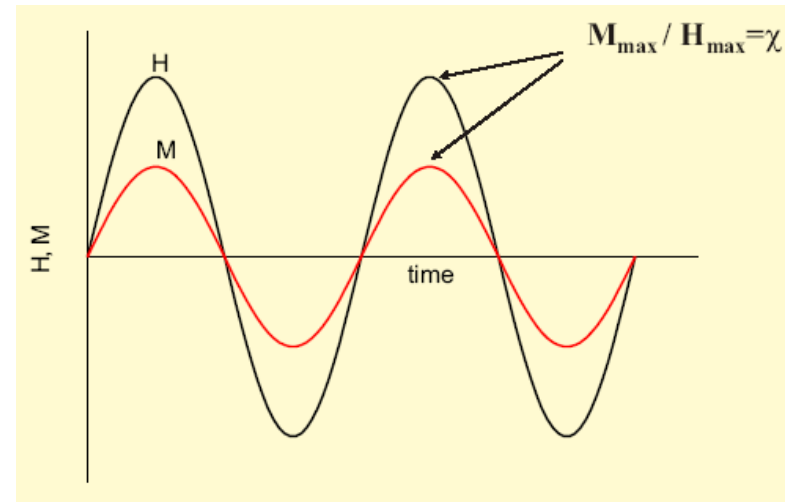
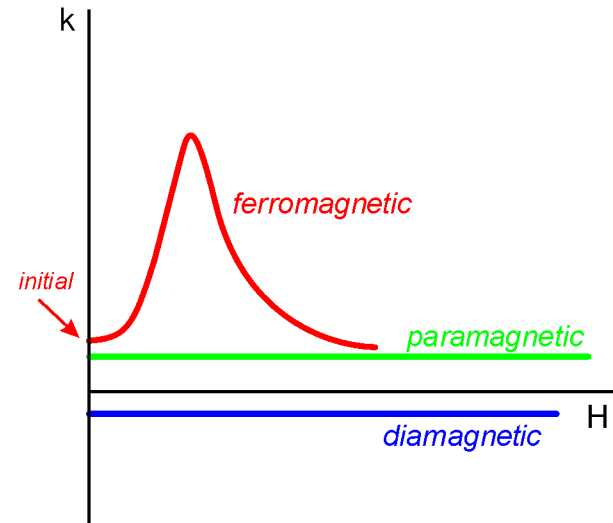
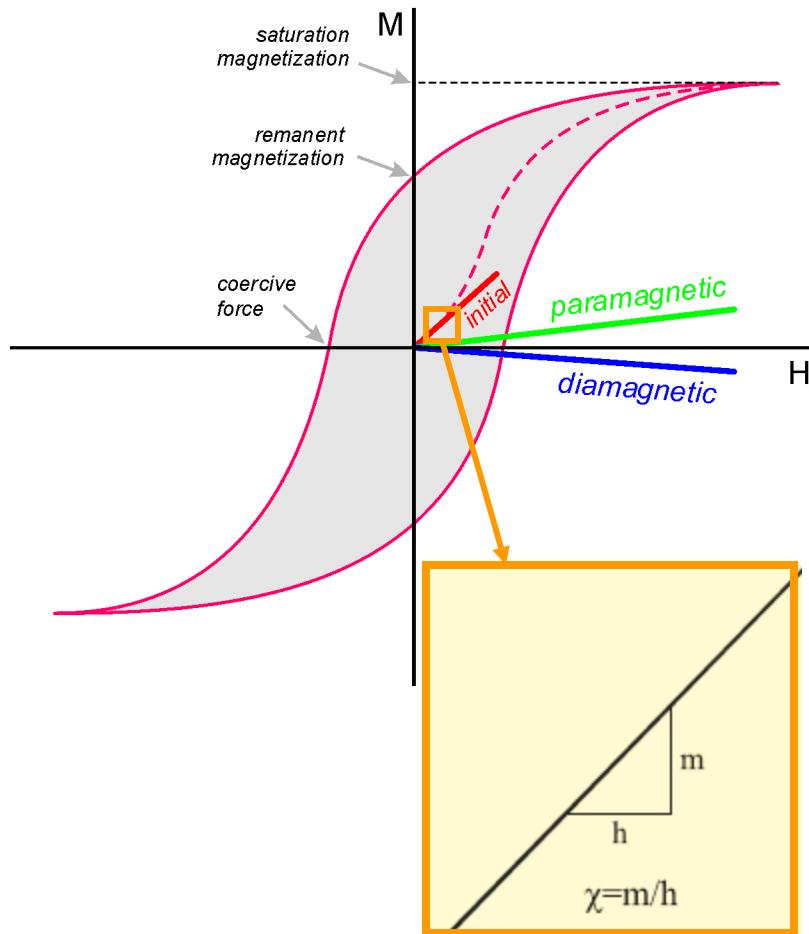


