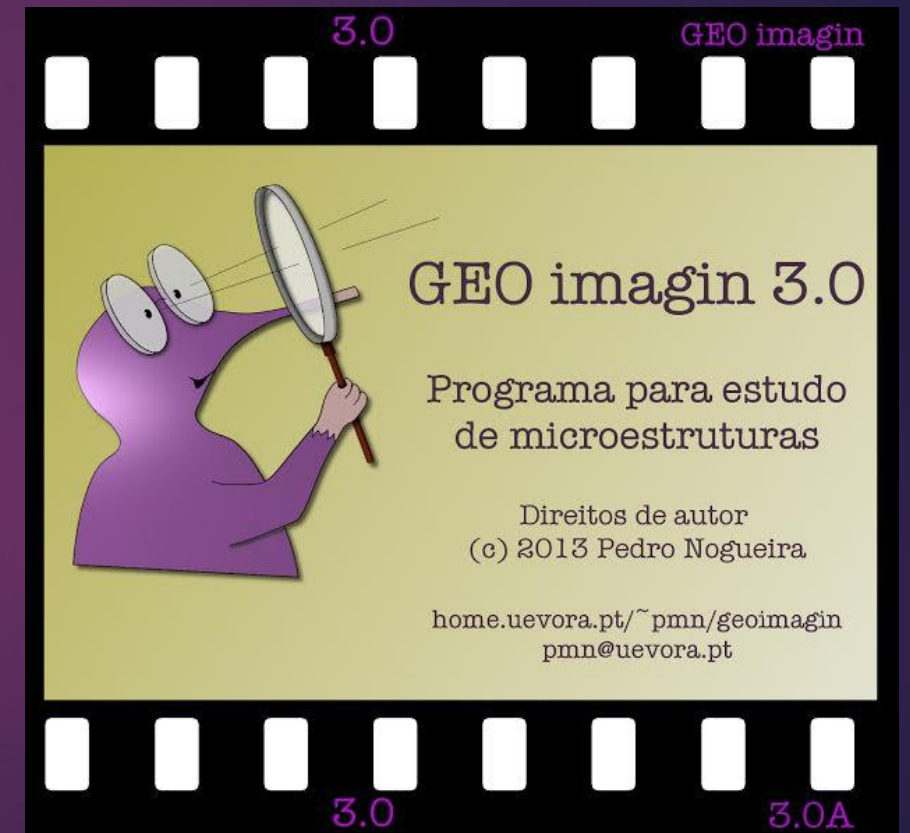


Geolmagin – uma plataforma Open Source para estudo de microestruturas geológicas

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Geolmagin

▶ SUMÁRIO

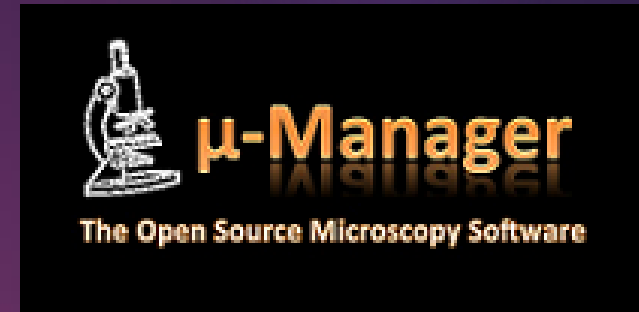
- ▶ História dos desenvolvimentos
- ▶ O que existe
- ▶ A importância de ter software livre
- ▶ Aquisição de imagens
- ▶ A plataforma de base
- ▶ O que foi desenvolvido
- ▶ O futuro

