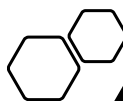




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Assessment of Tourmaline Composition as a Vectoring Tool for Sn-W Deposits: The Góis-Panasqueira-Segura belt (Central Portugal)

Miguel Gaspar, Isabel R. Costa, António Mateus,
Ivo Martins, and Pedro Rodrigues

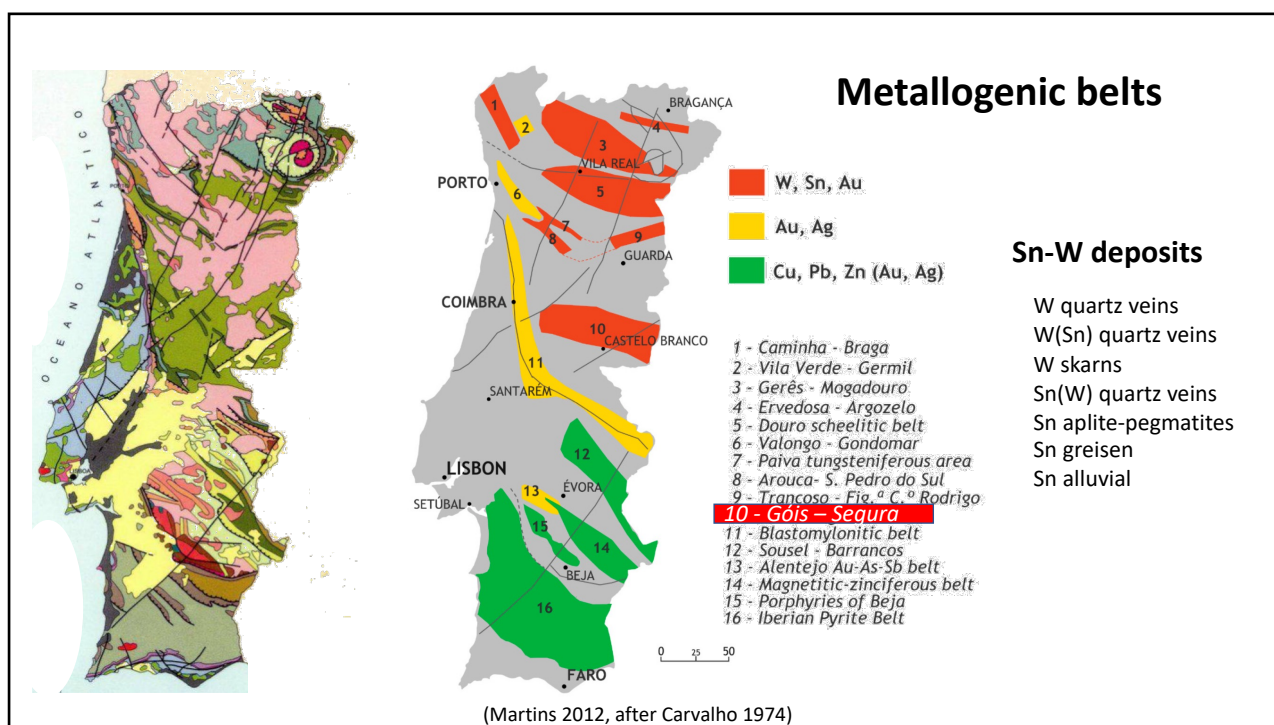


Ciências
ULisboa



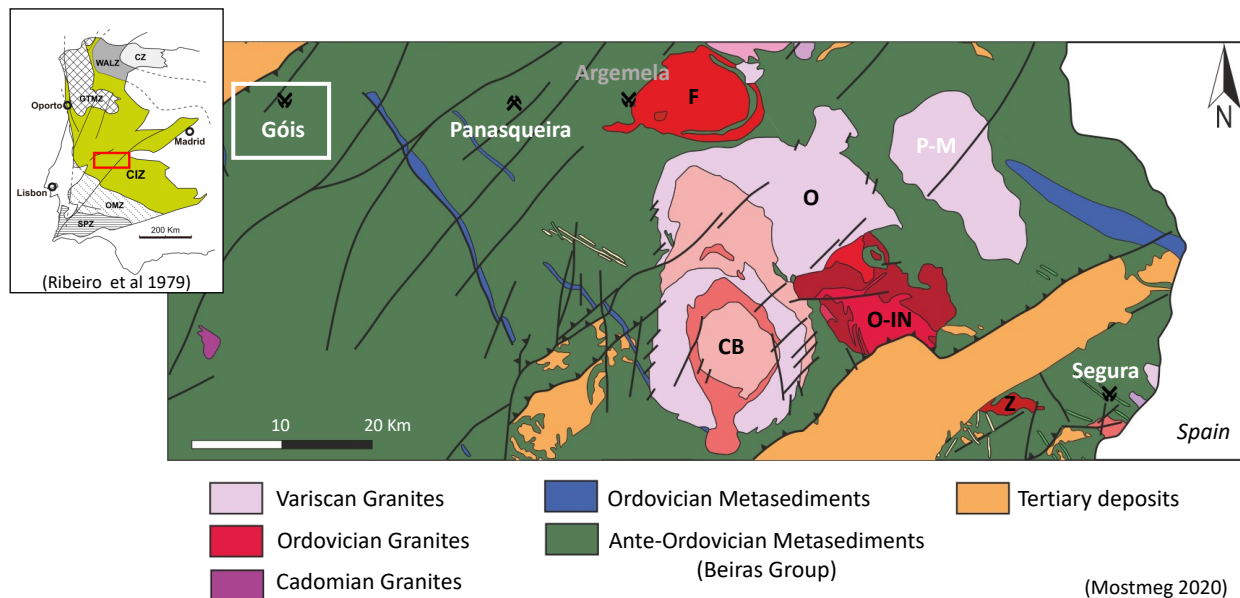
INSTITUTO
DOM LUIZ

1



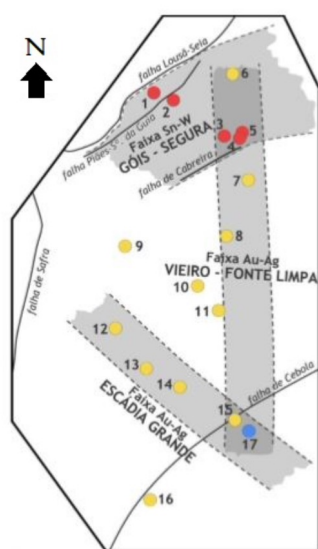
2

Góis-Panasqueira-Segura Sn-W belt (Central Portugal)



3

Góis – Vale Pião deposit



Mineral occurrences

(Sn-W)

- 1 – Vale Moreiro – Casal Loureiro
- 2 – Senhora da Guia
- 3 – Rabadão

4 – Vale Pião

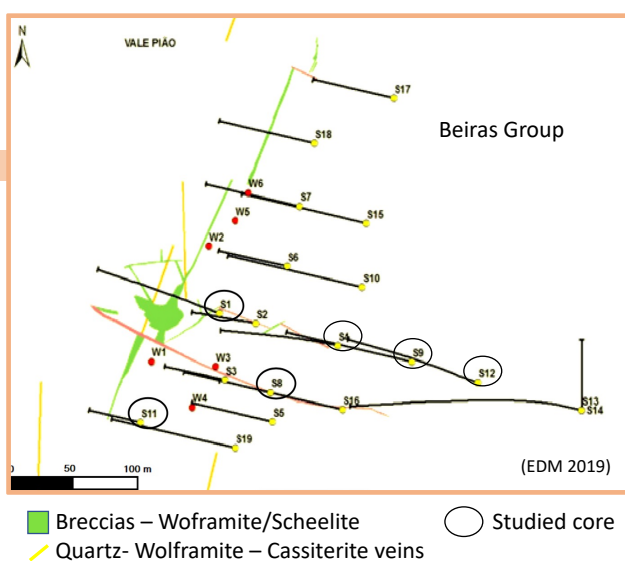
- 5 – Barroca de Amiães

(Au-Ag)

