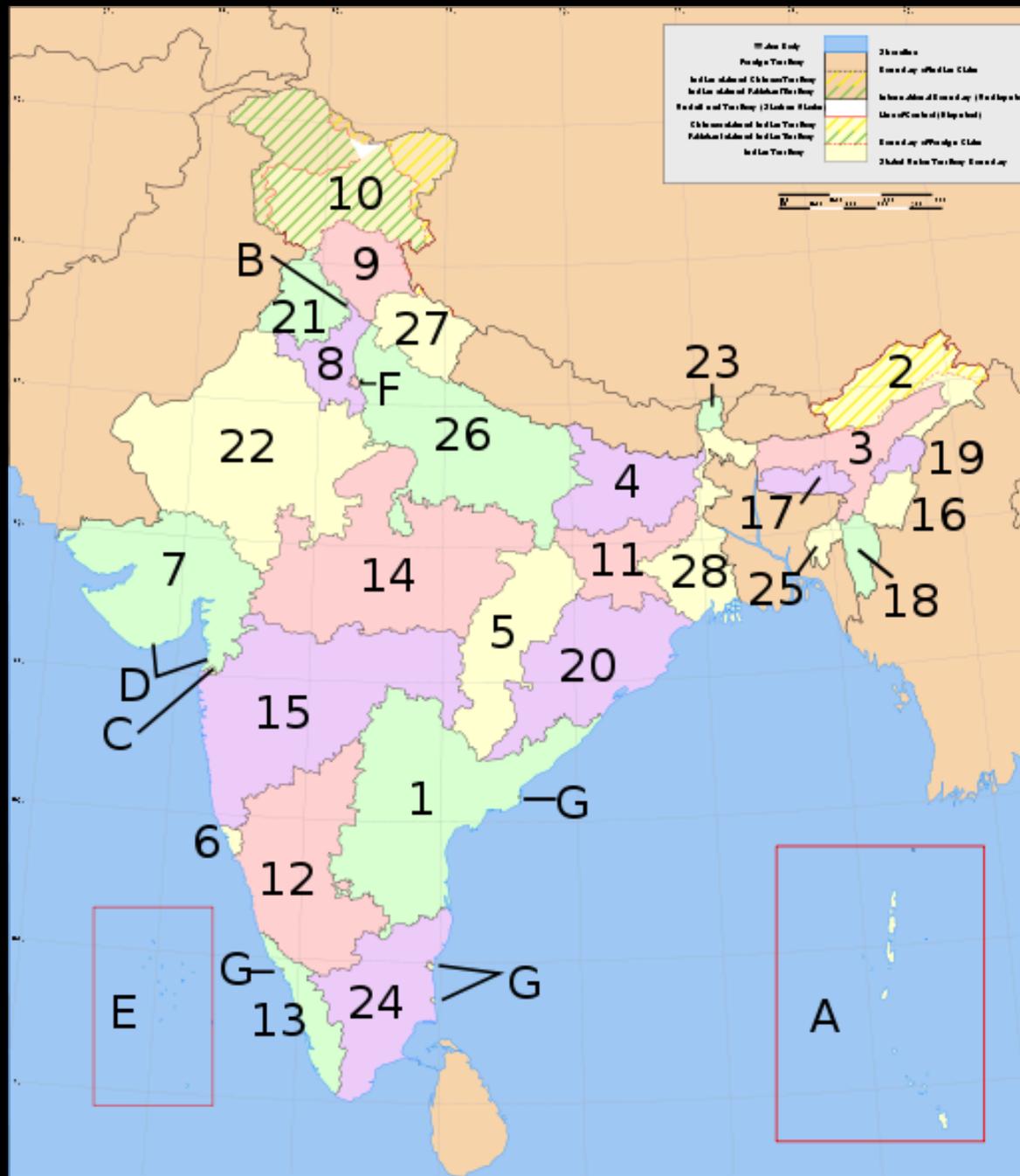


WORLD OF MINERALS

Michael Kruse Bak

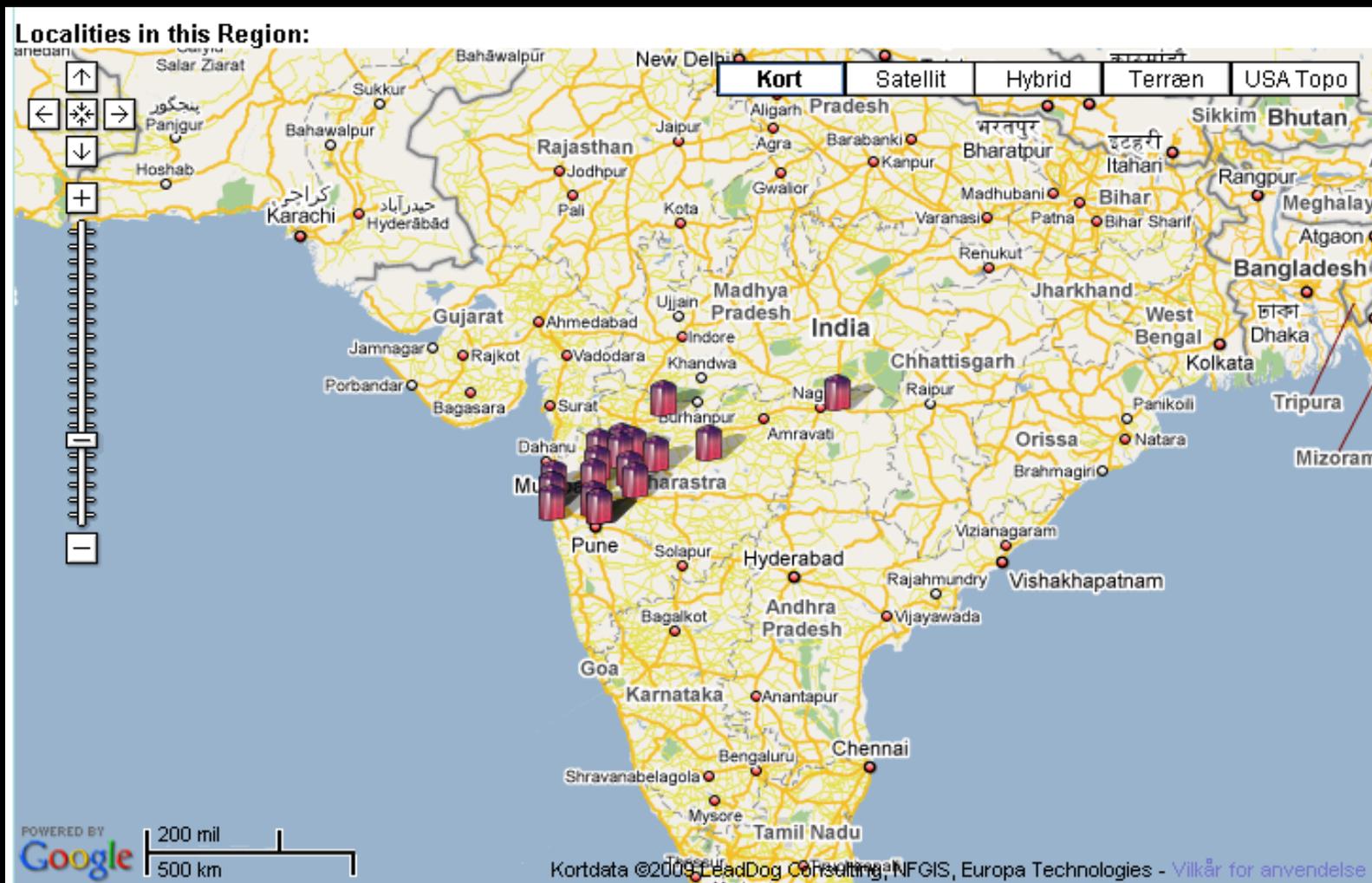
...cities in this region:



Lokaliteter i Maharashtra

- ▣ Puna
- ▣ Mumbai
- ▣ Jalgaon
- ▣ Nasik
- ▣ Aurangabad
- ▣ Wagholi

Lokaliteter i Maharashtra



Lokaliteter



Deccan traps



Deccan Traps set fra Matheran, Maharashtra, Indien

Deccan traps



Deccan Traps set fra Matheran, Maharashtra, Indien

Deccan traps



Deccan Traps nær Pune, Maharashtra, Indien

Mineraler



Mineral List:

