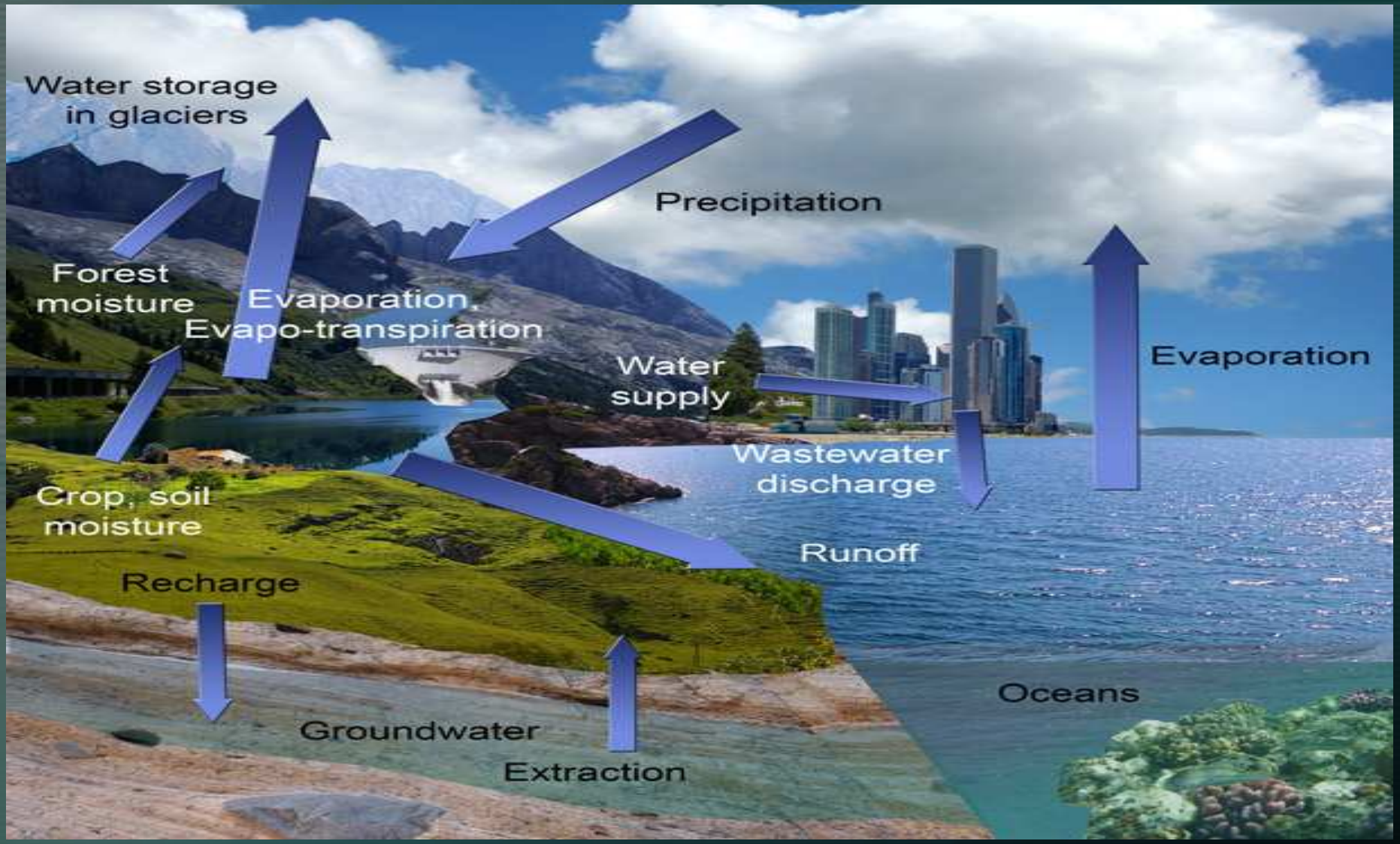

DRI Precipitation and Drought Indices Workshop
DRI
Drought Research Initiative
Réseau de recherche sur la sécheresse
Environment Canada
Environnement Canada