História

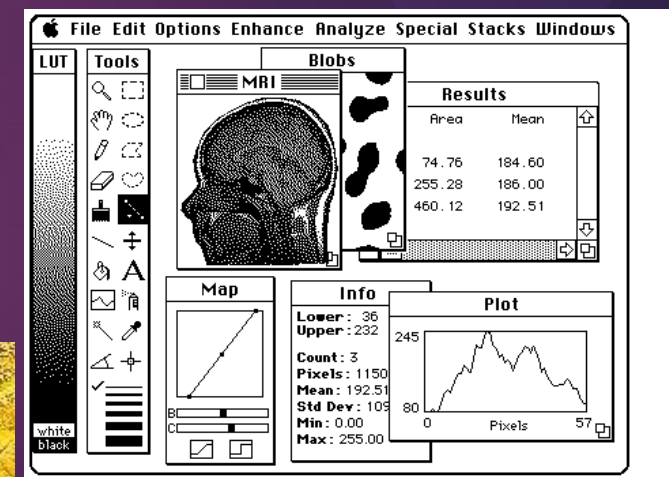
- ▶ Lespinasse, M., Pecher, A. (1986) – Microfracturing and regional stress field: a study of preferred orientations of fluid inclusion planes in a granite from the Massif Central, France. *Journal of Structural Geology* , 8, pp. 169-180.
- ▶ Nogueira, P. & Noronha, F., 1995. PLANIF: a computer program for the study of fluid inclusion planes. *Bol. Soc. Esp. de Mineralogia*, 18-1, pp.162-163

O que existe

- ▶ Planif (R.I.P.)
- ▶ imageJ
 - ▶ μ Manager
- ▶ NIG image
- ▶ Mirone



ImageJ
Image Processing and Analysis in Java



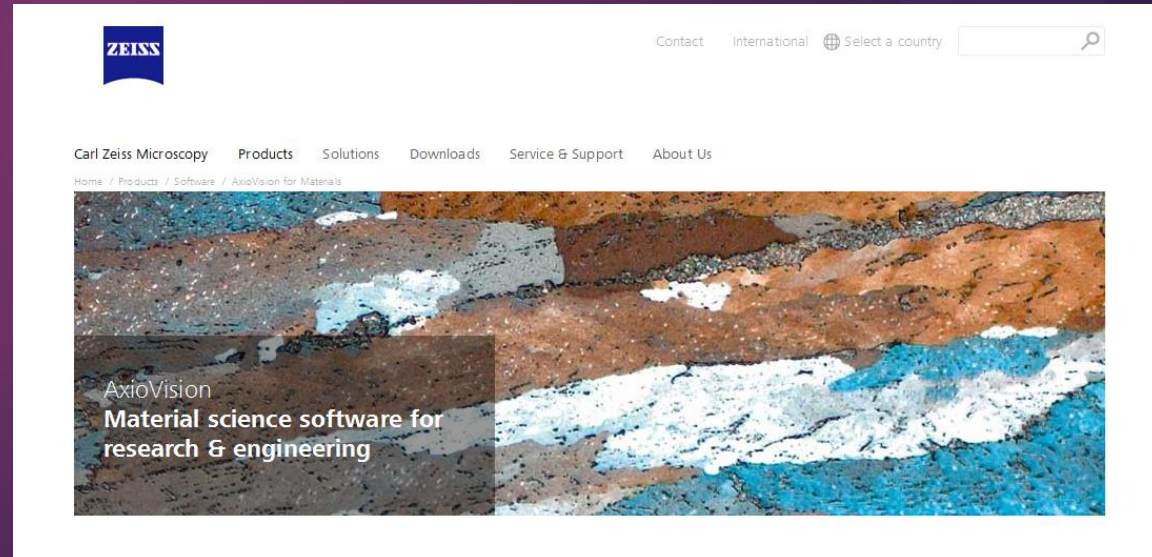
A importância do software livre

- ▶ Open source software is software that can be freely used, changed, and shared (in modified or unmodified form) by anyone. Open source software is made by many people, and distributed under [licenses](#) that comply with the [Open Source Definition](#).
- ▶ The Open Source Initiative (OSI) is a global non-profit that supports and promotes the open source movement. Among other things, we maintain the [Open Source Definition](#), and a [list of licenses](#) that comply with that definition. See our [about](#) and [history](#) pages for more.

