Autocorrelation over time for different datasets:

- **ERA5/t2m**
- **SMAP/sm_profile**
- **Seasonal noise**

The graph shows the decay of autocorrelation over time, with distinct lines for each dataset. The x-axis represents time in days, ranging from 0 to 63, and the y-axis shows the autocorrelation values between 0.0 and 1.0.