



A Conversation Between Trees: The Climate Machine

1. The Climate machine was created to visualise recordings of global Carbon Dioxide data from 1959 to 2011 from the Manua Loa Series, trends in CO₂. Providing a temporal historical context, juxtaposed alongside live environmental data visualisations of forests in the UK and Brazil.

3. As the machine slowly rotates, it burns one year's worth of data as a circular graph onto a single disc, the scorch marks are intended to be reminiscent of a singular tree ring. The final sheet represents a full set of forecasts from 2010 – 2100.

5. The sheet in the foreground represents the year 1959, while the one farthest away illustrates data from 2011.

2. Using a soldering iron, the Climate Machine scorches a visual representation of the data onto the paper discs.

4. Each paper disc is hung in the gallery along with the others. Together they show the changing history of atmospheric Carbon Dioxide over time.

6. Each sheet is marked with its year, and the corresponding average CO₂ level, as a tactile way of marking the paper, so that each print became an individual crafted work of art. This also allows visitors to the exhibition to make personal connections to the data.