Aegirine-augite
 Albite
 'Albite-Anorthite Series'
 Analcime
 Andradite
 'Apatite'
 'Apophyllite'
 Apophyllite-(KF)
 Apophyllite-(KOH)
 Aragonite
 Babingtonite
 Baryte
 'Beldongrite'
 Braunite
 'β-Vredenburgite'
 Calcite
 Cavansite
 Celadonite
 'Chabazite'
 'Chalcedony'
 'var: Agate'
 Chalcopyrite
 'Chlorite Group'
 Chromite
 Copper
 Cryptomelane
 Diopside
 Djurleite
 Epistilbite
 Ferberite
 Fluorite
 Forsterite

'Garnet Group'
 Goethite
 Goosecreekite
 Gyrolite
 Hastingsite
 Hausmannite
 Hematite
 'Heulandite'
 Heulandite-Ca
 Hollandite
 Illite
 Ilvaite
 Jacobsite
 Julgoldite-(Fe2+)
 Julgoldite-(Fe3+)
 Kaersutite
 Laumontite
 'Lévyne'
 Magnetite
 var: Titaniferous Magnetite
 Manganite
 Mesolite
 'Mica Group'
 Mogánite
 Mordenite
 Natrolite
 Nepheline
 Okenite
 Omphacite
 Orthoclase
 Pentagonite
 Perovskite

Powellite
 Prehnite
 Pumpellyite-(Fe2+)
 Pyrite
 Pyrolusite
 Pyrrhotite
 Quartz
 var: Amethyst
 var: Rock Crystal
 var: Smoky Quartz
 Saponite
 var: Ferroan Saponite
 Scheelite
 Scolecite
 'Sericite'
 Siderophyllite
 'Smectite Group'
 Sphalerite
 Staurolite
 Stellerite
 'Stilbite'
 Stilbite-Ca
 Stilbite-Na
 Stishovite
 'Thomsonite'
 Thomsonite-Ca
 Titanite
 Todorokite
 Tosudite
 Ulvöspinel
 Yugawaralite
 'Zeolite Group'

Mineraler – de mest kendte

- ▣ Zeoliter
- ▣ Apophyllite
- ▣ Prehnite
- ▣ Gyrolite
- ▣ Okenite
- ▣ Cavansite
- ▣ Pentagonite
- ▣ Calcite
- ▣ Quartz

Zeoliter

- ▣ Mineralgruppe med 44 medlemmer, hvoraf flere danner undergrupper
- ▣ Aluminiumsilikater
- ▣ Zeo er fra græsk og betyder kogende
- ▣ $\text{Ca}[\text{Al}_2\text{Si}_3\text{O}_{10}] \cdot 3\text{H}_2\text{O}$ (Scolesite)

Zeoliter

- ▣ Ofte fra Maharashtra:
 - Stilbite-Ca og Stilbite-NA
 - Heulandite-Ca, Heulandite-K, Heulandite-Na og Heulandite-Sr
 - Laumontite
 - Mesolite
 - Scolesite
 - Natrolite

Zeoliter

- ▣ Mere sjældne zeoliter fra Maharashtra:
 - Epistilbite
 - Goosecreekite
 - Mordenite
 - Stellerite
 - Yagawaralite

Stilbite-Ca, Wagholi, Pune District (Poonah District), Maharashtra, India



Heulandite, Nasik, Maharashtra, India



Heulandite, Stilbite, Celadonite, Sakur, Maharashtra, India



Heulandite, Stilbite, Celadonite, Sakur, Maharashtra, India



Laumontite, Wagholi, Pune District, Maharashtra, India



Mesolite, Pashan, Pune District, Maharashtra, India



Mesolite, Pashan, Pune District, Maharashtra, India



Mesolite, Haldarsvik, Streymoy island, Faroe Islands, Denmark



Mesolite with Stilbite from Haldarsvik, Streymoy, Føroyer. Specimen size 4x6 cm © Volker Betz

