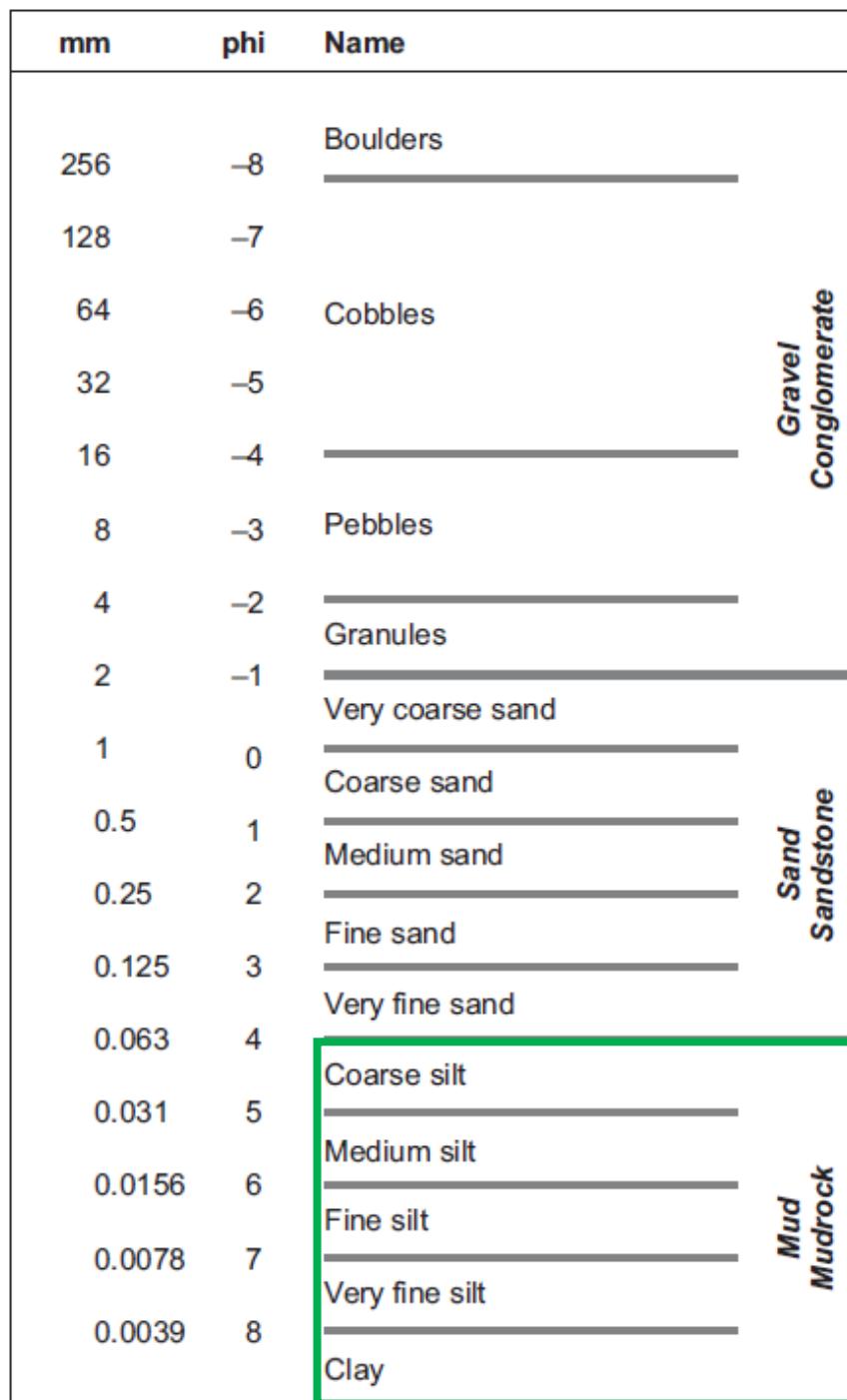


Textura e composição de sedimentos finos

GSA0252-Sedimentologia

Composição vs. Granulação

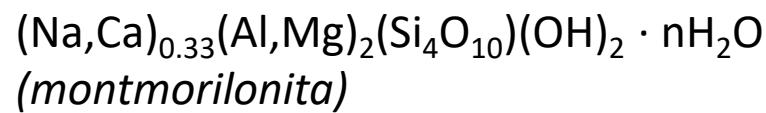


Composição vs. Granulação

Caulinita



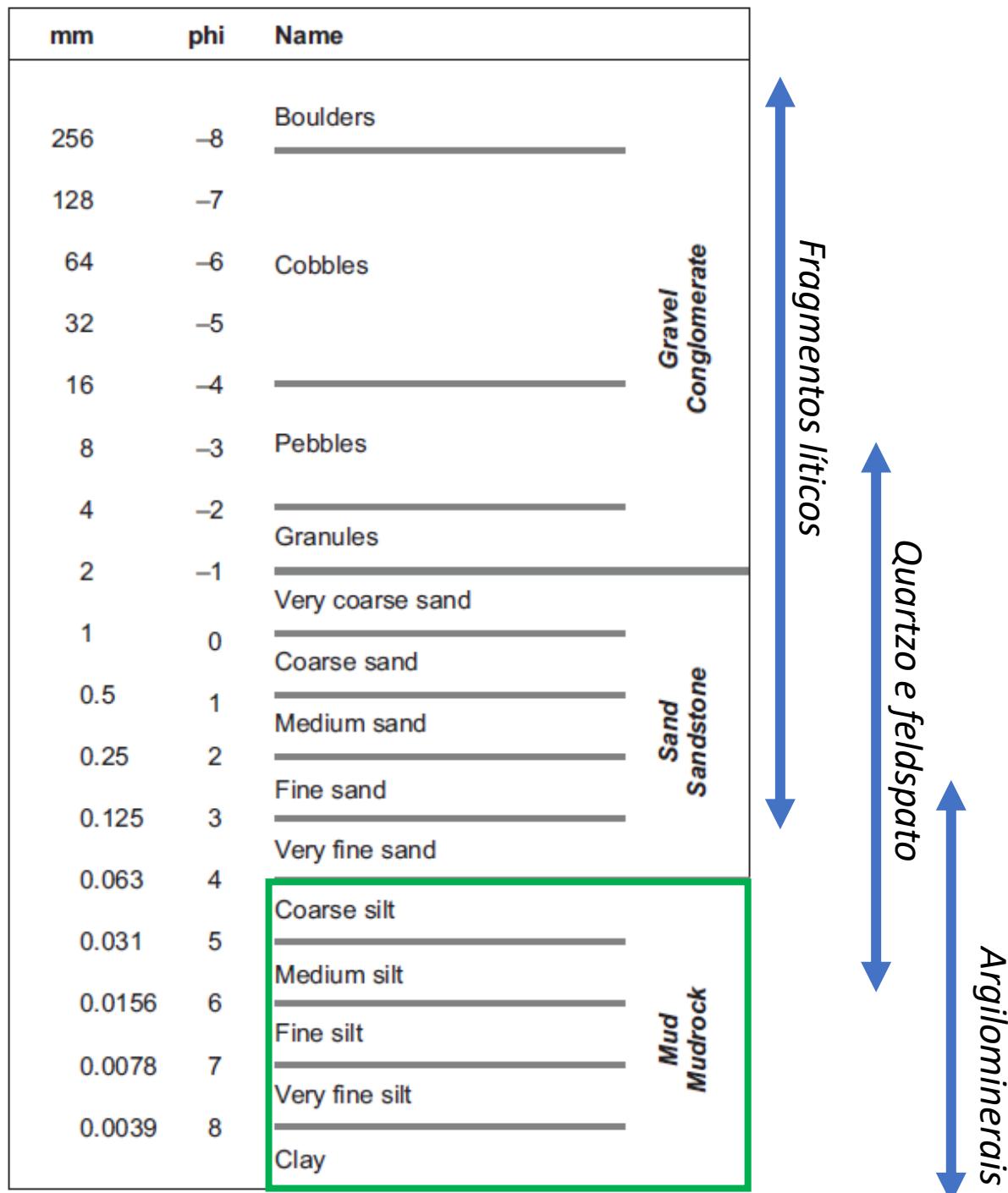
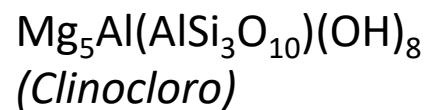
Esmectita