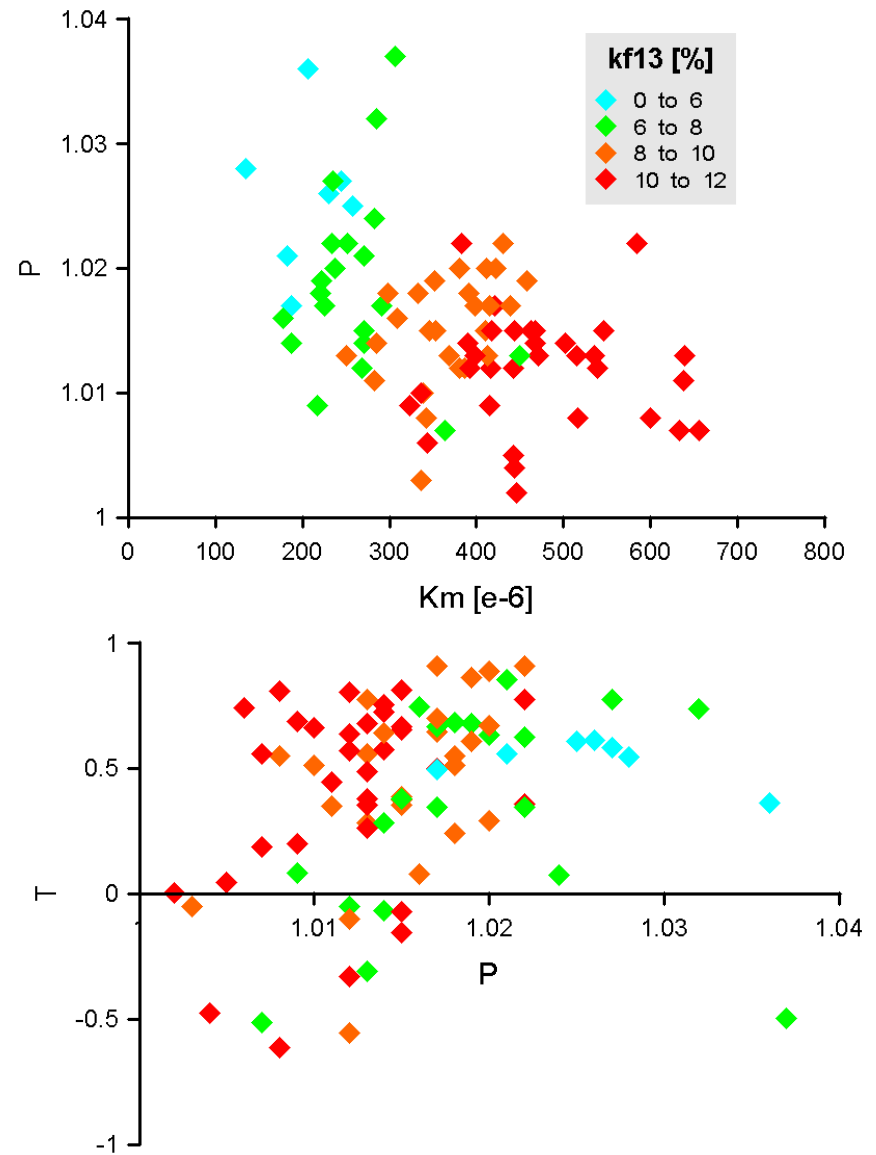
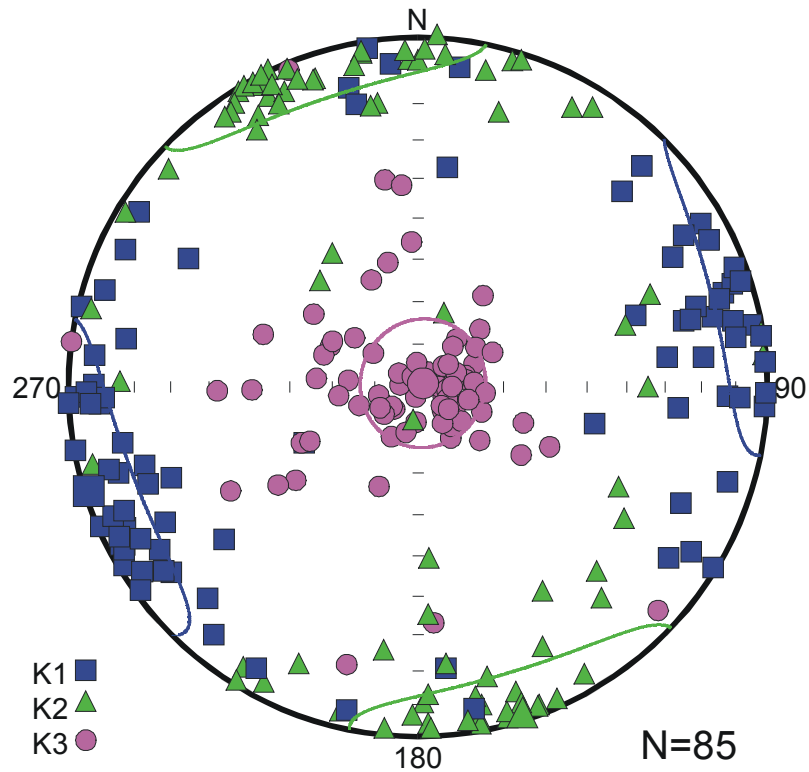
Processing magnetic susceptibility data (as acquired by Agico instruments)