Scolesite, Nasik District, Maharashtra, India



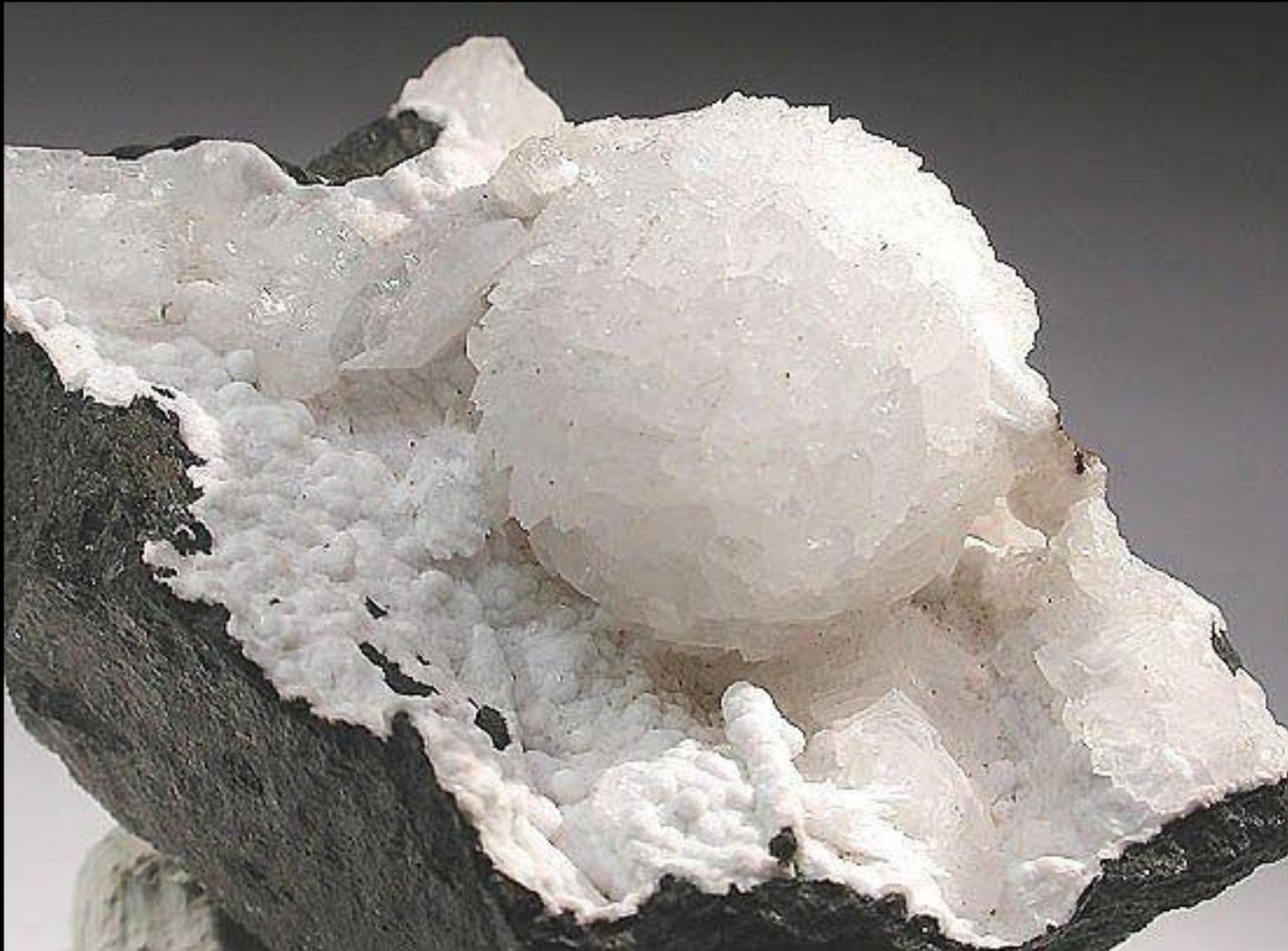
Natrolite, Pune District, Maharashtra, India