The (modern)Water Cycle

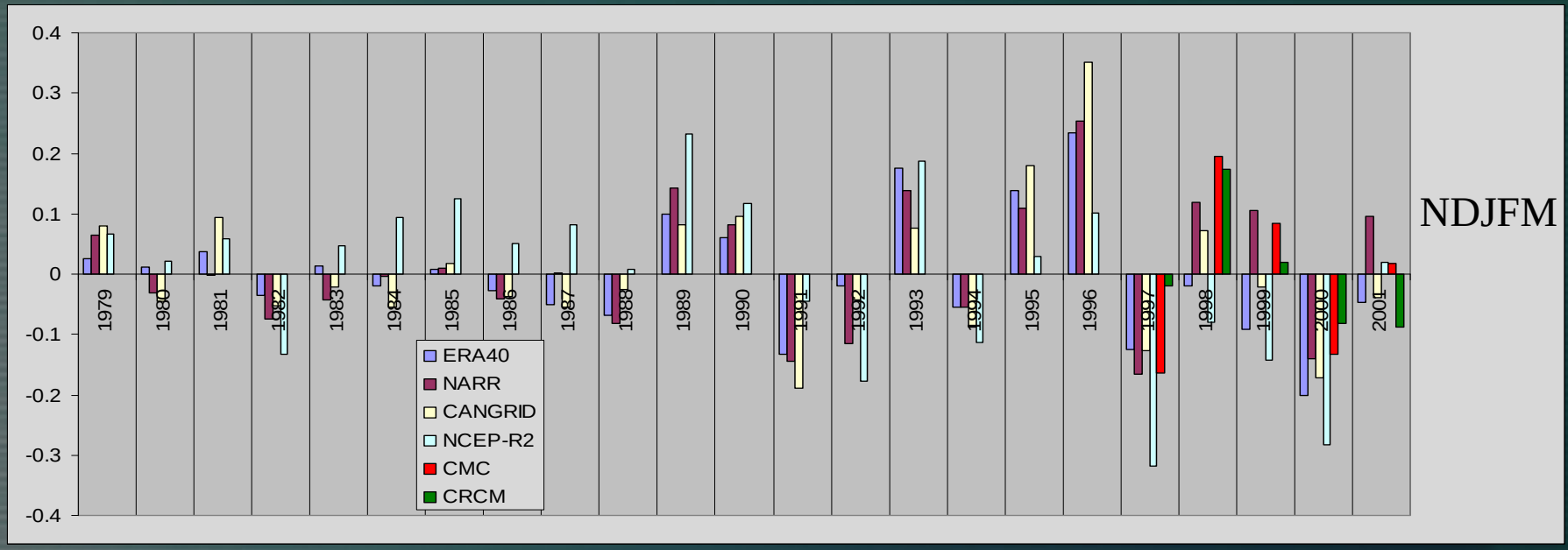


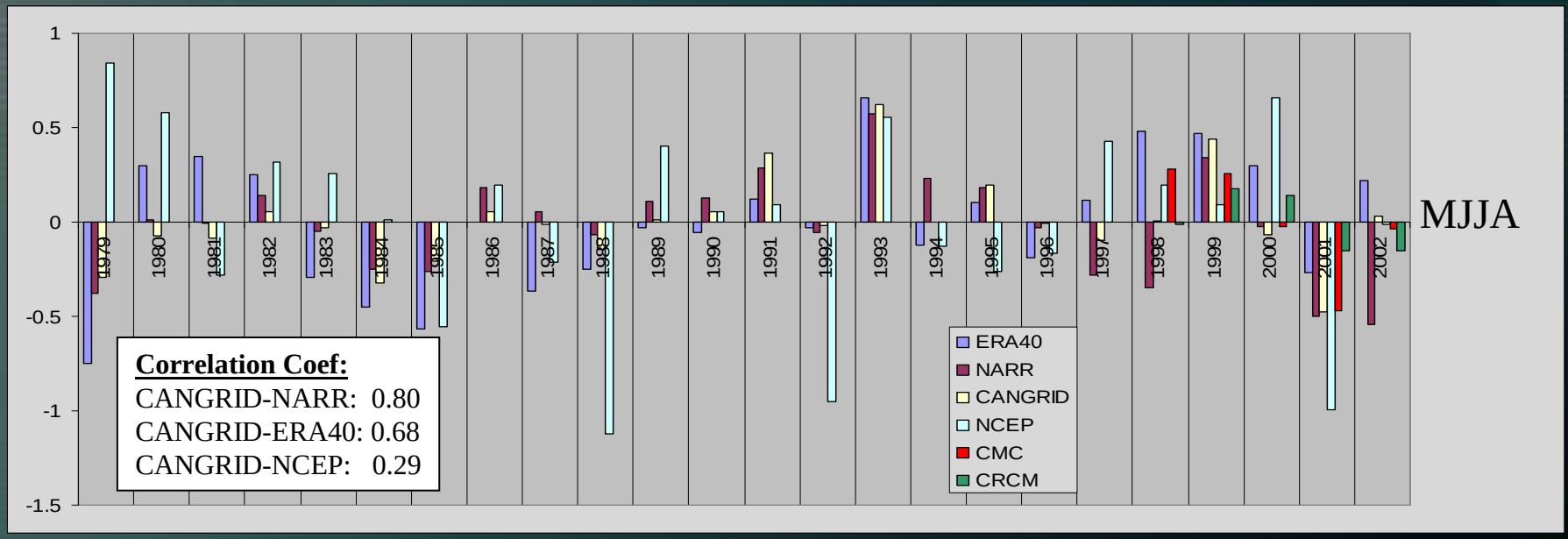
Source: UNESCO

Different Applications have Different Requirements for the Datasets

- Precip Datasets
  - Water and energy budget studies on various scales
  - Input into hydrological models/LDAS/reanalysis
  - Input into drought indices
- Precip / Drought Indices Datasets
  - Process studies on various scales
  - Climate variability and extremes
  - Climate change and projections

Timeseries of Seasonal average P anomaly (mm) for the Sask River Basin





Objectives of Workshop

- to promote awareness amongst workshop participants regarding the availability of existing and upcoming precipitation and drought index datasets and the inherent limitations and associated positive and negative attributes of using such datasets in drought research
- to share experiences and results among workshop participants in conducting research involving the use of these datasets, and
- to identify and discuss major issues in the development of future improved precipitation and drought indices datasets, and their implications for drought monitoring, trend analyses, process studies and related activities, as well as to foster collaborations between DRI investigators and potential partners to address the issues.

Workshop Program

- *Welcome and Opening Remarks*
- *Precipitation and Associated Derived Datasets*
- 11:35-12:45 Lunch (provided, *MSC cafeteria*)
- *Drought Indices and Applications*
- *Break-outs and Discussions*
- *Workshop summary and next steps*