Ilita



Clorita

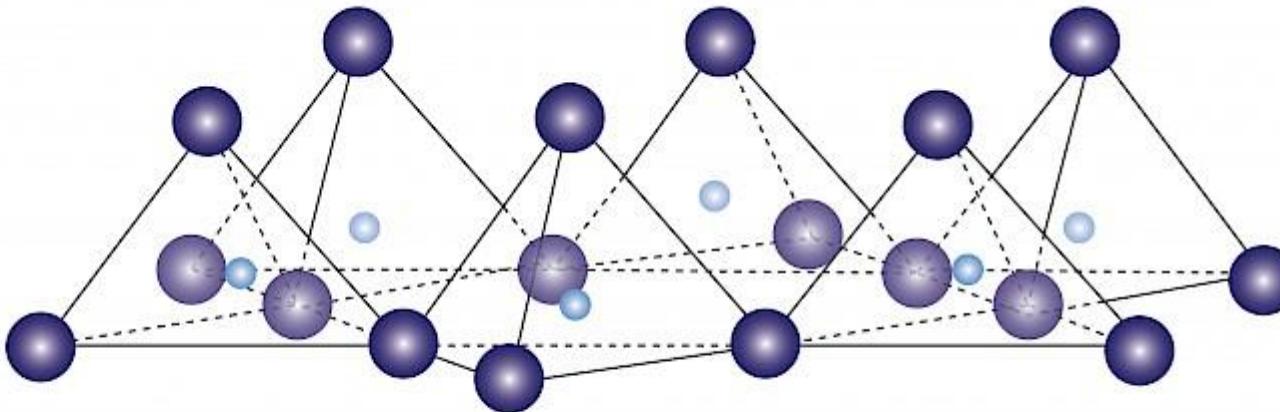
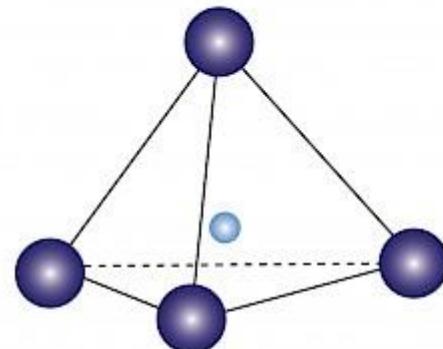


'Bolas misteriosas' tomam praia no litoral de SP e intrigam moradores: 'Impressionante' (G1)

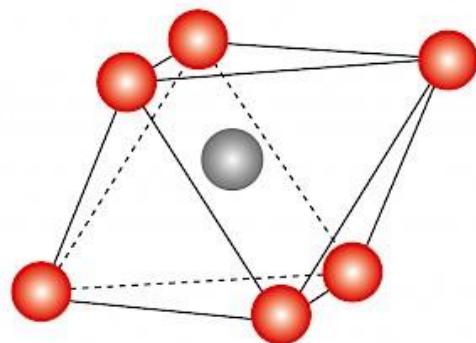


Foto: G1 - Diogo Cavalcanti de Souza/Arquivo Pessoal

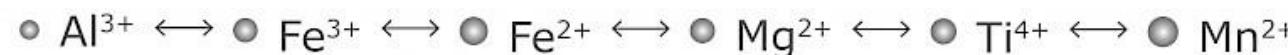
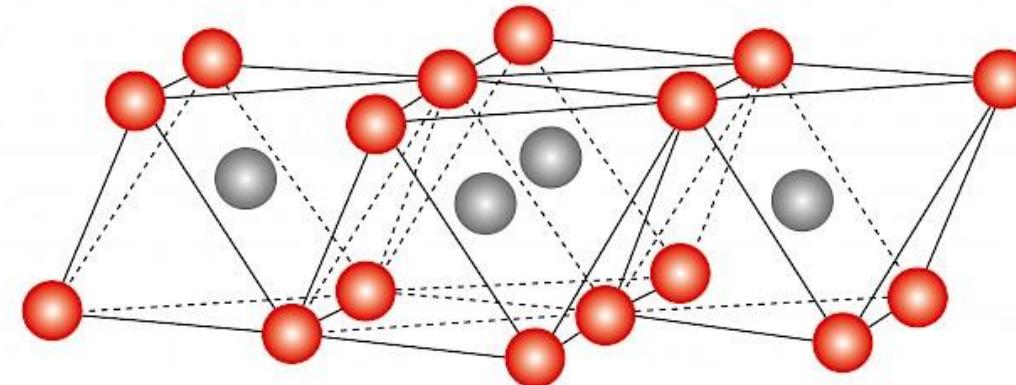
Argilominerais (filossilicatos)