(Low AF) Magnetic susceptibility



Anisotropy of magnetic susceptibility (AMS)



Frequency variation of MS

$k(f)$

- Identification of grain-size
- Paleoclimatic estimation

Field variation of MS

$k(H)$

1. Identification of ferromagnetic (s.l.) minerals
2. Chemical composition of titanomagnetites

Temperature variation of MS

$$k(T)$$

1. Characteristic temperatures → Identification of **magnetic minerals** and their chemical composition
2. Semi-quantitative resolution of **ferromagnetic** × **paramagnetic** contribution to MS
3. Numerical characterization of **alteration** during heating
4. **Paleotemperature** estimates

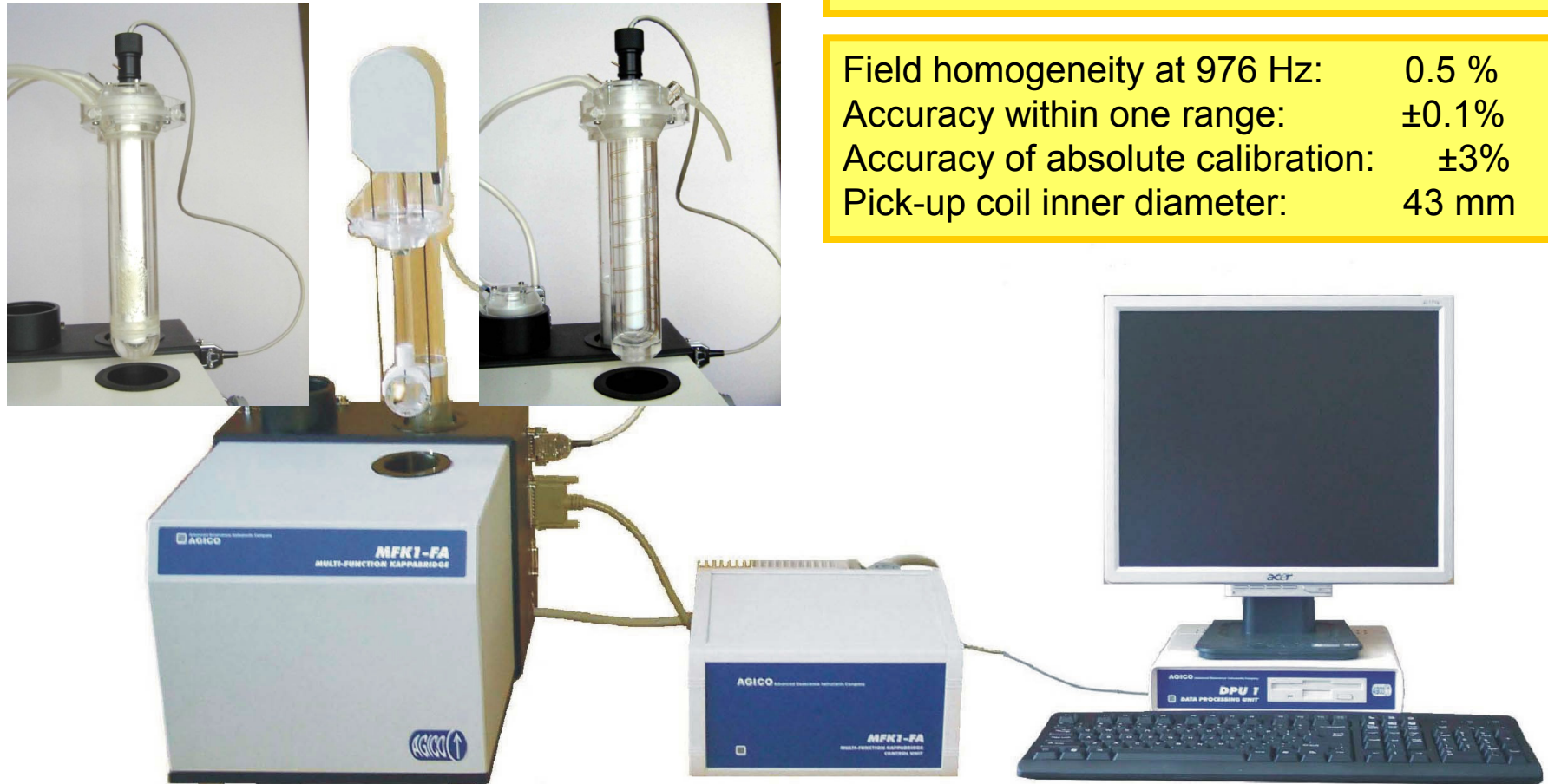
Temperature range

−192 °C up to 700 (800) °C

Three operating frequencies and respective field ranges (peak values):

F1 (976 Hz):	2 - 700 A/m
F2 (3904 Hz):	2 - 350 A/m
F3 (15616 Hz):	2 - 200 A/m

Field homogeneity at 976 Hz:	0.5 %
Accuracy within one range:	±0.1%
Accuracy of absolute calibration:	±3%
Pick-up coil inner diameter:	43 mm



