



micro-beam. However, subsequent experiments by Jean Susini indicate that this should not be a problem (especially if we were to work at LN<sub>2</sub> temperatures). In summary, this pilot project has demonstrated that the technique has enormous potential for mapping Cr(VI) and Cr(III) in contaminated soils. The perfection of this technique is of extreme importance in the remediation of Cr contaminated soils (normally achieved by reduction of Cr(VI) to Cr(III)) as there are very few methods to distinguish between these two oxidation states.