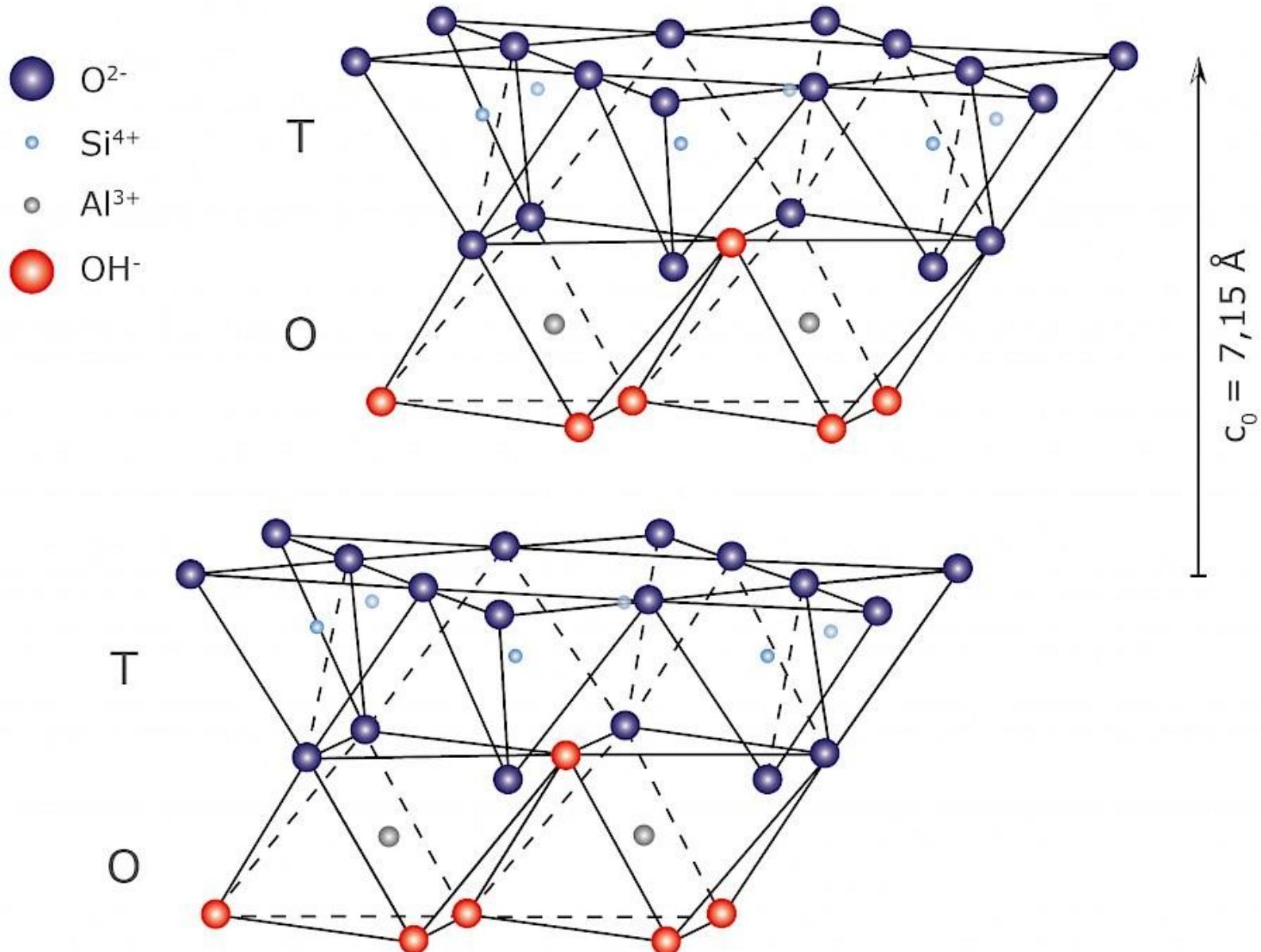
Tetraedros



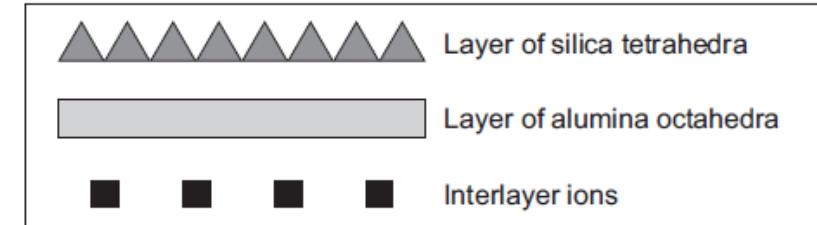
Octaedros



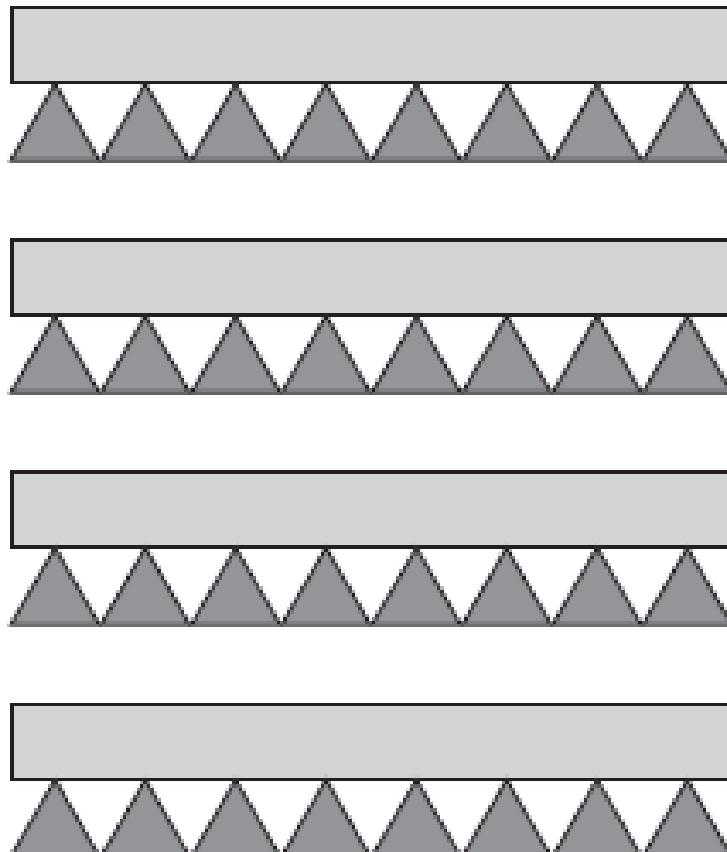
Caulinita



Argilominerais

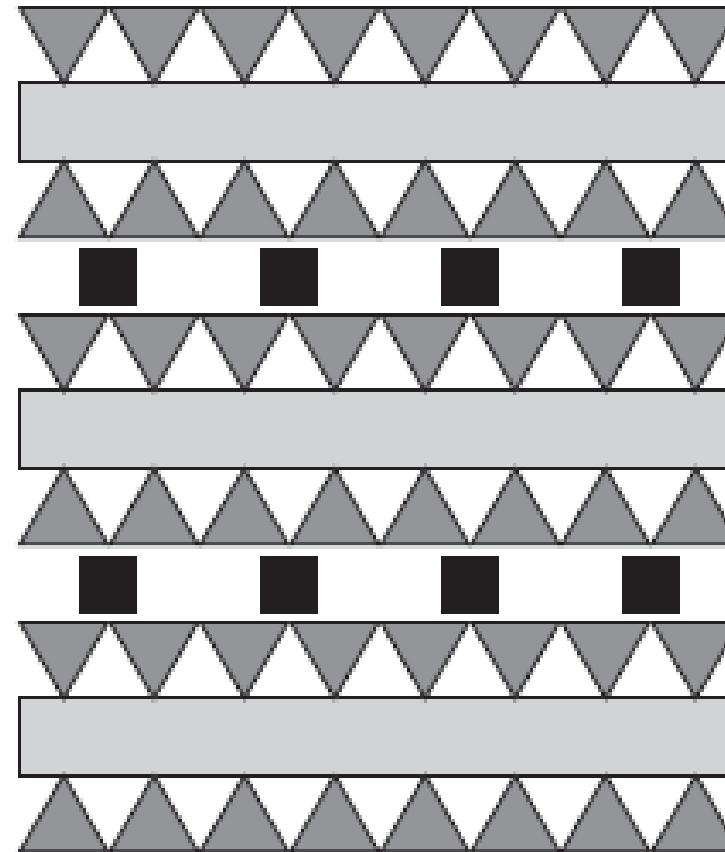