<i>MS</i>	<i>Temperature</i>	<i>Field</i>	<i>Operating frequency</i>	<i>Data acquisition software</i>	<i>Data processing software</i>
k	room temperature	2 - 700 A/m 2 - 350 A/m 2 - 200 A/m	F1 (976 Hz) F2 (3904 Hz) F3 (15616 Hz)	Safyr	Safyr
AMS	room temperature	2 - 700 A/m 2 - 350 A/m 2 - 200 A/m	F1 (976 Hz) F2 (3904 Hz) F3 (15616 Hz)	Safyr	Anisoft
k(H)	room temperature	pre-selected field range	F1 (976 Hz) F2 (3904 Hz) F3 (15616 Hz)	Safyr	Safyr
k(T)	−192 to 700 °C	2 - 700 A/m 2 - 350 A/m 2 - 200 A/m	F1 (976 Hz) F2 (3904 Hz) F3 (15616 Hz)	Sufyte	Cureval

Instruments

www.agico.com

Software

www.agico.com

(Free of charge)

Contact

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An overview, followed by the details of using the software and the presentation of output were presented with the online connection to a **MFK1 Kappabridge**.

A lot of the training course focused on the use of **Safyr4W**.

<http://www.agico.com/news.html>

<http://www.agico.com/software/winsoft/safyr/>

