

## Testing consistency between indicator and measurement names in the Excel Sheets for shinyapp

### Indicators

Indicators included in “Indicator data” sheet which are not found in “Boundaries”

```
##   Water_type      Indicator
## 1     Rivers    RiverTNsummer
## 2     Rivers RiverOxygenSummer
```

Indicators included in “Boundaries” sheet which are not found in “Indicator data”

```
##   Water_type Indicator
## 1     Lakes  LakeACID
## 2     Rivers RiverACID
```

### Variance components

Measurements included in “Indicator data” sheet which are not found in “Varcomp”

```
##   Water_type    Measurement
## 1     Rivers Total Nitrogen
## 2     Rivers         Oxygen
```

Measurements included in “Varcomp” sheet which are not found in “Indicator data”

```
##   Water_type      Measurement
## 1     Lakes Proportion cyanobacteria
```

### Conclusions

Boundaries for which there is/are no corresponding indicator listed in the “Indicator data” Sheet or variance component information without a related indicator are not a problem.

Its more of a problem if there are indicators listed in “Indicator data” which do not have variance component information or boundary data. There are 2 river indicators for which this is the case: RiverTNsummer and RiverOxygenSummer.

There is a comment from JAC in “Indicator data” that RiverTNsummer is not implemented yet.