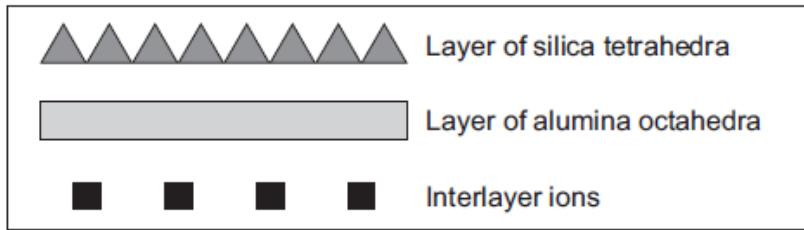
Kaolinite: 2-layer clay



Illite: 3-layer clay

Interlayer ions: K, OH, Fe, Mg

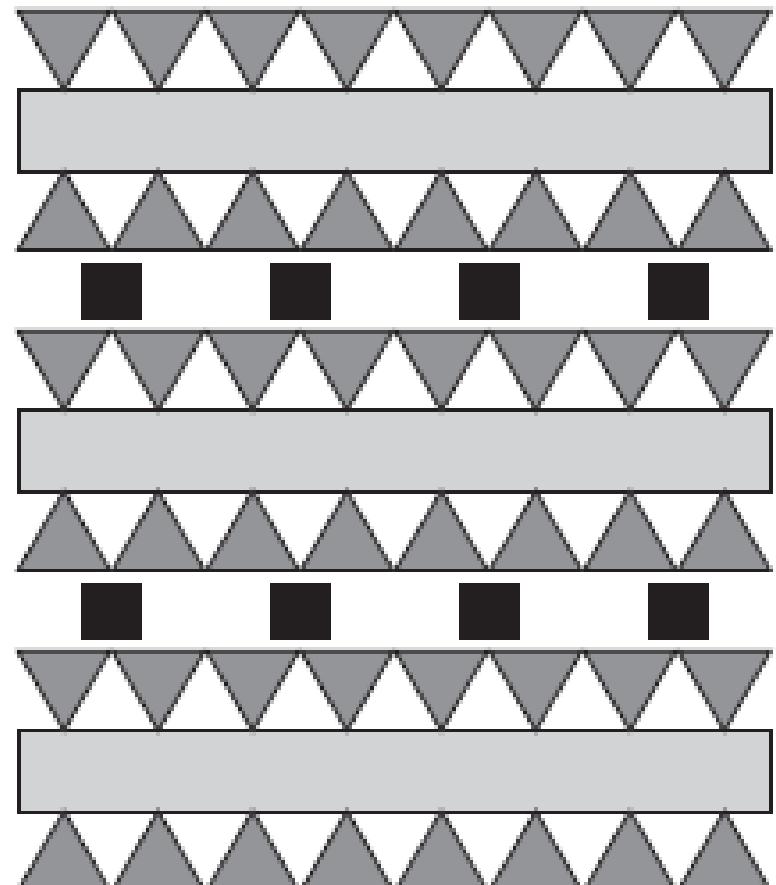




Esmectita

