The diagram illustrates the relationship between 

\[ \delta^{18}O \text{ Cellulose (‰)} \]

and

\[ \delta^{18}O \text{ Precipitation (‰)} \]

over the years from 1965 to 1990. The data shows a correlation between cellulose and precipitation, with the following key points:

- Groningen: \( r = 0.59; p < 0.01 \)
- Wallingford: \( r = 0.88; p < 0.01 \)