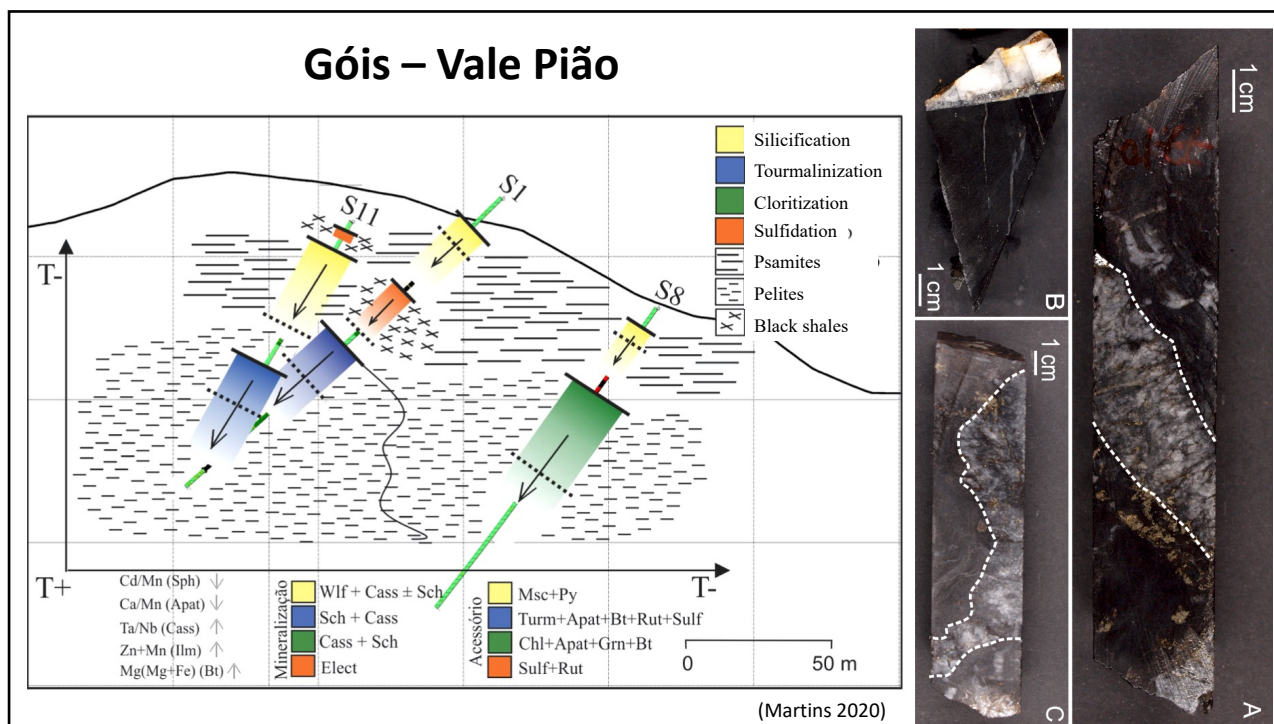
- 6 – Vieiro
- 7 – Cadafaz
- 8 – Corterredor
- 9 – Cerdeira
- 10 – Mestras
- 11 – Cabeçadas
- 12 – Escádia Grande
- 13 – Roda Cimeira
- 14 – Roda Fundeira
- 15 – Fonte Limpa
- 16 – Alvares

(Sb-Au)