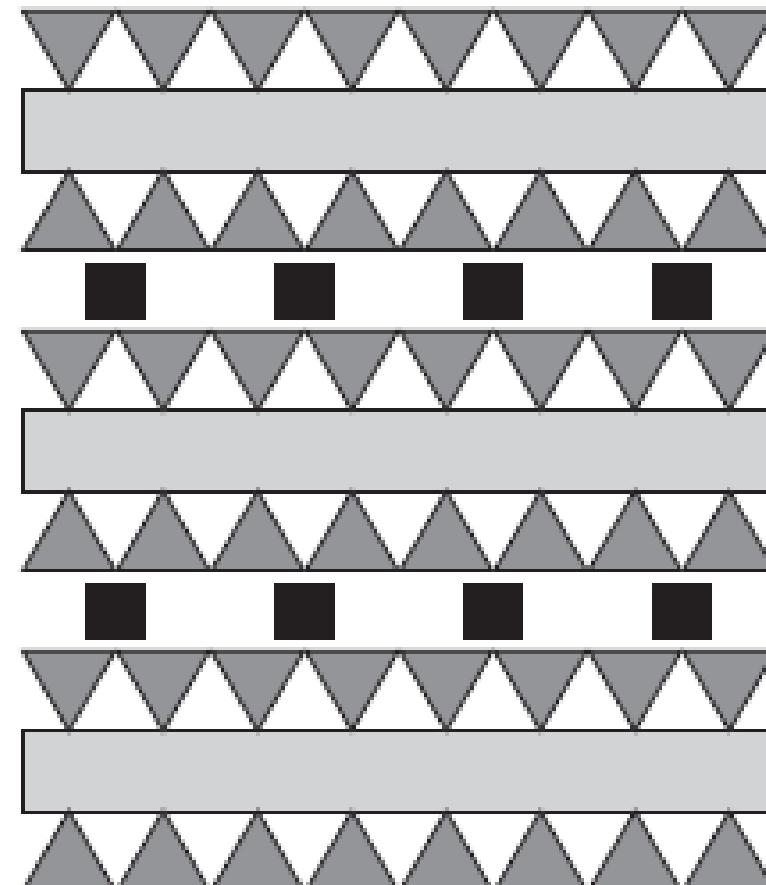
Montmorillonite: 3-layer clay

Interlayer ions: H_2O , Ca

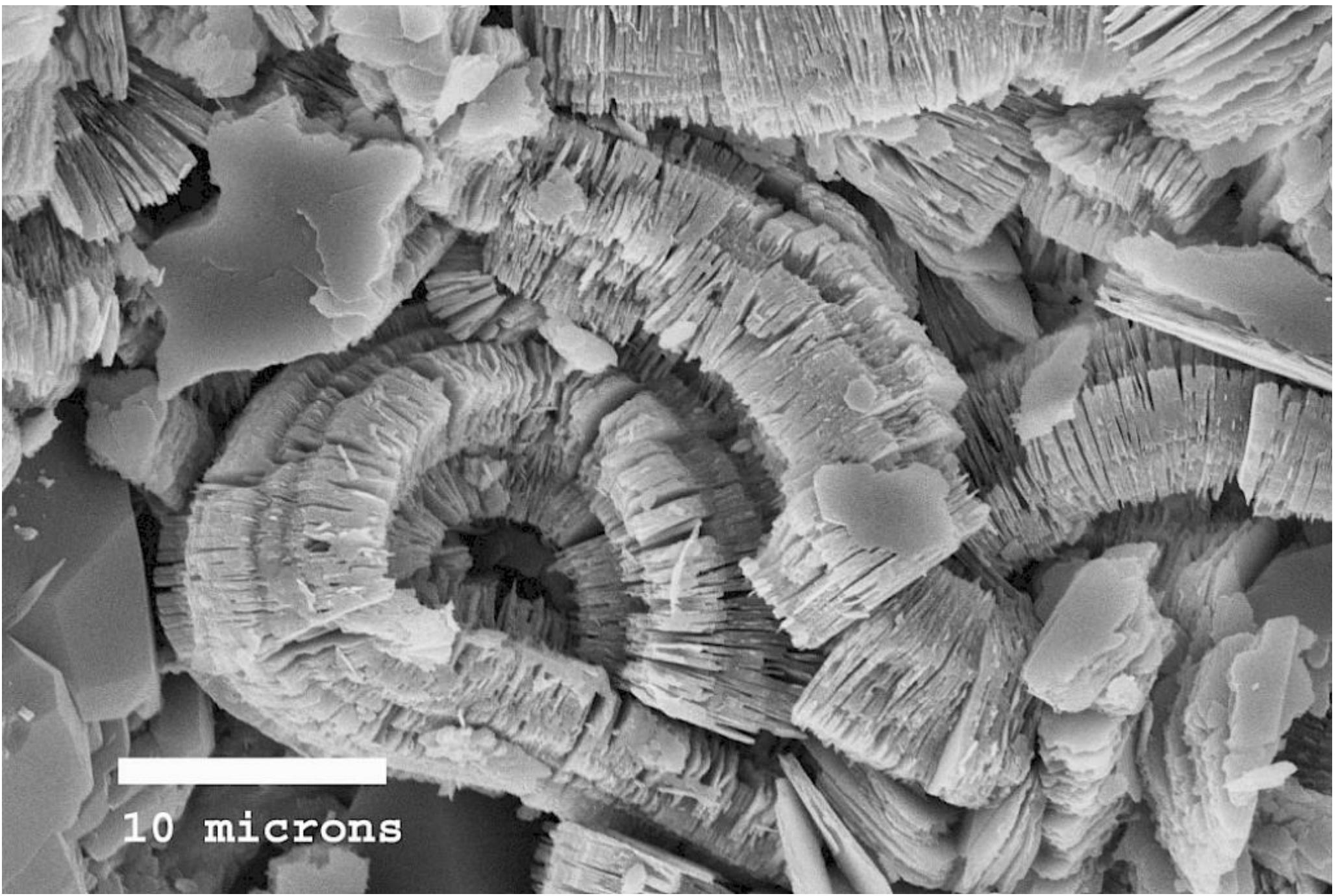


Chlorite: 3-layer clay

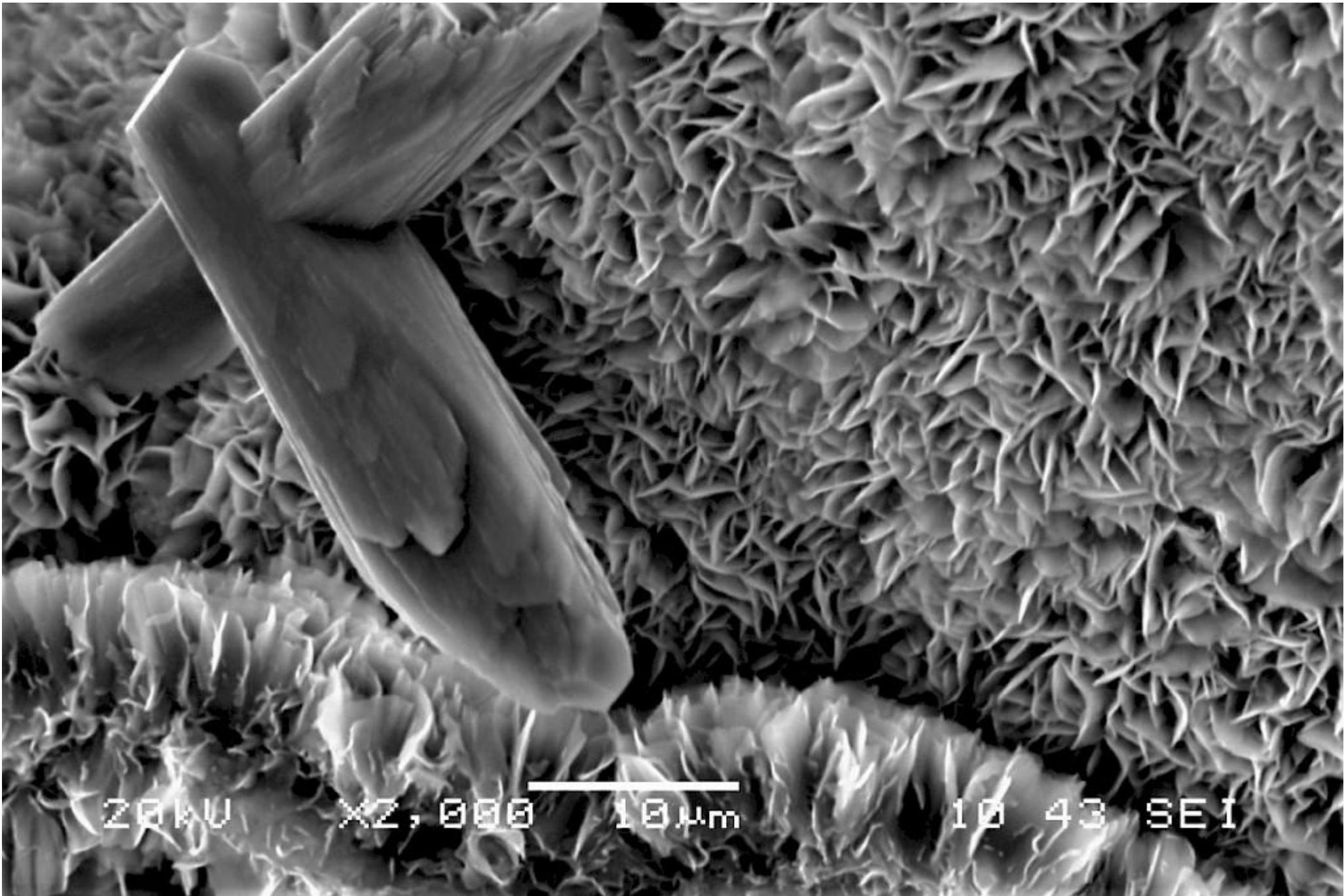
