Use of reforecast for future calibration methods:
open discussion

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Current bias correction

- **Recursive bias correction algorithm from Bo Cui et al. 2006**

Advantages

Drawbacks

- Easy to set up
  - Only one historical bias file
- Self-correcting
  - « Seamless » model upgrades
  - Training of bias files during parallel run

- Trailing average
  - « Bias lag »
- Can introduce biases if bias changes rapidly (seasonal bias)
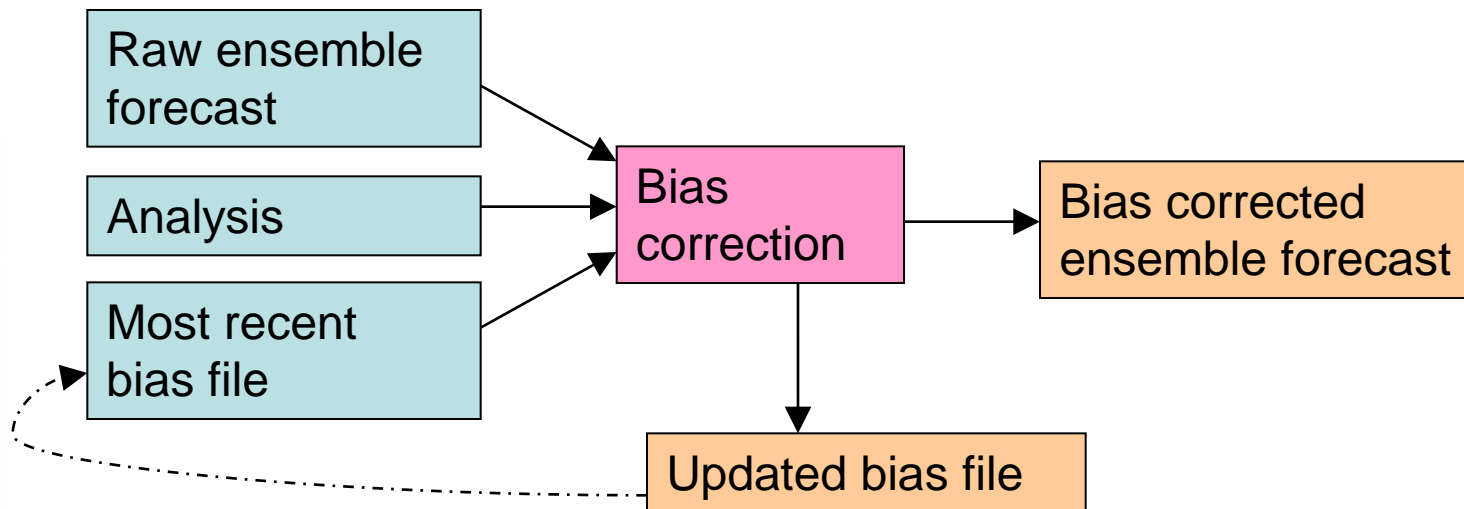
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But what if we had a reforecast anyway?

- Plans for a monthly forecast systems based on GEPS at CMC
- Hindcast: maybe 20 years, 4 members, once per week

Open discussion:

- How can that be used best for day to day forecasts?
- What would be the best size of a reforecast for day-to-day ensemble calibration?

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