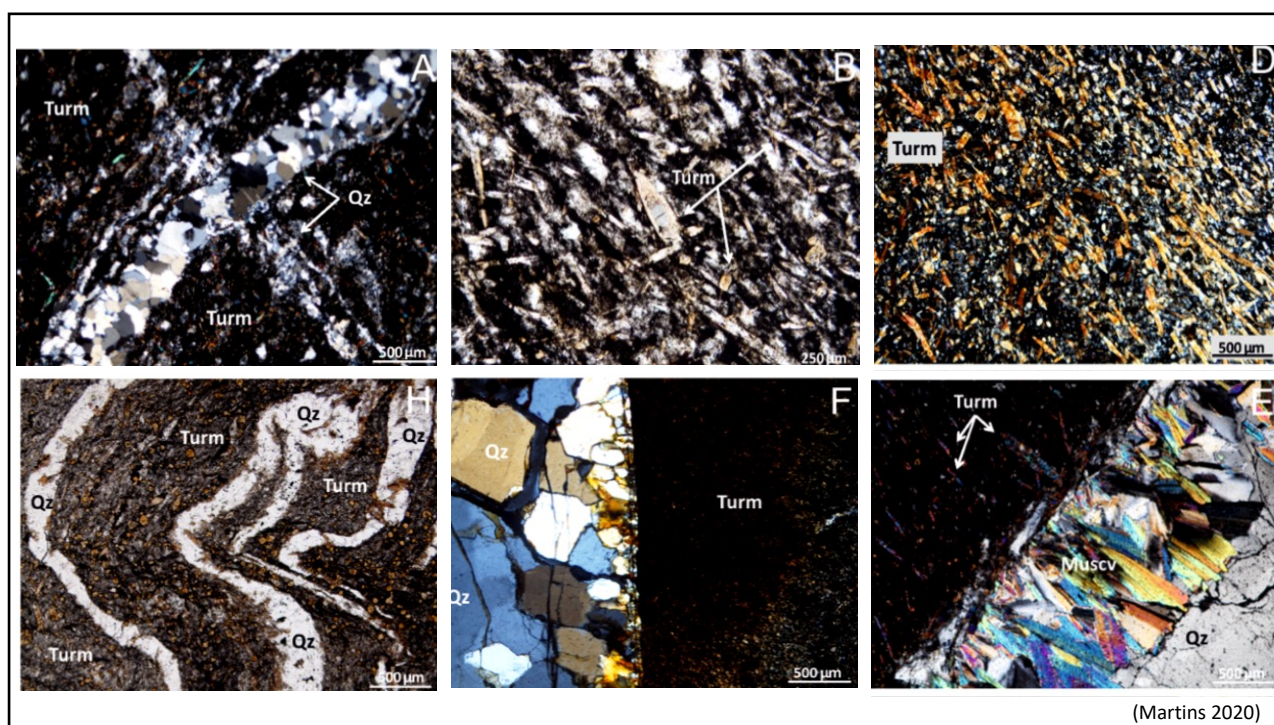
- 17 – Vale Torto



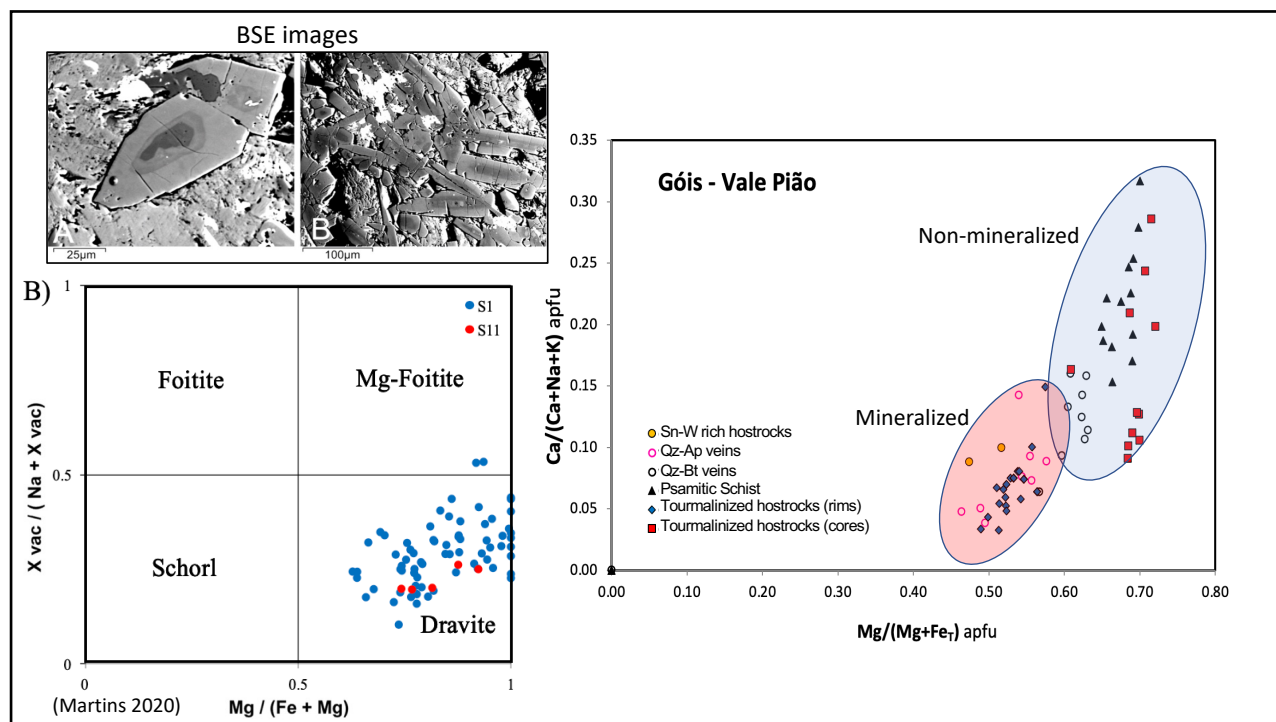
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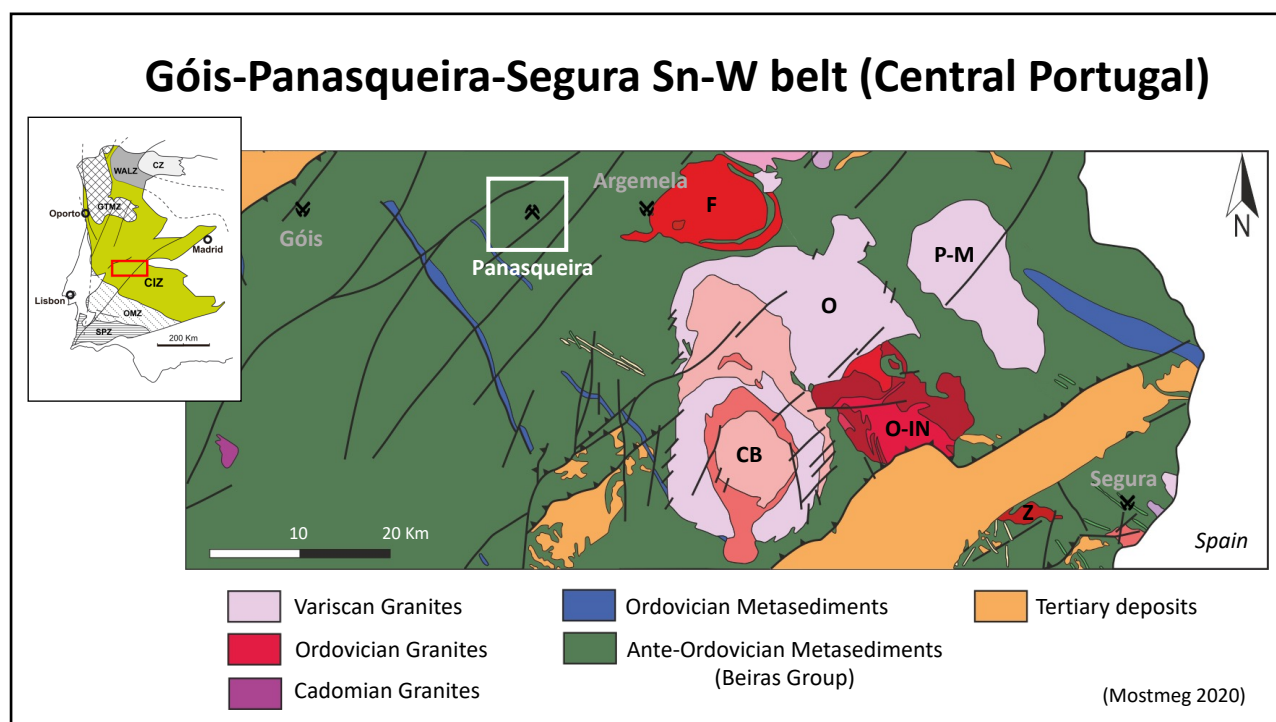
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6

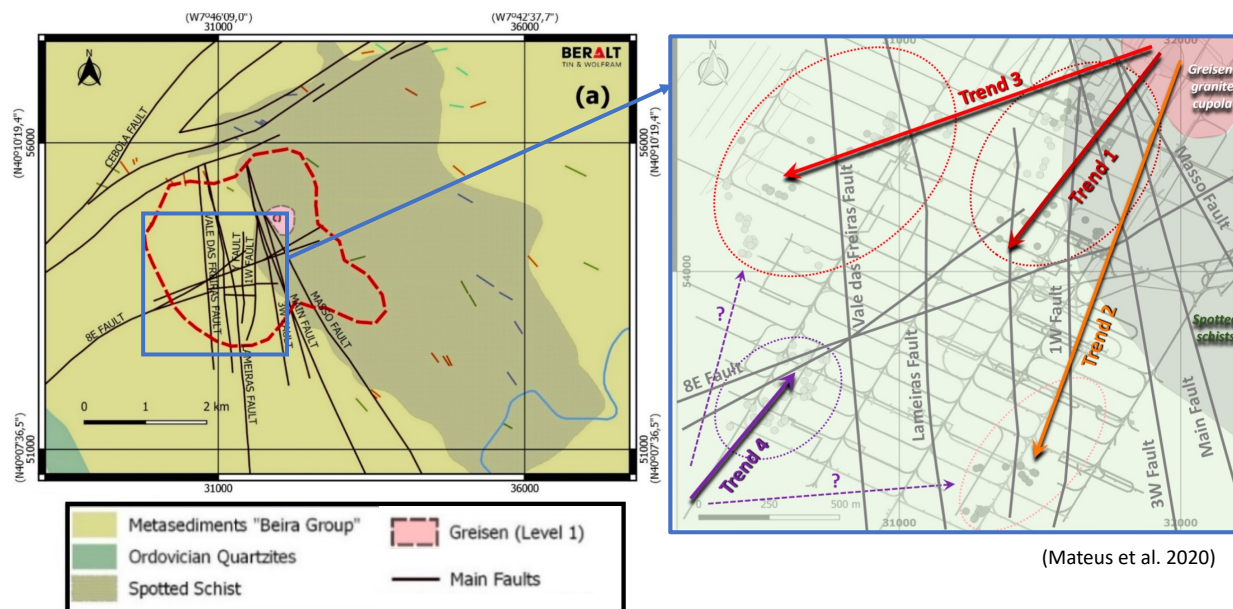


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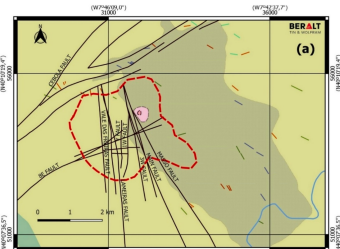
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Panasqueira W-Sn-(Cu) deposit