Interlayer ions: Mg, OH



Caulinita



Esmectita



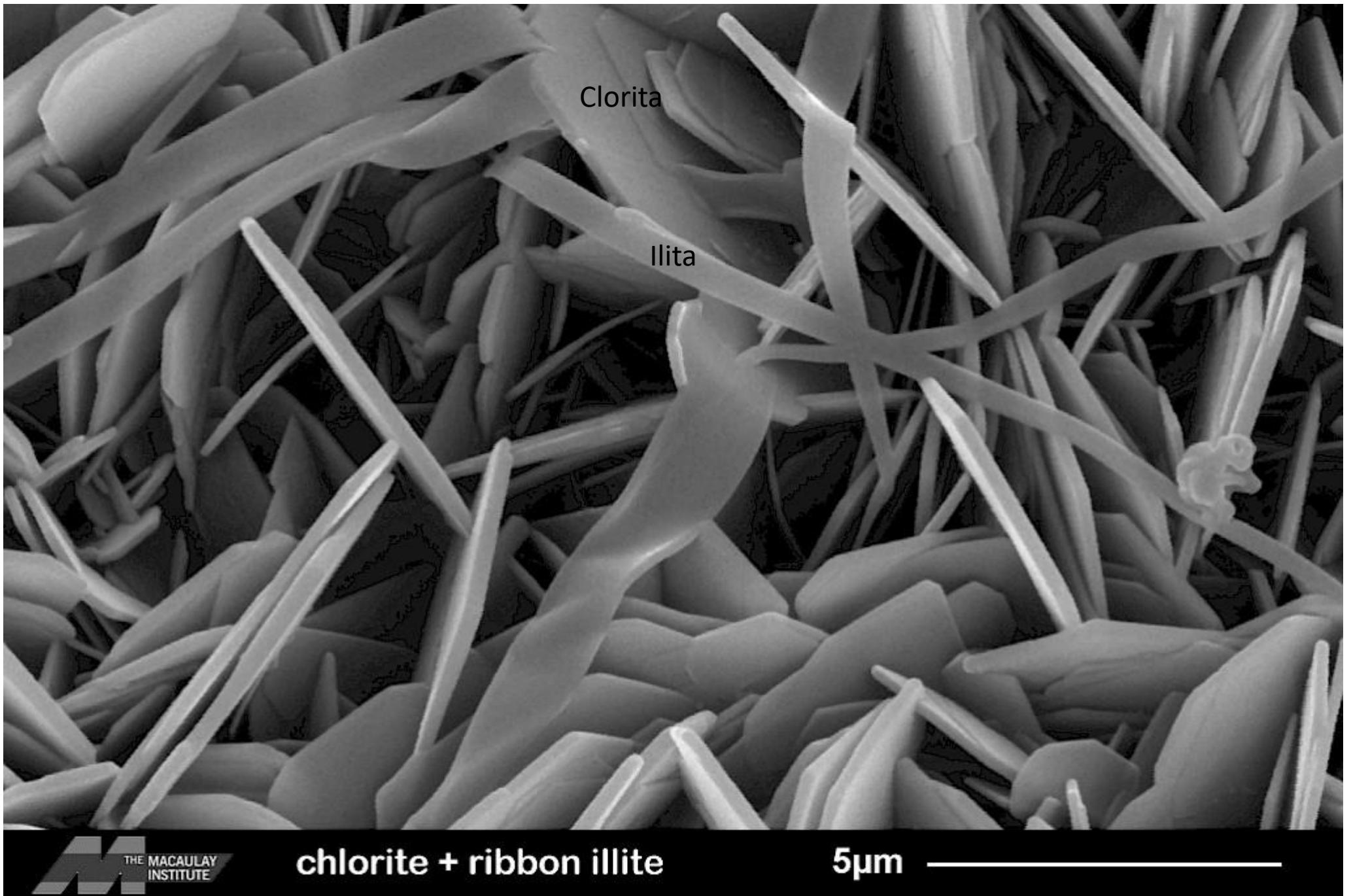
ZEIMU

x2,000

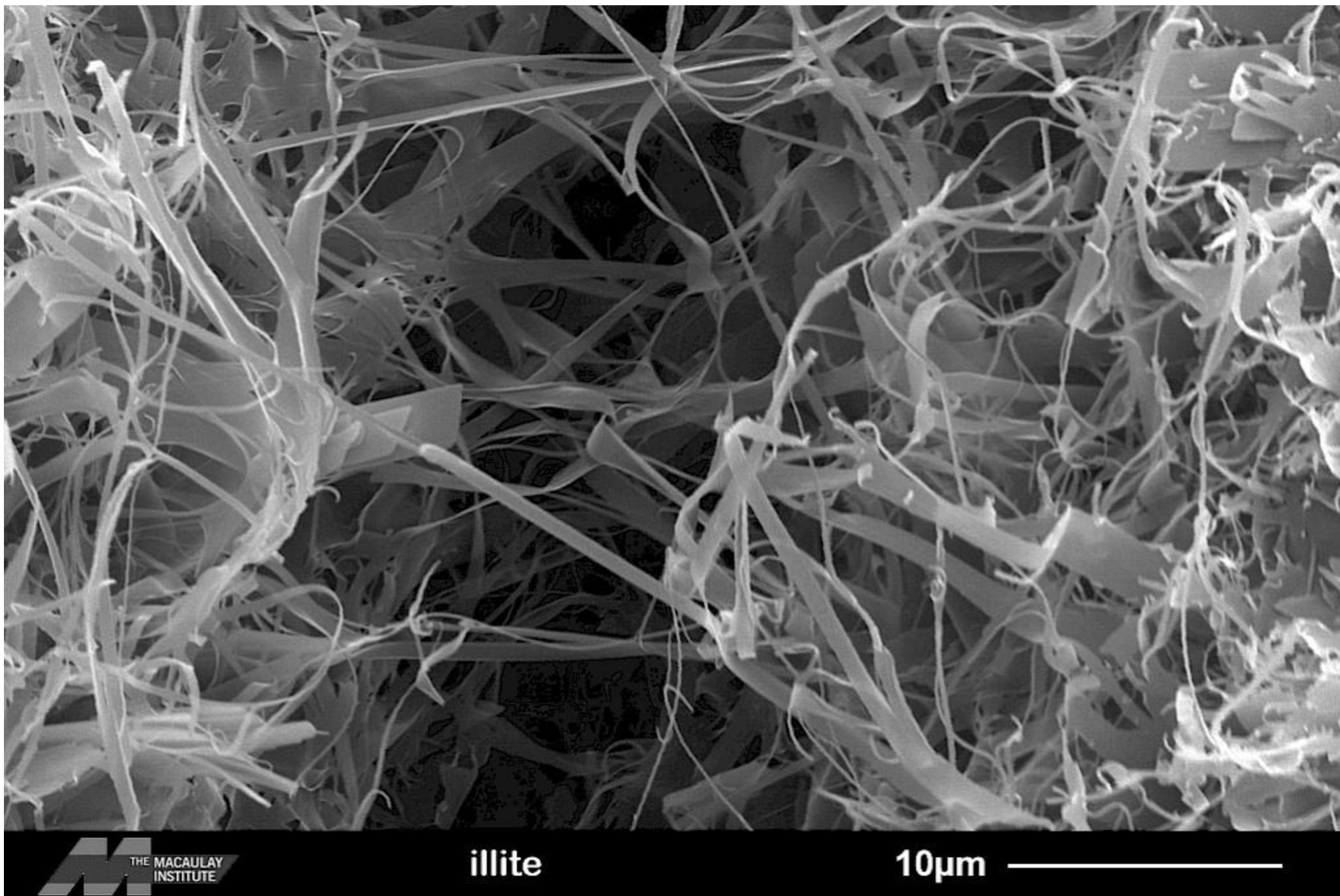
10 μm

10 43 SEI

Ilita e clorita



illita