Epistilbite, Jalgaon District, Maharashtra, India



Goosecrekite, Jalgaon District, Maharashtra, India



Mordenite, Jalgaon District, Maharashtra, India



Stellerite, Wagholi, Pune District, Maharashtra, India



Yugawaralite, Khandivali Quarry, Mumbai District, Maharashtra, India



Apophyllite

- ▣ Græsk for "væk fra" og "blad" på grund af at den går i stykker ved opvarmning
- ▣ Spalter meget let
- ▣ Mange farver – primært klare krystaller og i sjældnere tilfælde klare grønne farver
- ▣ $\text{KCa}_4 [(\text{F},\text{OH}) | \text{Si}_8\text{O}_{20}] \cdot 8\text{H}_2\text{O}$

Apophyllite



Apophyllite



Apophyllite



Okenite

- ▣ Navngivet efter en tysk naturalist Lorentz Ochen (slut 1800-tallet)
- ▣ Forveksles ofte med Mordenite
- ▣ $\text{CaSi}_2\text{O}_5 \cdot 2\text{H}_2\text{O}$

Okenite



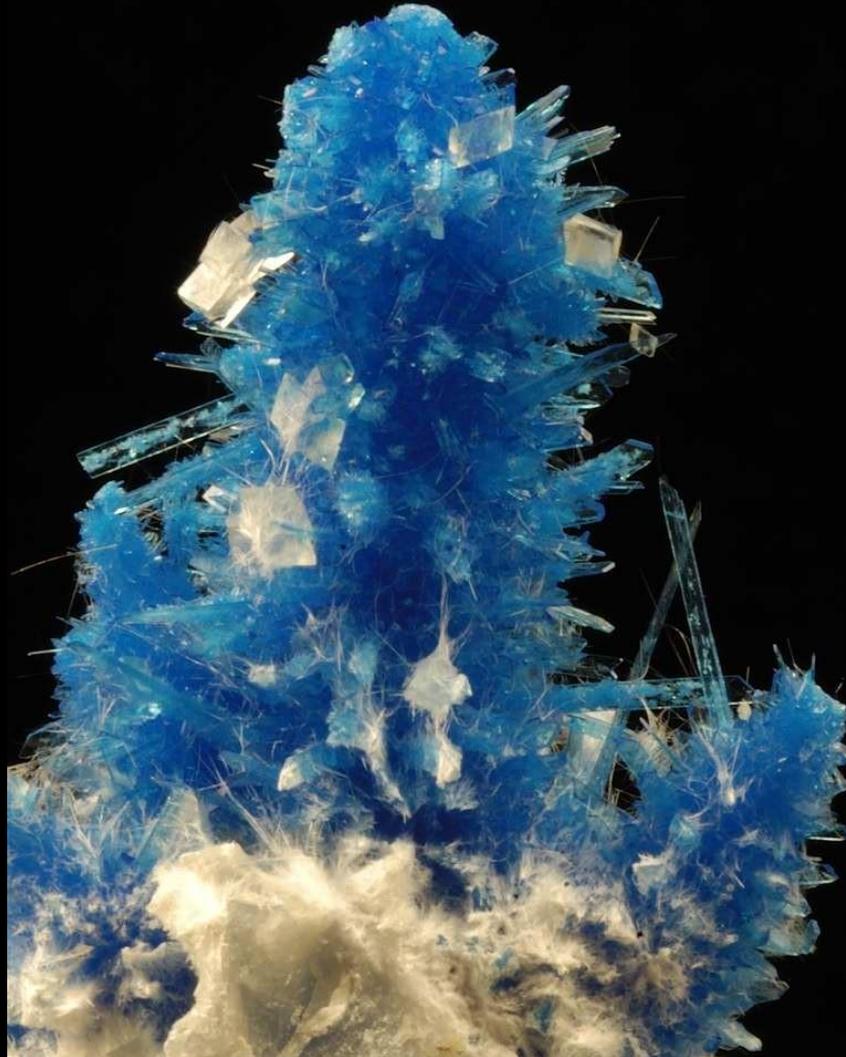
Cavansite/Pentagonite

- ▣ Navn efter de grundstoffer mineralet består af
- ▣ Wagholi, Puna District, Maharashtra, India
- ▣ Dimorph med Pentagonite
- ▣ $\text{Ca}(\text{VO})\text{Si}_4\text{O}_{10} \cdot 4\text{H}_2\text{O}$ (Cavansite)
- ▣ $\text{Ca}(\text{VO})\text{Si}_4\text{O}_{10} \cdot 4\text{H}_2\text{O}$ (Pentagonite)