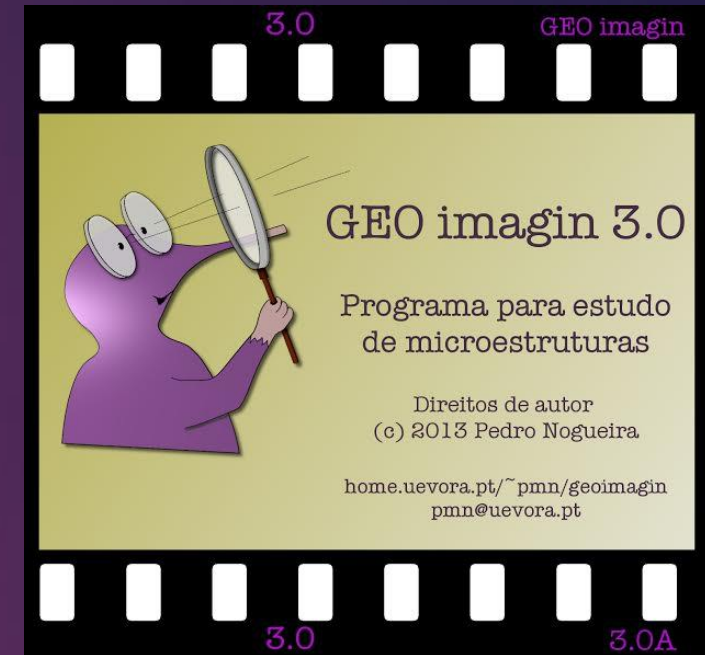
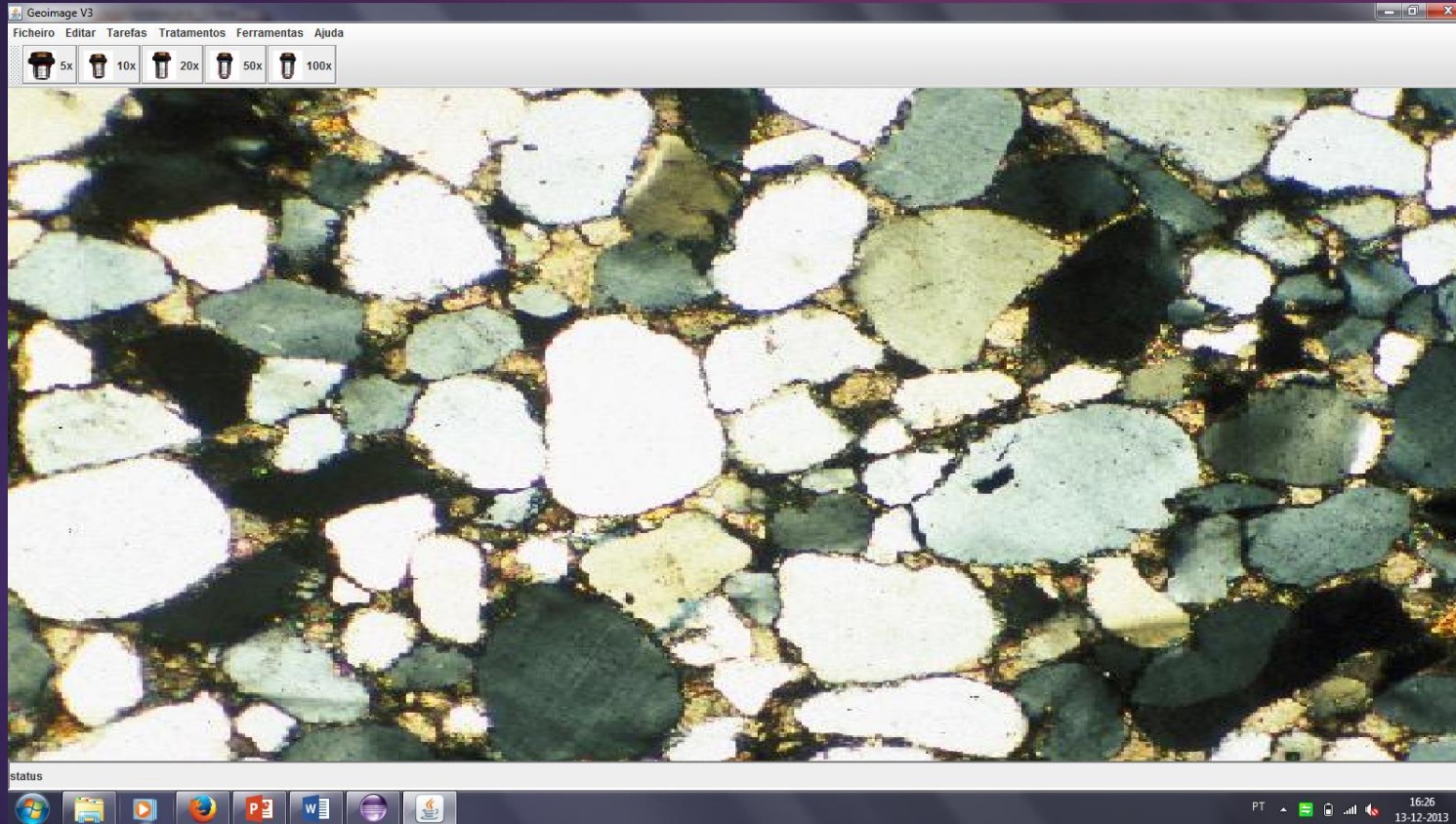