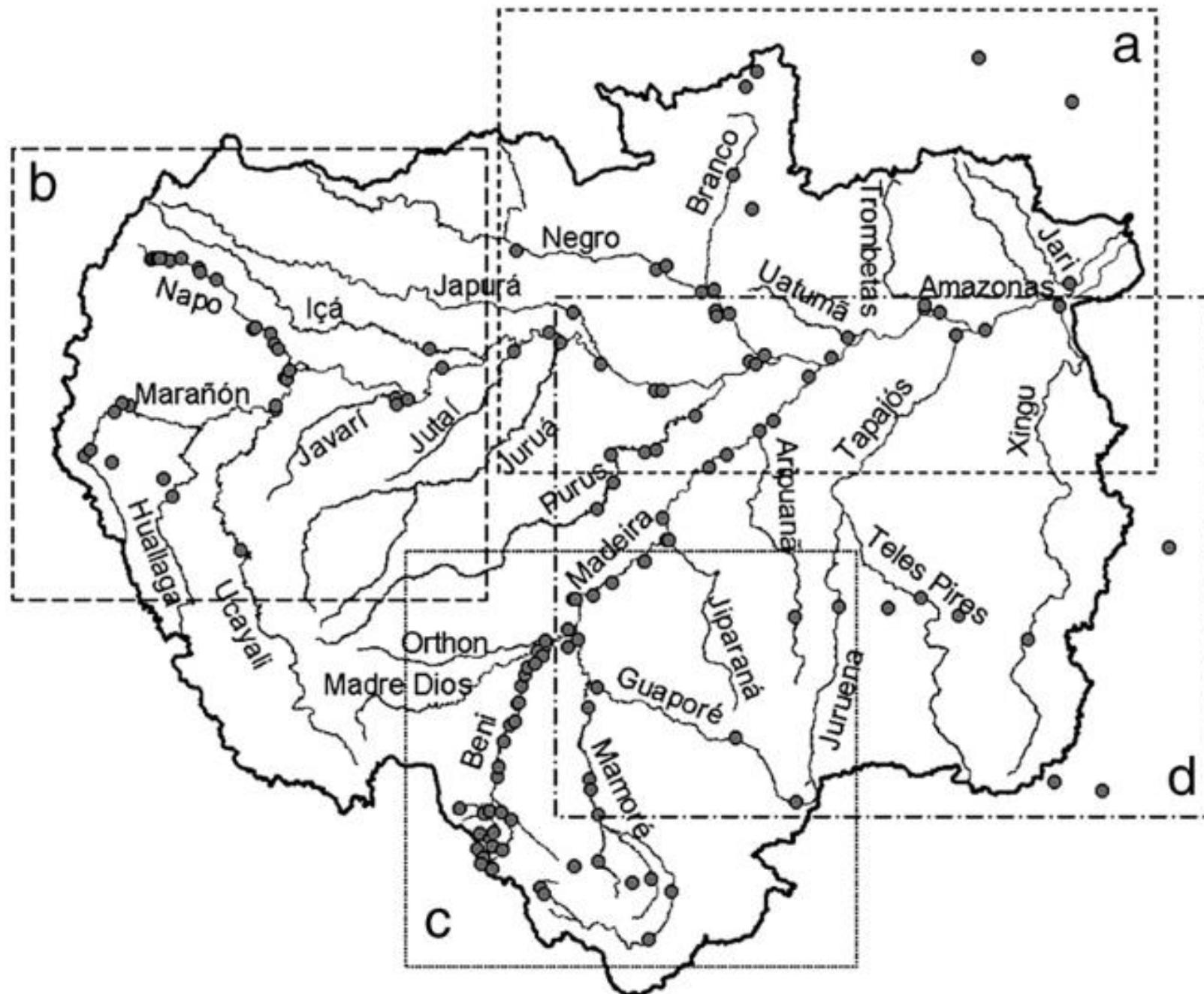


illite

10µm



@ Gabriel Heusi



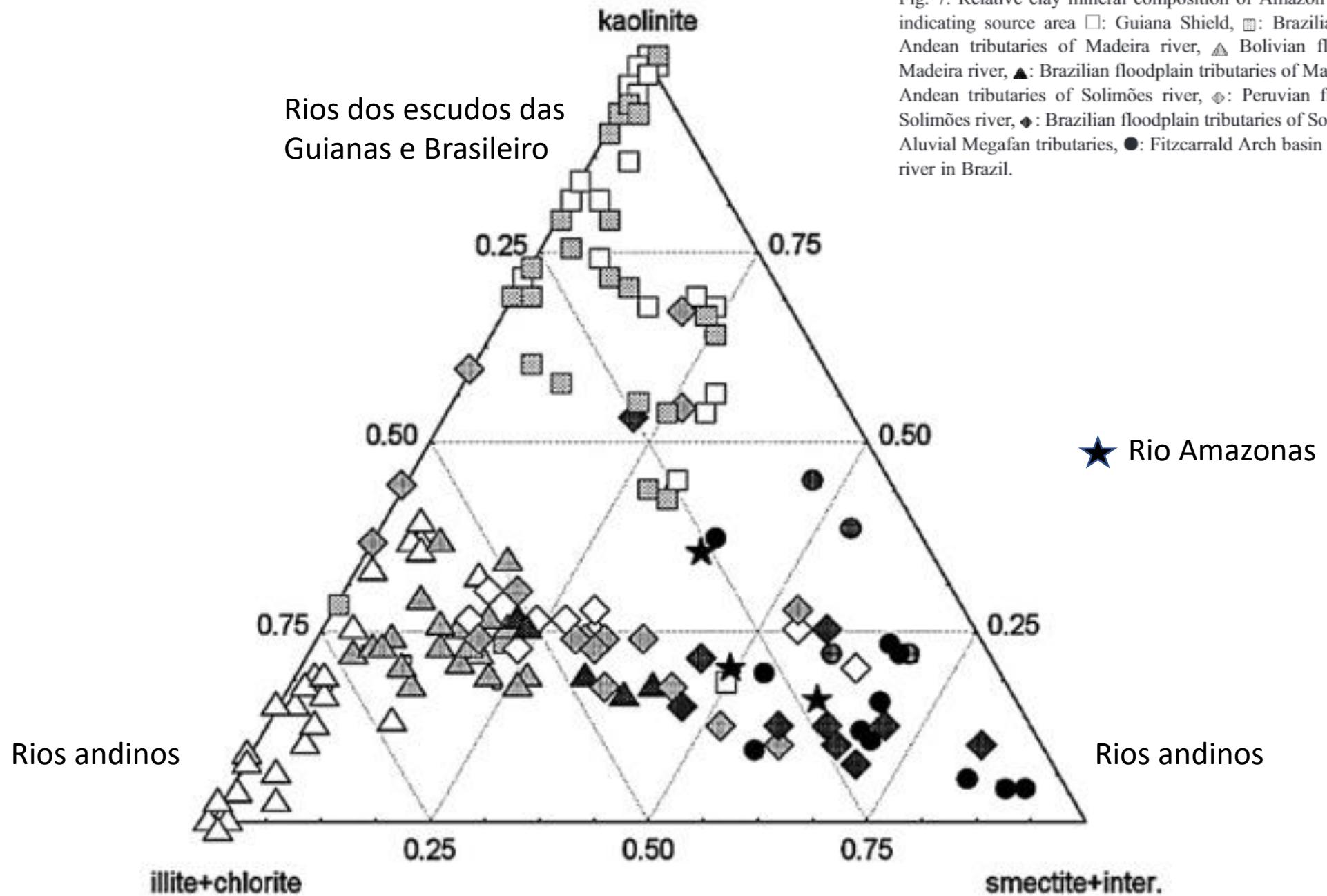
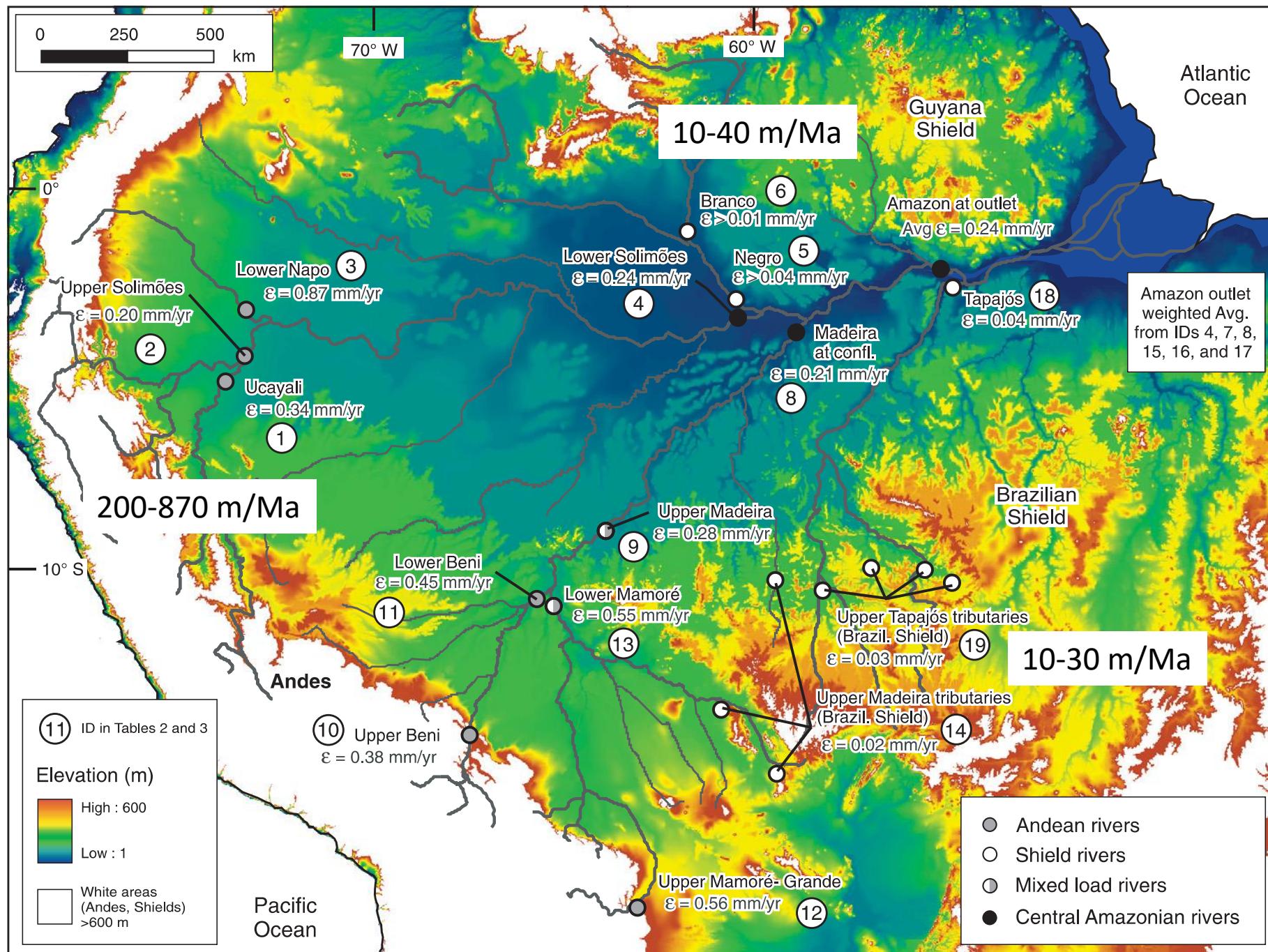
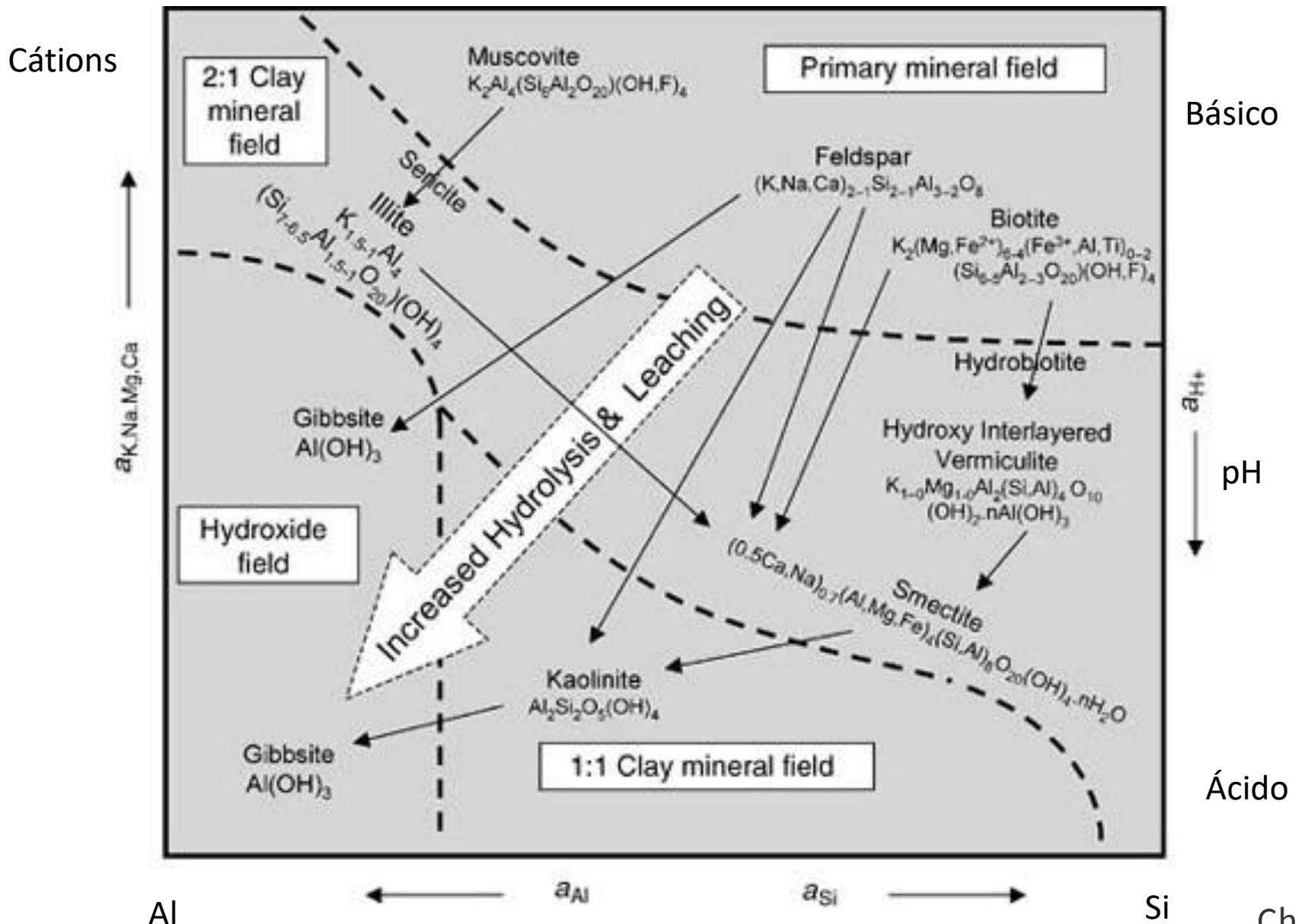