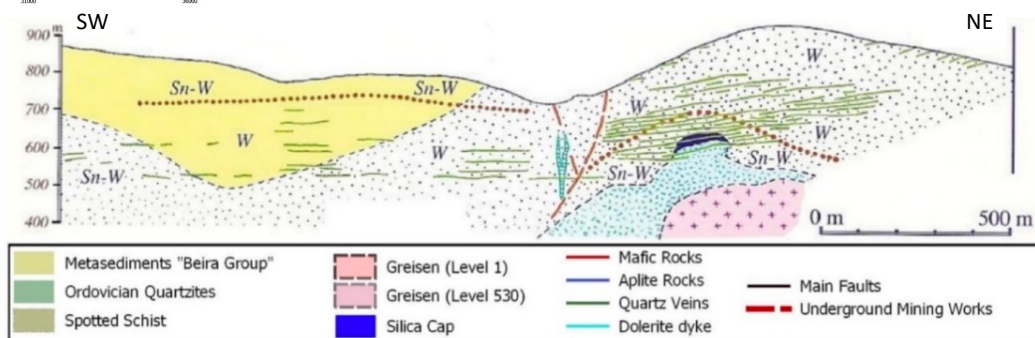


9

Panasqueira W-Sn-(Cu) deposit

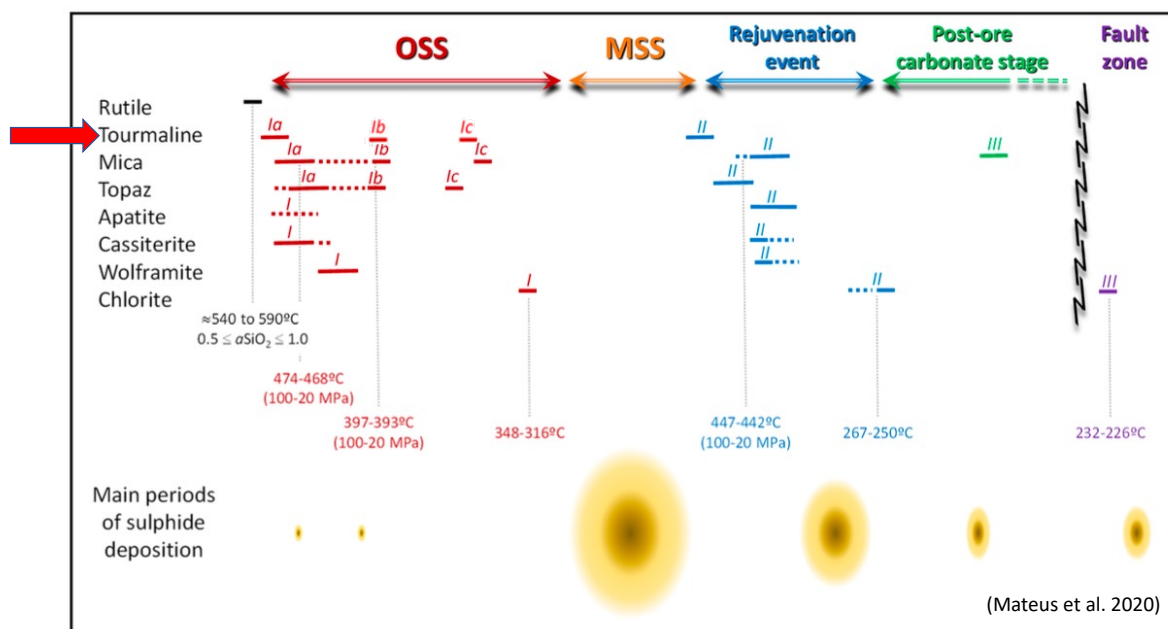


- W quartz veins
- W(Sn) quartz veins
- Sn(W) quartz veins
- Sn greisen



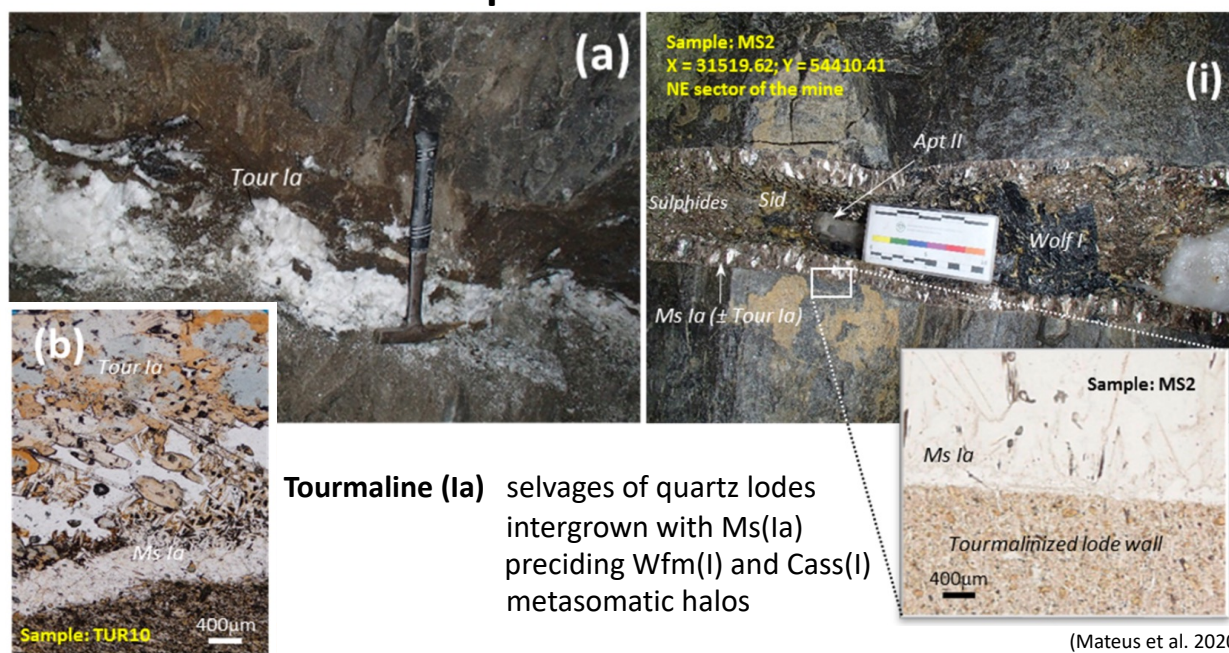
10

Simplified paragenetic sequence of Panasqueira deposit



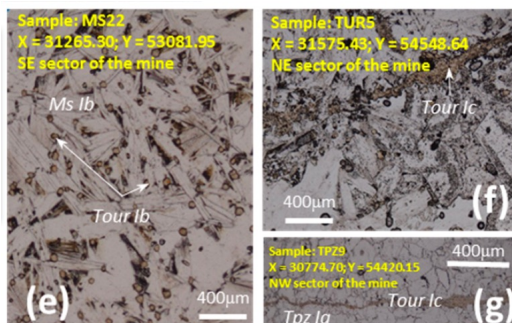
11

Panasqueira - Tourmaline



12

Panasqueira - Tourmaline



Tourmaline Ib – Intergrown with MS(II) thin selvages with Tpz

Tourmaline Ic – veinlet structures

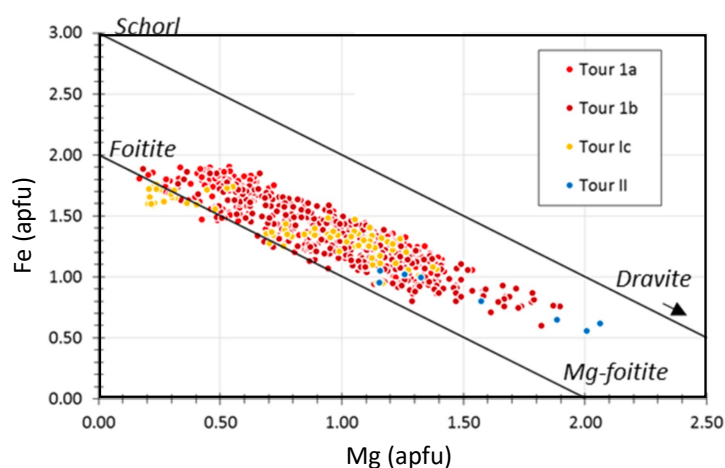
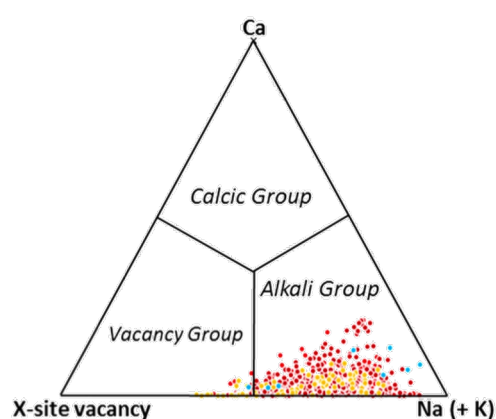
Tourmaline II – in selvages and reopening of Qz veins with Cst II and Ap II (OSS2)



(Mateus et al. 2020)