Aquisição de imagens

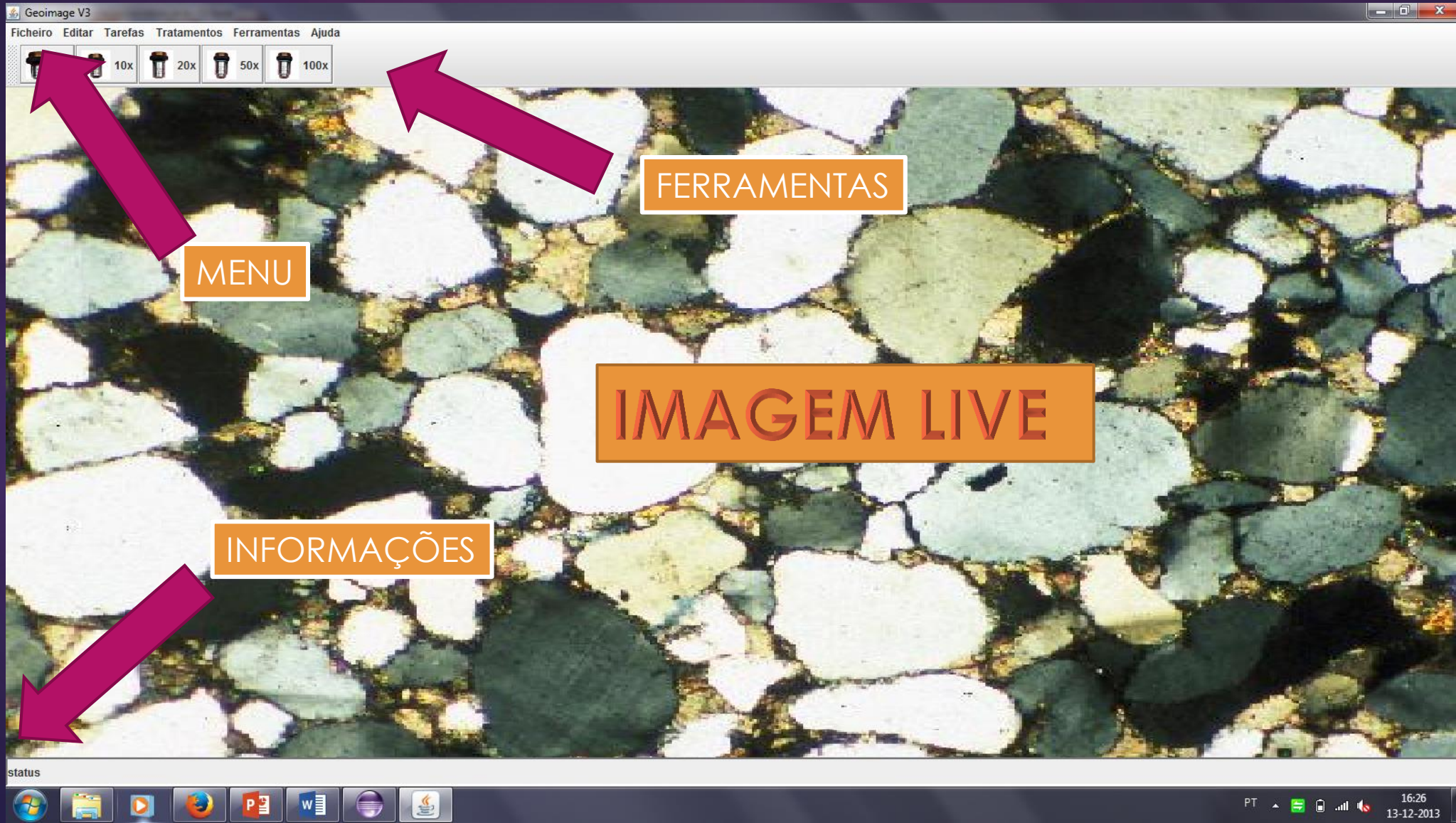
- Open Computer Vision (OpenCV)