Fig. 7. Relative clay mineral composition of Amazon River basin tributaries, indicating source area □: Guiana Shield, ■: Brazilian Shield, △: Bolivian Andean tributaries of Madeira river, ▲: Bolivian floodplain tributaries of Madeira river, ▲: Brazilian floodplain tributaries of Madeira river, ◇: Peruvian Andean tributaries of Solimões river, ◇: Peruvian floodplain tributaries of Solimões river, ◆: Brazilian floodplain tributaries of Solimões river, ●: Pastaza Aluvial Megafan tributaries, ●: Fitzcarrald Arch basin tributaries, ★: Amazon river in Brazil.



Formação de argilominerais em solos



Espodossolo



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Clay mineral composition of river sediments in the Amazon Basin

J.L. Guyot ^{a,*}, J.M. Jouanneau ^b, L. Soares ^{b,c}, G.R. Boaventura ^c, N. Maillet ^b, C. Lagane ^d

^a Institut de Recherche pour le Développement (IRD) Laboratoire des Mécanismes de Transfert en Géologie (UMR LMTG), Casilla 18-1209, Lima 18, Peru

^b Université Bordeaux1, EPOC, CNRS, avenue des facultés 33405 Talence cedex, France

^c Instituto de Geociências, Universidade de Brasília Campus Universitário Darcy Ribeiro, ICC Centro, 70910-900, Brasília, Brazil

^d Institut de Recherche pour le Développement (IRD) Laboratoire des Mécanismes de Transfert en Géologie (UMR LMTG)38,
rue des 36 ponts, F-31400 Toulouse, France

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Temas para pesquisa (Portfólio)

- Argilominerais autigênicos indicadores de ambientes de sedimentação
- Métodos de análise granulométrica
- Métodos analíticos de identificação de argilominerais