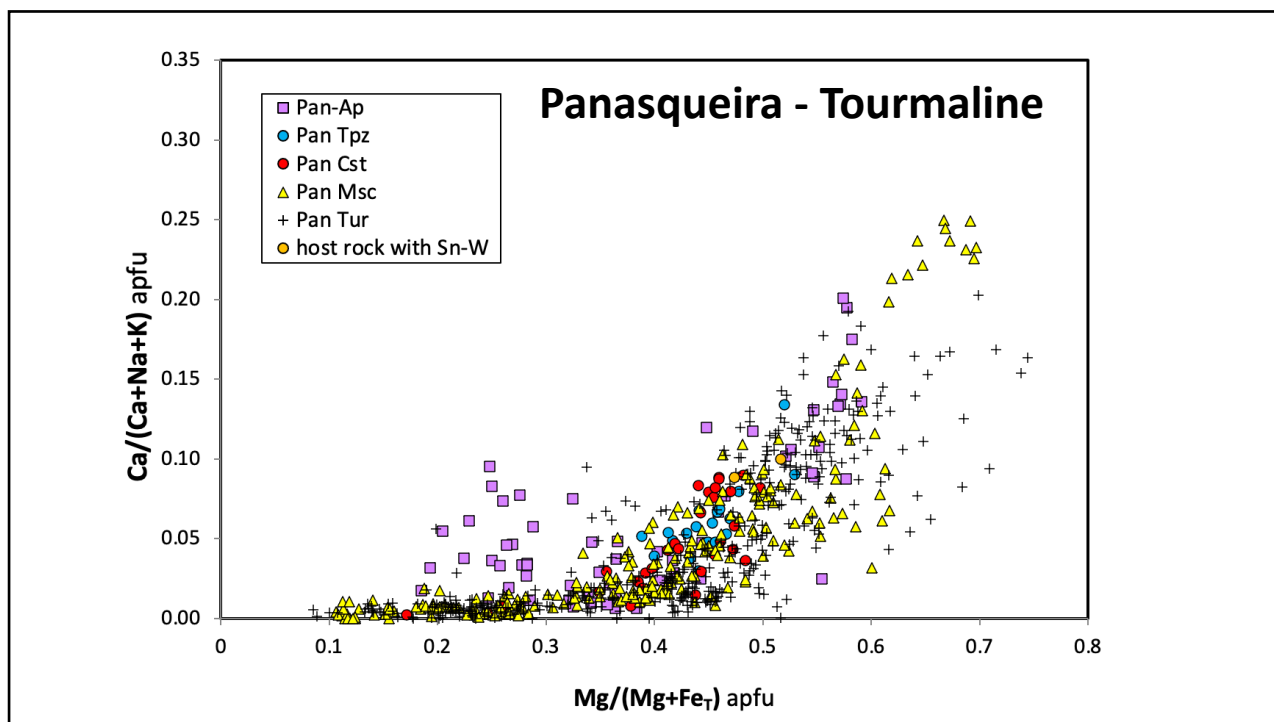
13

Panasqueira - Tourmaline

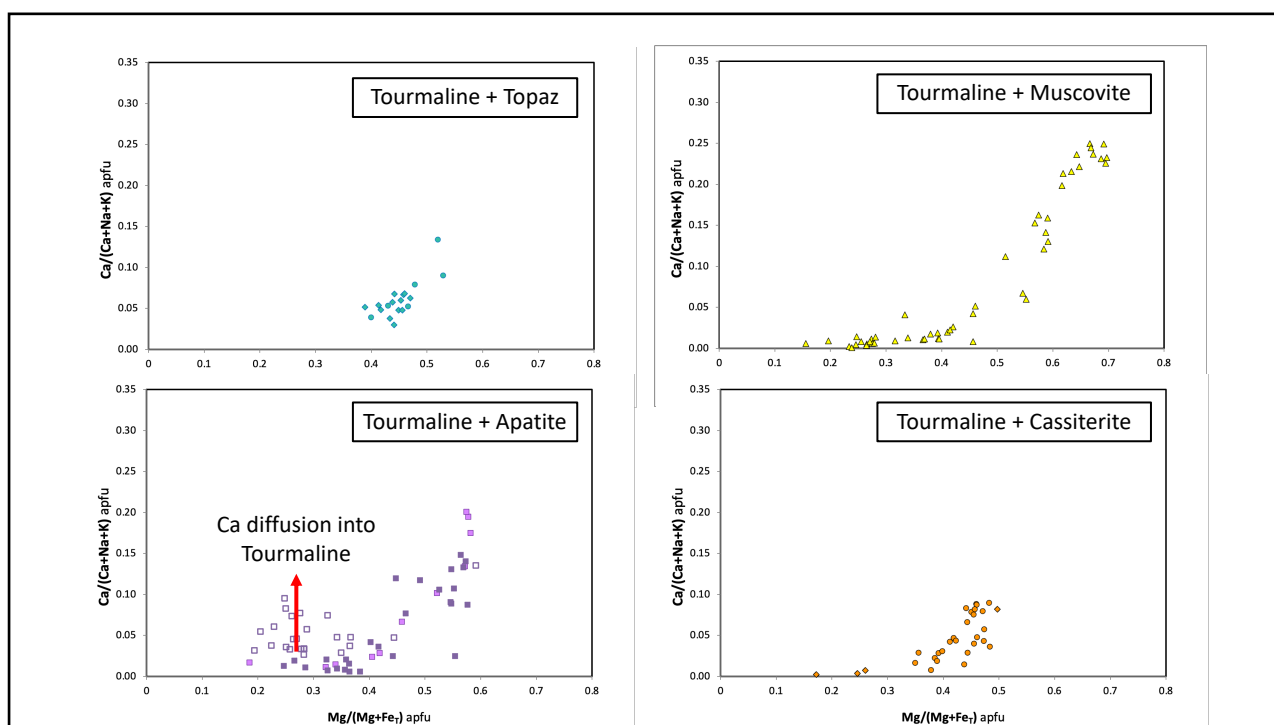


(Mateus et al. 2020)

14

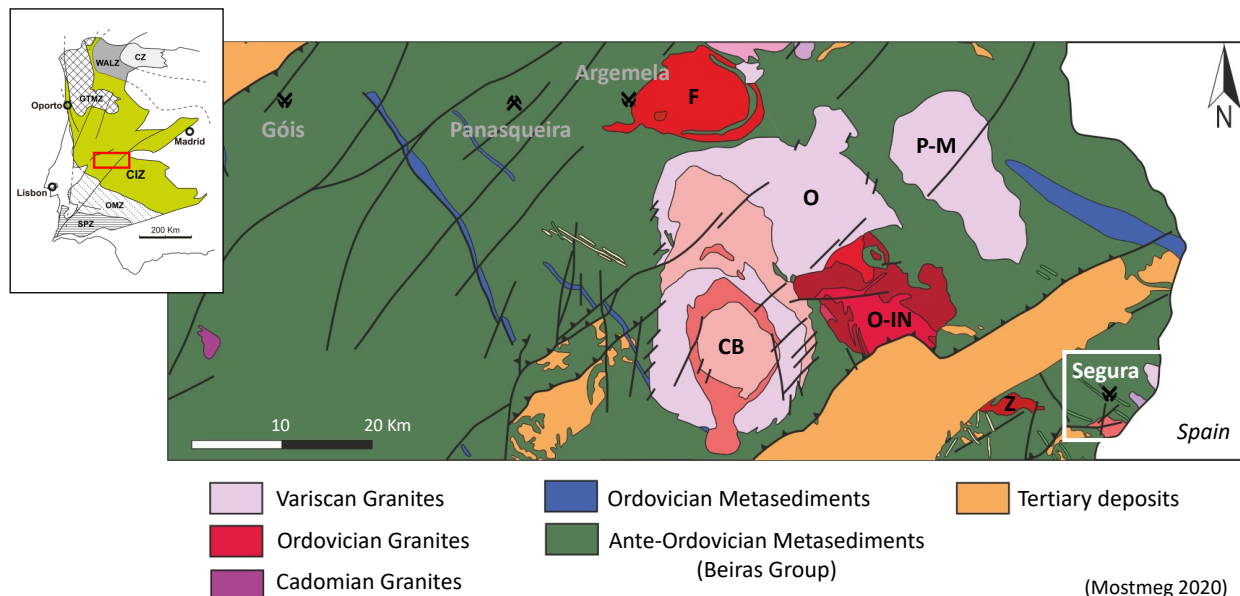


15



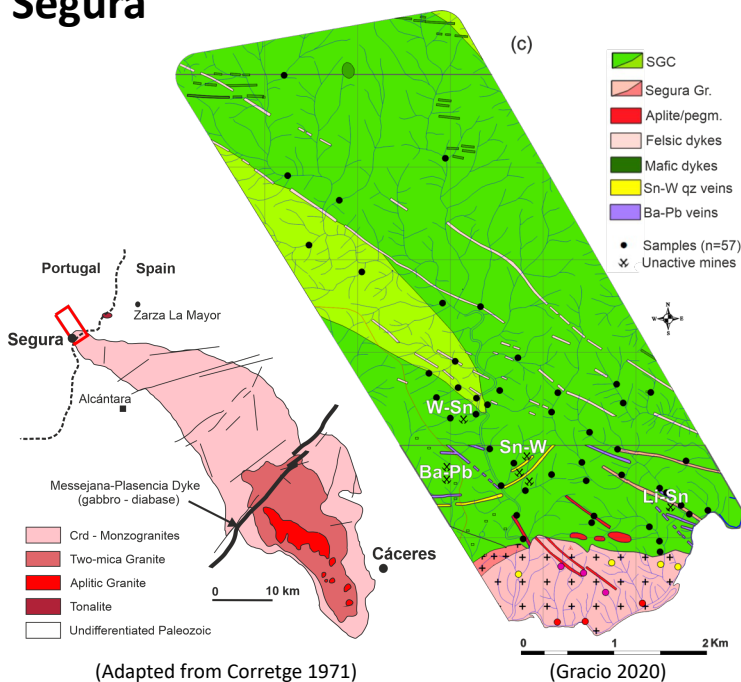
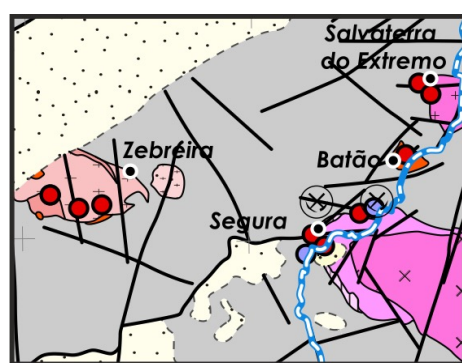
16