Cavansite



Pentagonite



WORLD OF MINERALS

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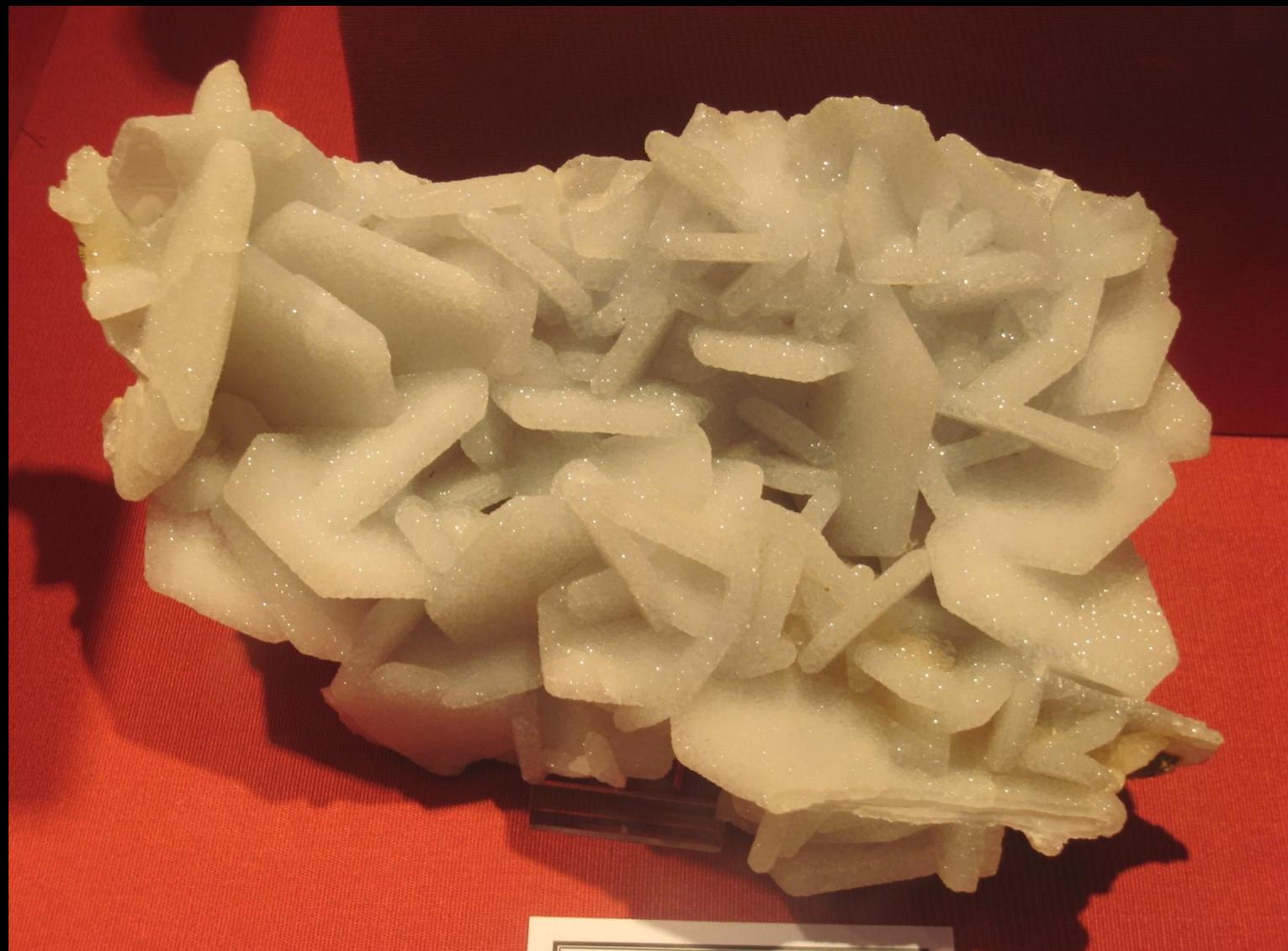
München 2009



