Goal: simulate \( \langle TG \rangle_{\text{forecast}} = \frac{1}{T} \sum_{t=1}^{T} TG_t^{(i)} \) for lead times \( T = 5 \) to 80 days

**Step 1:** random selection of analogue day \( k \in 1,\ldots,N \)

- \( t^{(1)} \): simulated day
- \( SLP \)
- \( TG_t^{(1)} \)
- SLP analog of \( t^{(1)} \)

**Step 2:** next day of selected analogue: \( t^{(2)} \)

- \( t_k^{(1)} \)
- \( Next day \)
- \( SLP \)
- \( TG_t^{(2)} \)

Iterate steps 1 and 2, \( T-1 \) times to simulate 1 trajectory

**Sampling rules in Step 1**

- Analogue dates of \( t^{(1)} \) (ymd)
- Calendar dates (md)
- Delete analogue in same year as \( t^{(1)} \)
- Weights proportional to proximity to calendar date of \( t^{(1)} \)