Góis-Panasqueira-Segura Sn-W belt (Central Portugal)

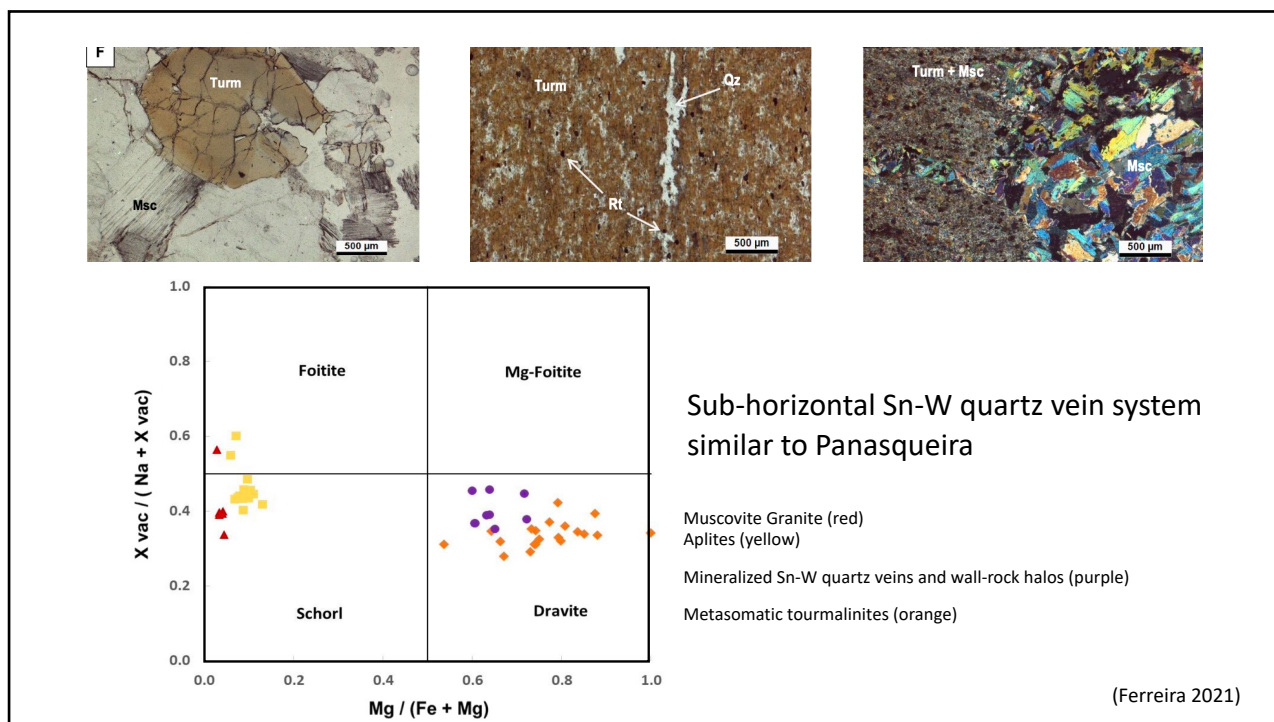


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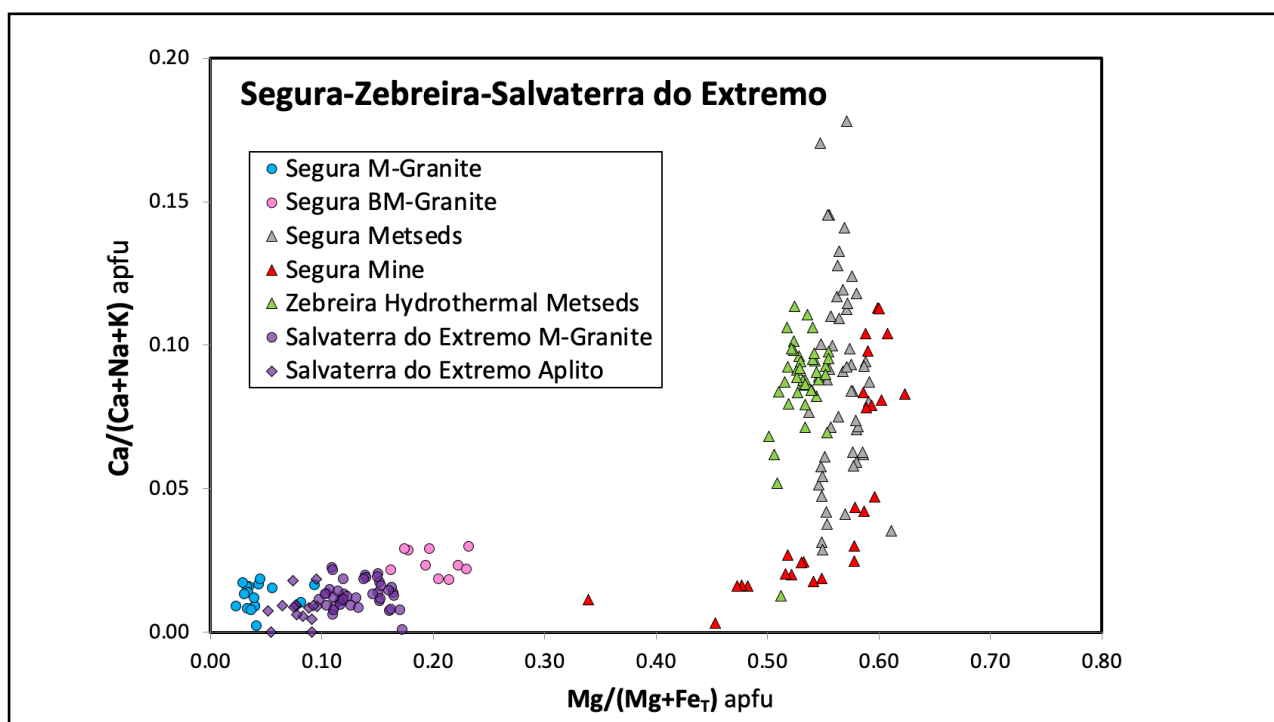
Segura



