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Supplement of

Understanding emissions of ammonia from buildings and application of fertilizers: an example from Poland

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Table 1. The definitions of error measures used in the study.

Name	Equation	Value
Mean Error	$ME = \frac{1}{N} \sum_{i=1}^N (M_i - O_i)$	$-\infty$ to $+\infty$ perfect score: 0
Mean Absolute Error	$MAE = \frac{1}{N} \sum_{i=1}^N M_i - O_i $	0 to $+\infty$ perfect score: 0
Pearson Correlation Coefficient	$R = \frac{\sum_{i=1}^N (M_i - \bar{M})(O_i - \bar{O})}{\{\sum_{i=1}^N (M_i - \bar{M})^2 \sum_{i=1}^N (O_i - \bar{O})^2\}^{\frac{1}{2}}}$	-1 to 1 perfect score: 1
Index of Agreement	$IOA = \frac{N \times \sum_{i=1}^N (M_i - O_i)^2}{\sum_{i=1}^N (M_i - \bar{O} + O_i - \bar{O})^2}$	0 to 1 perfect score: 1

M_i – modelled value, \bar{M} – arithmetic mean of modelled values, O_i – observed value, \bar{O} – arithmetic mean of observed values, N – number of pairs (model, observation).