München 2009



München 2009



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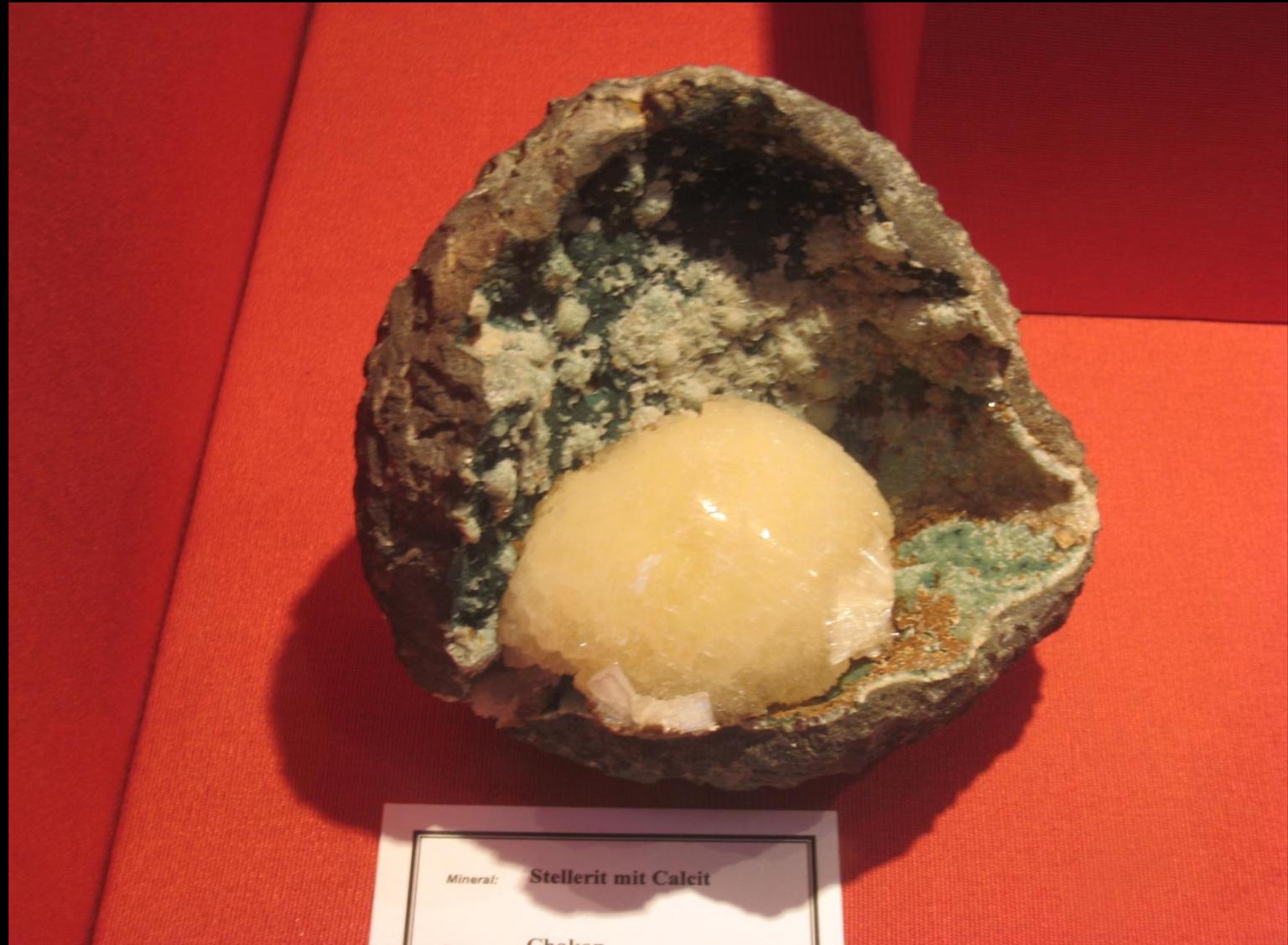