18

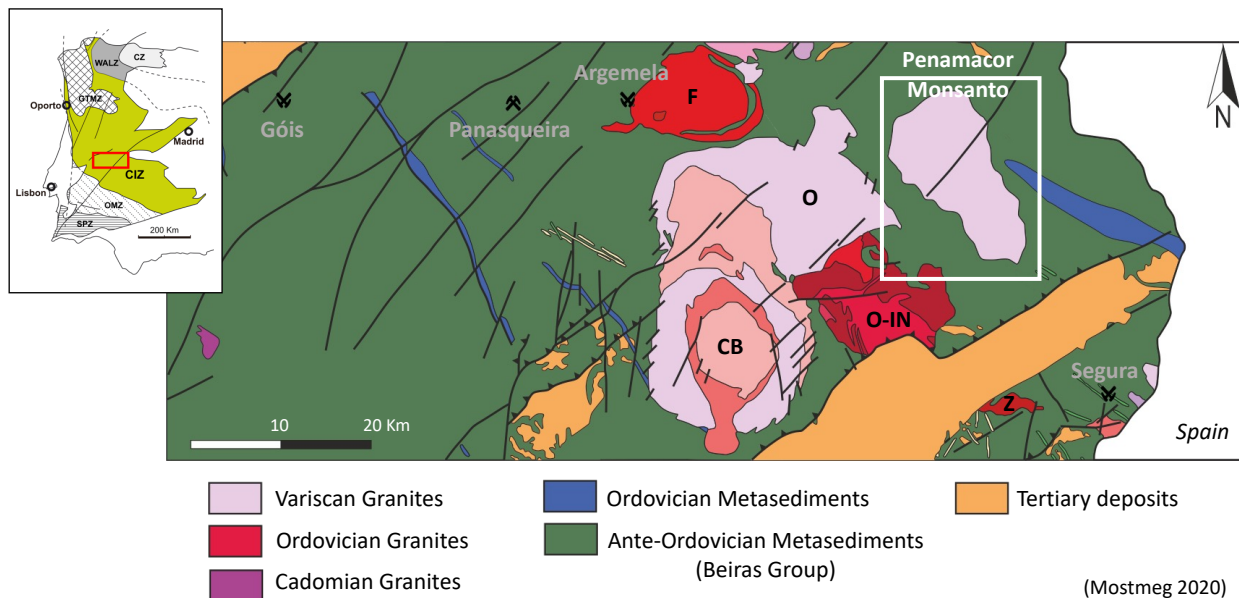


19



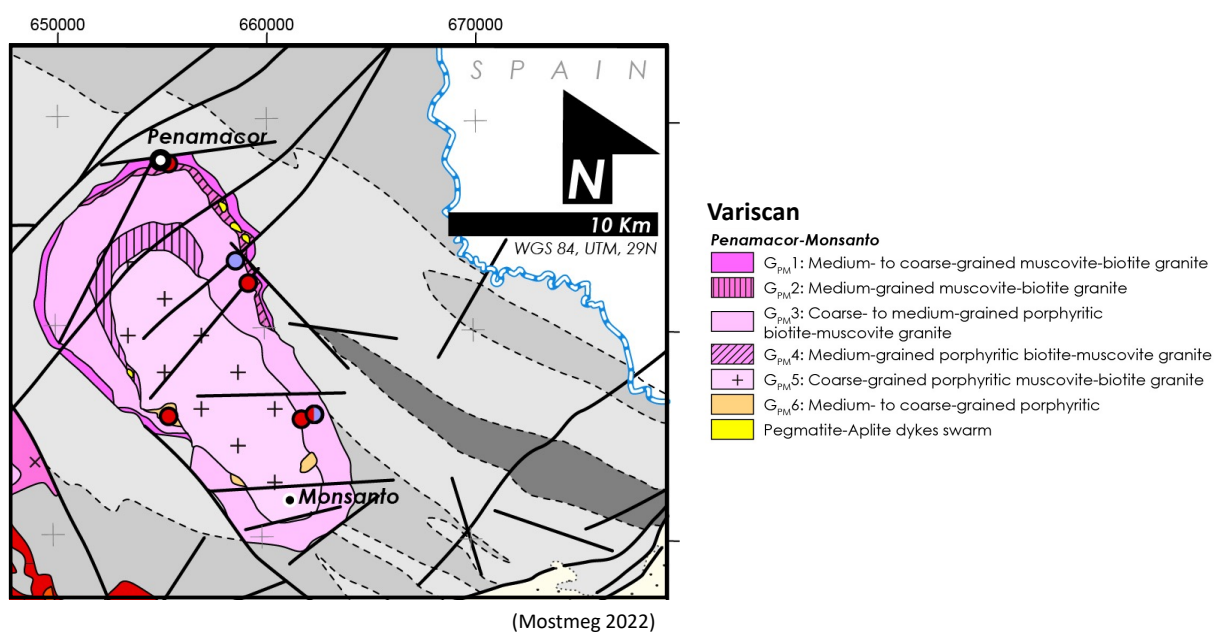
20

Góis-Panasqueira-Segura Sn-W belt (Central Portugal)

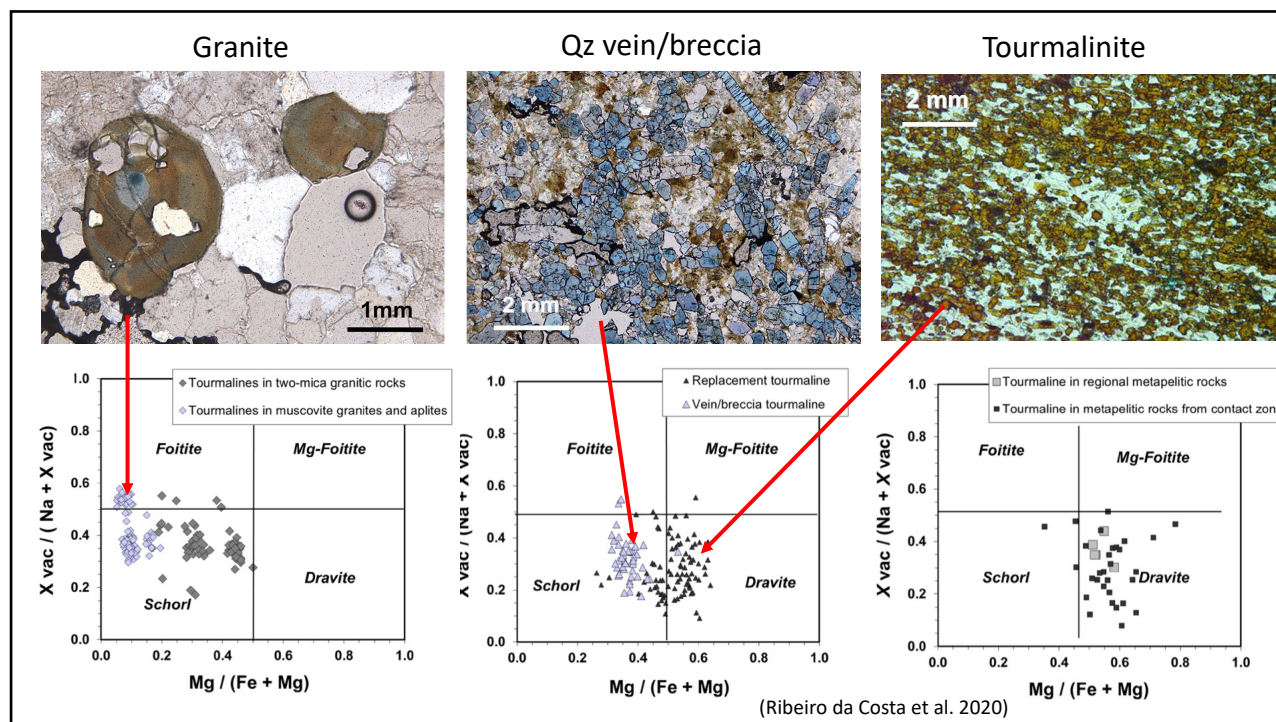


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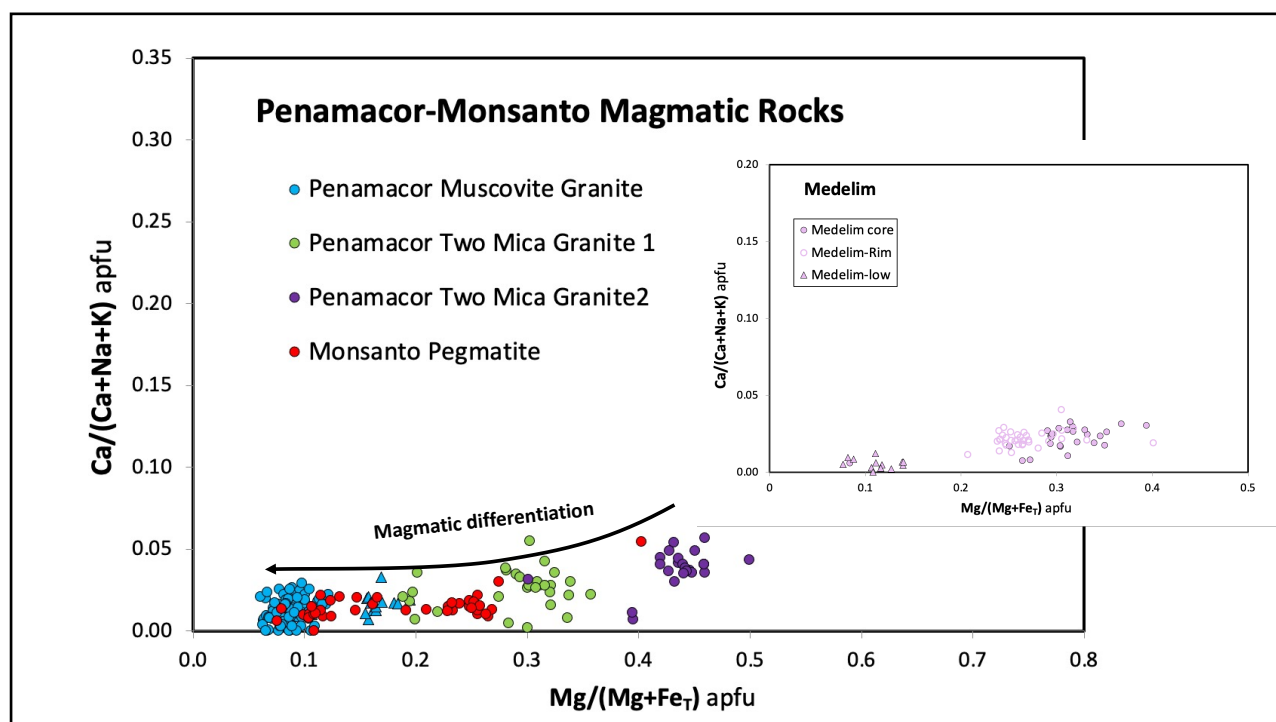
Penamacor-Monsanto



