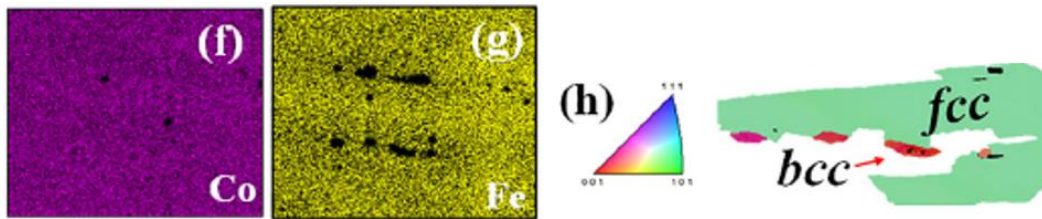
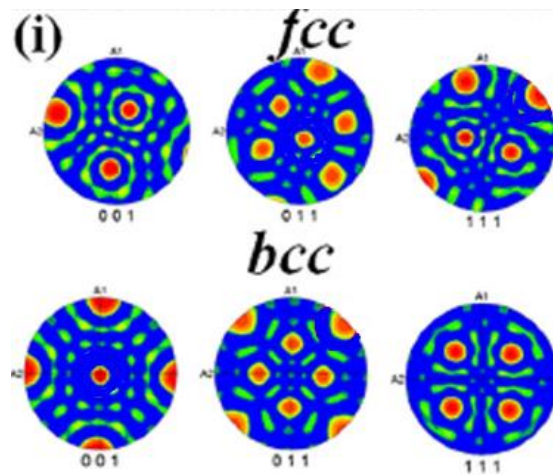


Mapa de fases (phase ID)



e, f, g mapa composicional / h relação de orientação



(i) Figuras de polo mostrando a relação de orientação entre o precipitado  $L1_2$   $(Ni, Cr)_3(Al, Fe, Co)$  e a matriz da liga  $Al_{0.3}Cu_{0.3}Ti_{0.2}CoCrFeNi$

Fig. 2 SEM orientation image microscopy: a Inverse pole figure (IPF) map showing the grain orientation on CR-R sample. b Phase map color coded with red on the fcc matrix grains, while a continuous network of green dots decorating grain boundaries is indexed to be bcc phase. c IPF on the CR-R-800 sample. d Phase map delineating the fcc and bcc phase distribution. e-g EDS maps of Ni, Co, and Fe showing the elemental partitioning. h, i IPF and PF showing the orientation relationship between the fcc matrix and bcc phase on the grain boundary

Encontrar uma relação de orientações preferencial entre o precipitado  $L1_2$   $(Ni, Cr)_3(Al, Fe, Co)$  na matriz da liga  $Al_{0.3}Cu_{0.3}Ti_{0.2}CoCrFeNi$ .