# Appendix III

# Checklist for Tephra Correlation

* report method of correlation (multiparameter, geochemical only, etc.)
* disclose the use of any software-based correlation tools
* disclose the use of any correlation coefficients and/or statistical techniques
* indicate which parameters were specifically used for correlation
* in case of correlation with a given source, report clearly literature data (methods, analytical results) used for correlation.
* In case of correlation with compositionally zoned eruptions, report clearly which phase of the eruption
* compare locations of tephra collection with the general dispersal of the source deposit (this can be important to correlate tephra with specific phases of an eruption, for ex. fallout vs. flow phases)
* ideally provide all original data and steps (e.g. python, R, Matlab scripts, Excel macros).

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