Mineral: **Heulandit**
Fundort: **Sakur,
Maharashtra**
Sammlung: Dr. H. Breitenbach,
Neubausen
München 2009



Mineral: **Stilbit**
Fundort: **Sakur,
Maharashtra**
Sammlung: E. Keck, Etzenricht
München 2009

München 2009



Mineral: **Stellerit mit Calcit**

Chakan

München 2009

Mesolith
ort: Poona - Pashan,
Maharashtra
entung: MATRIX INDIA,
Pune, India
München 2009



Heulandite / Stilbite / Chalcedony
Jaigaon District, Maharashtra, India
MARIO PAUWELS mineral collection Belgium



Cavansite
Wagholi Mine, Pune District,
Maharashtra, India
MARIO PAUWELS mineral collection Belgium

München 2009



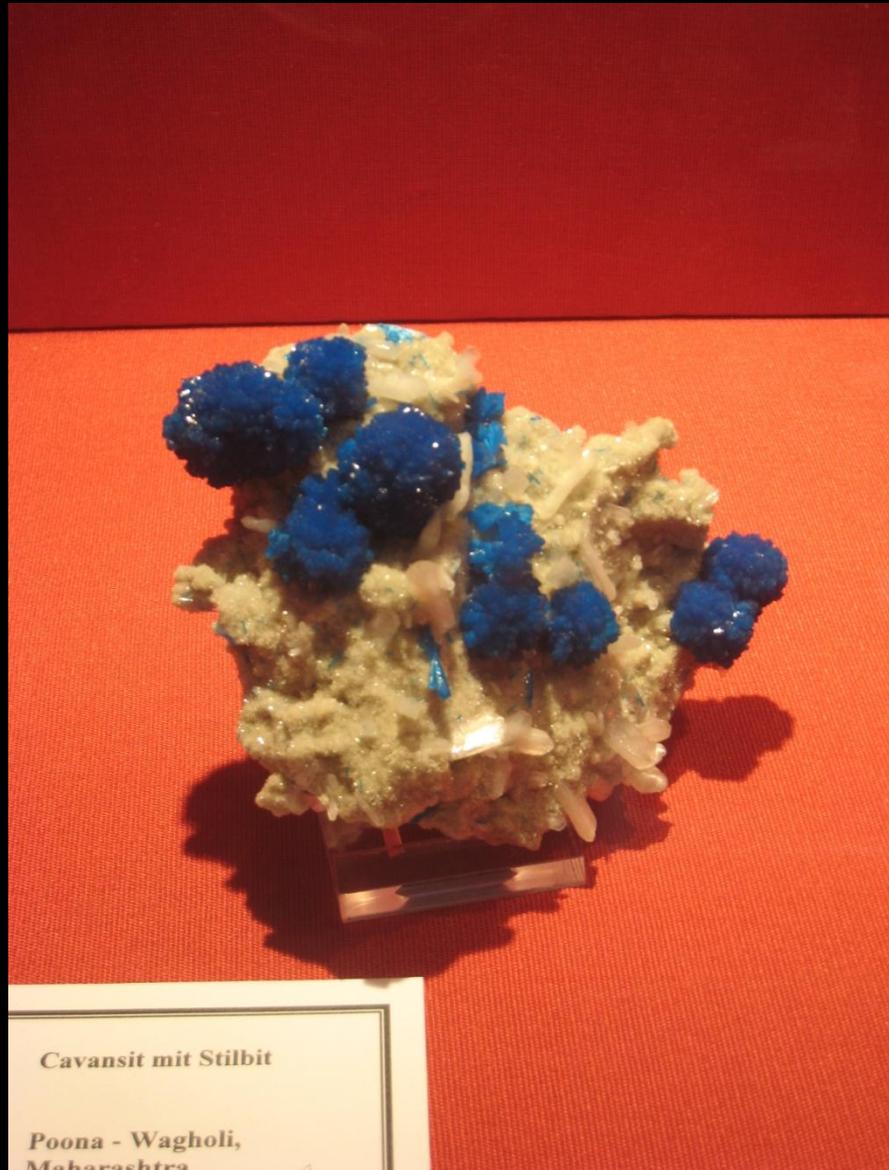
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