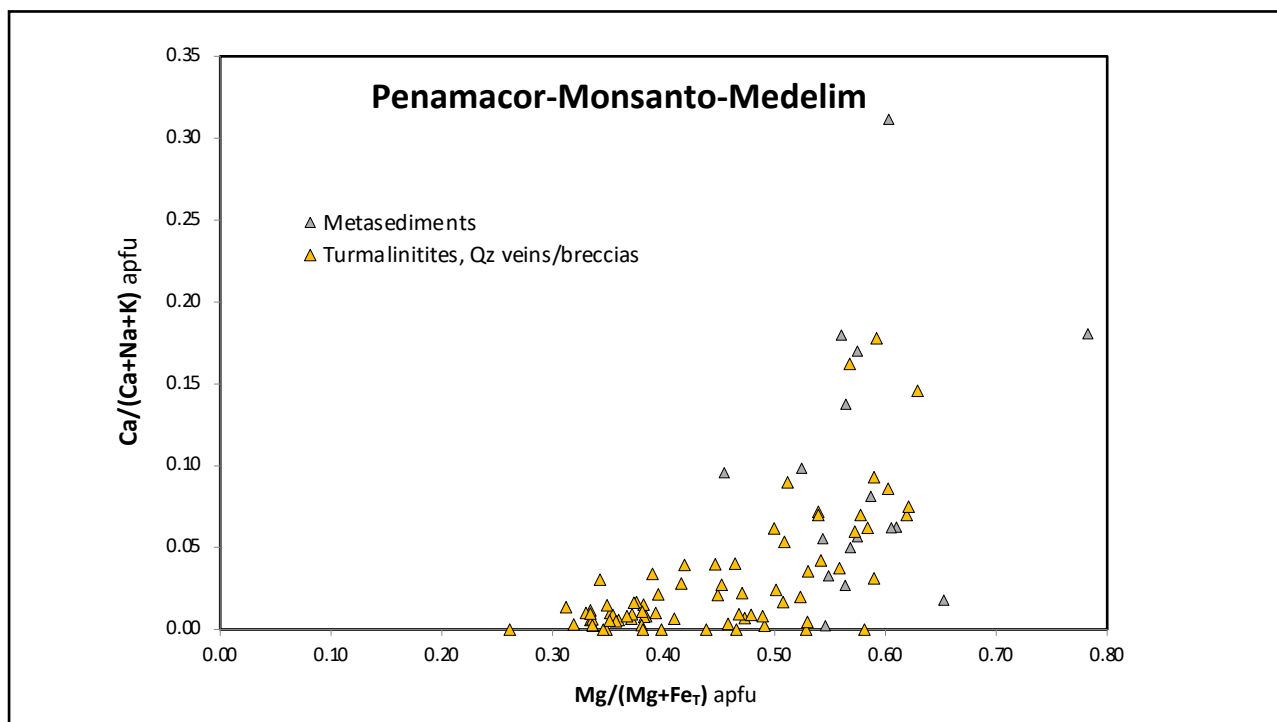
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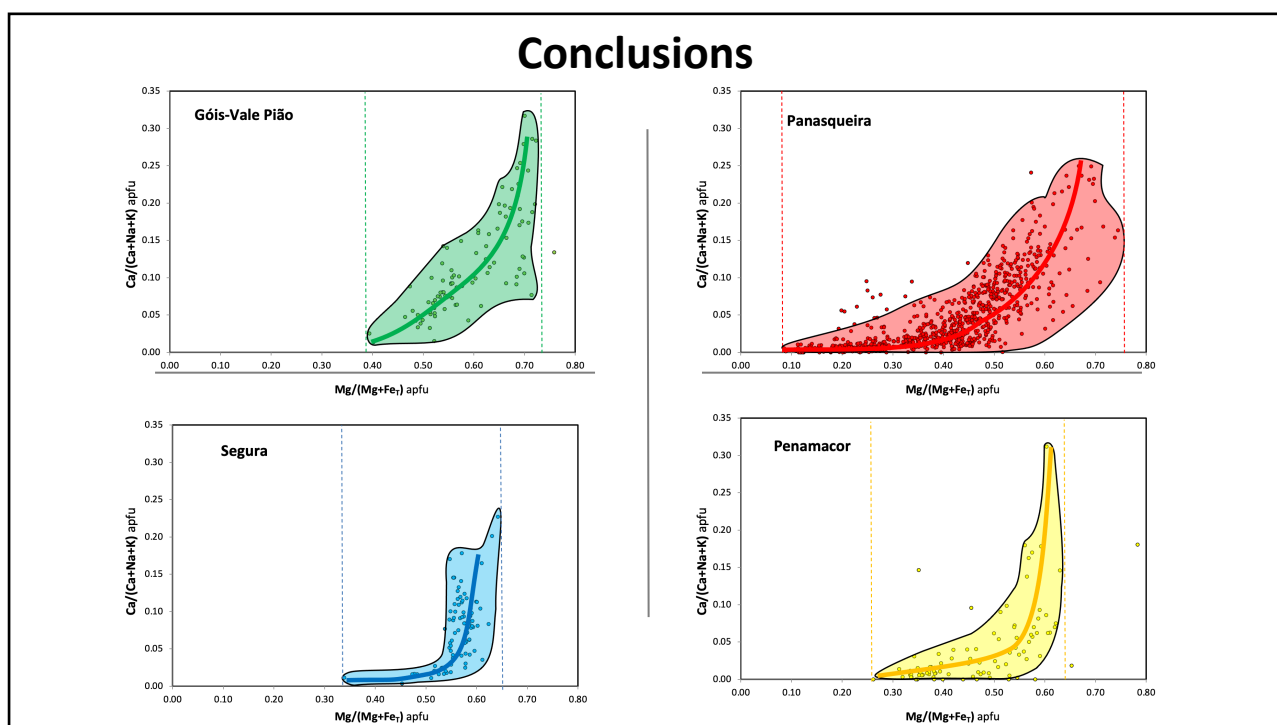
23



24

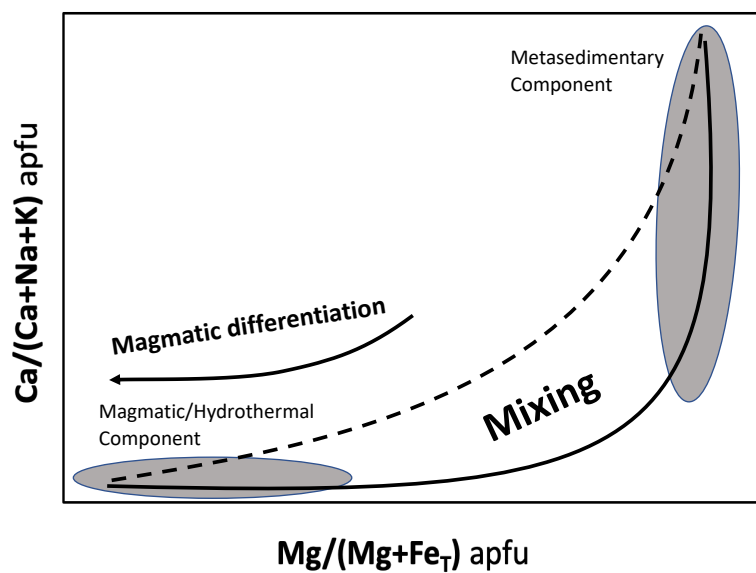


25



26

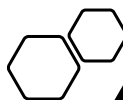
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Thank You



Ciências
ULisboa



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