A plataforma de base

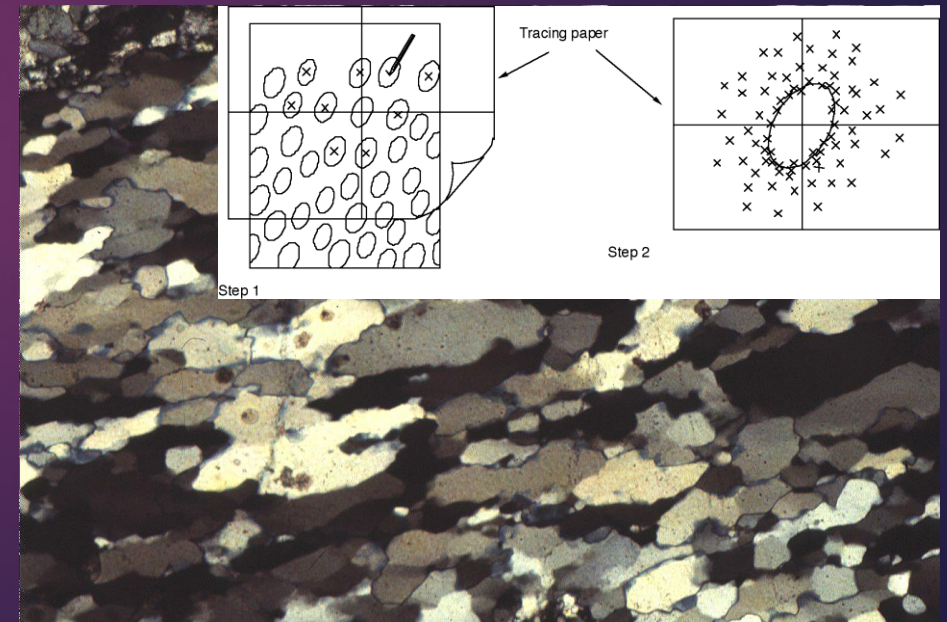
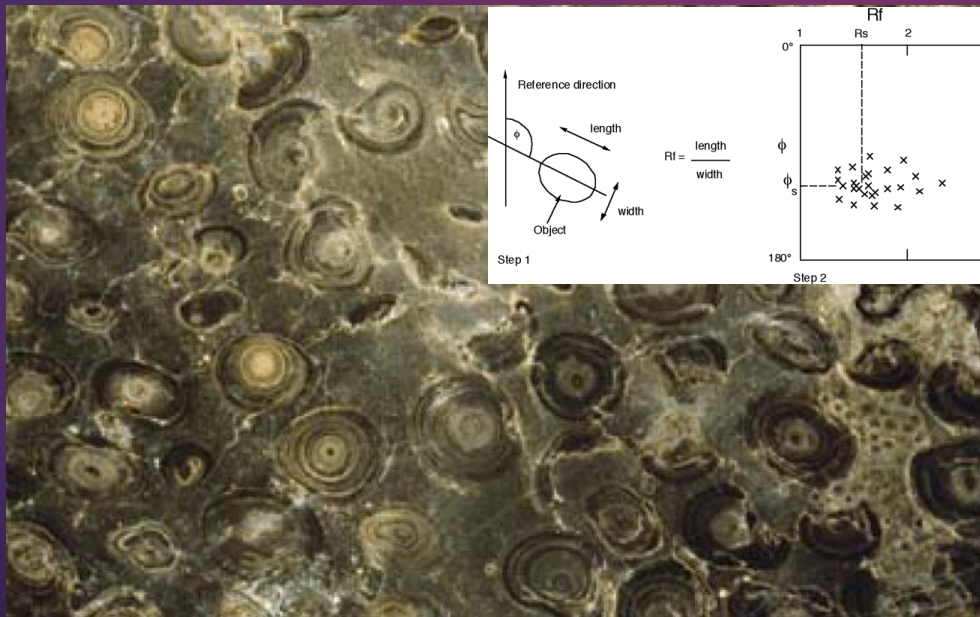
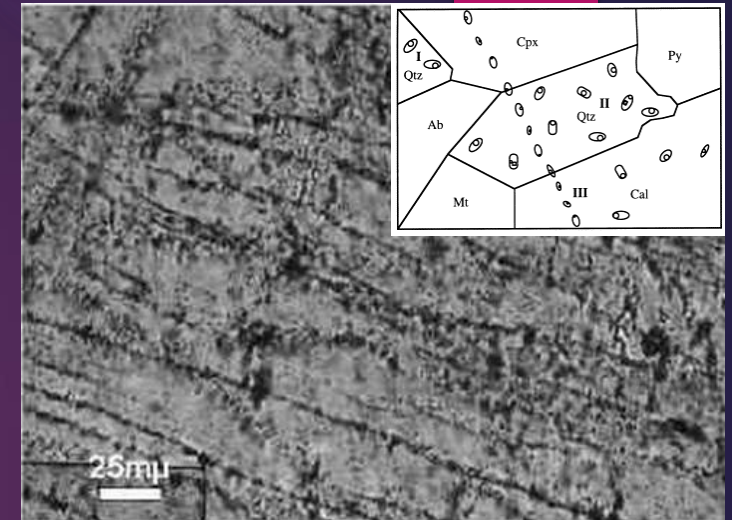


A plataforma de base



O que foi desenvolvido

- ▶ Planos de Inclusões fluidas
- ▶ Fry
- ▶ Rf-phi



○ futuro

- ▶ Fry normalizado
- ▶ Centro a centro
- ▶ Contagem de pontos
- ▶ Fracking

- ▶ Identificação de elementos (ex. inclusões fluidas, MOD, etc.)
- ▶ Medição de poder refletor
- ▶ “Fission track”
- ▶ etc

