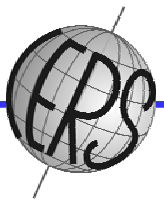
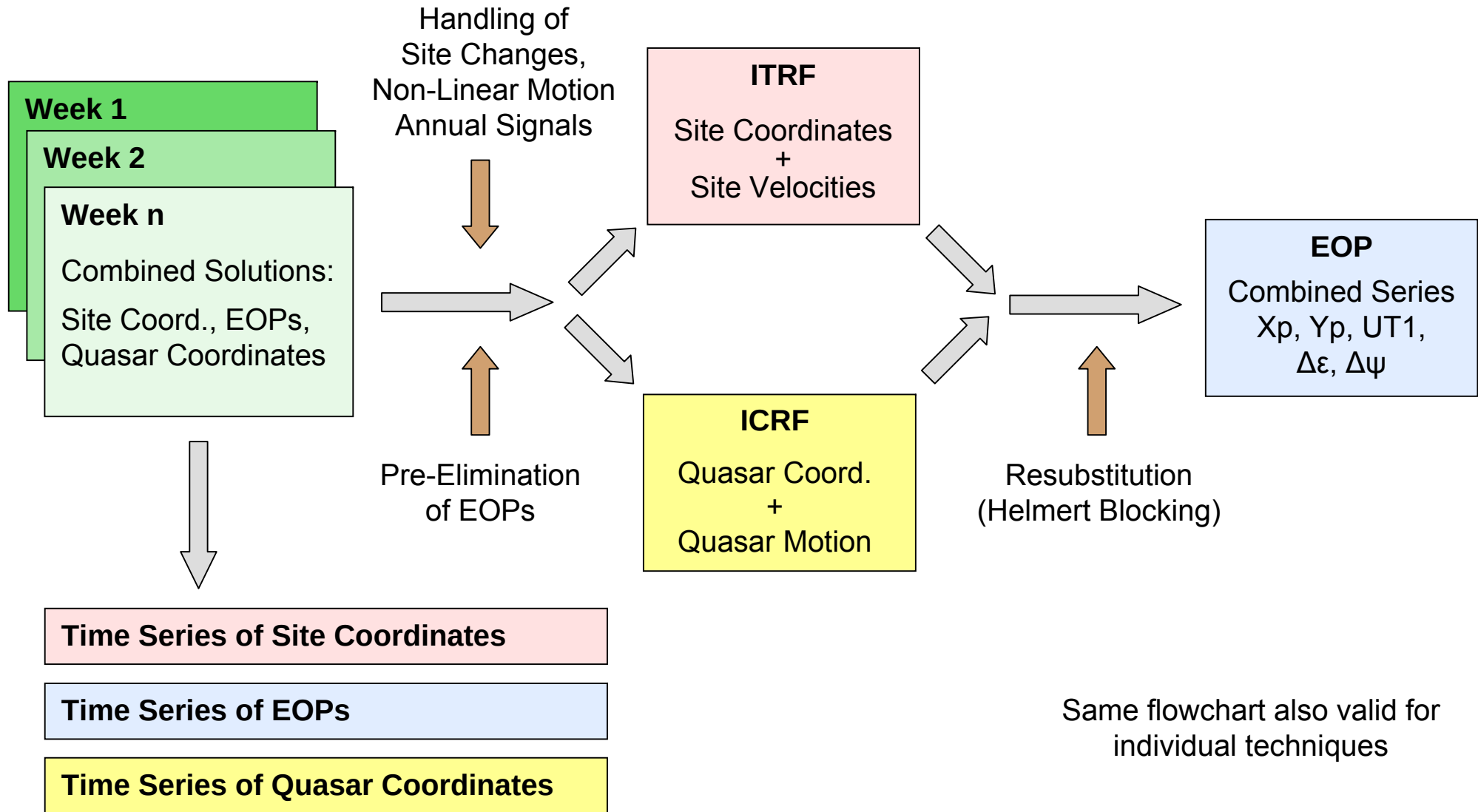
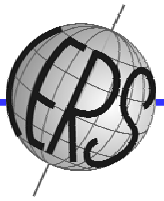


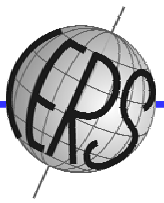
- “**I**ntegrated **E**arth orientation parameters, **R**adio sources, and **S**ite coordinates **200x**”
- **IERS200x = ITRF200x + EOP200x + ICRF200x = first rigorously combined solution**
- **Priorities:**
 - 1) ITRF200x: new ITRF realization, urgently needed**
 - IGS, ILRS, IVS start to use their own ITRF
 - a few years more data → better velocities
 - new stations
 - new combination strategy (weekly SINEX)
 - 2) EOP200x: series consistent with ITRF2005**
 - can easily be derived as a by-product
 - 3) ICRF200x: consistent with ITRF and EOPs**
 - low priority at present
 - much more difficult, validation
 - astronomical community involved



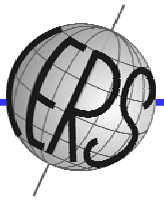
- IERS200x should be based on “**weekly**” **SINEX files** from all techniques (site coordinates, EOP, and quasar coordinates) over the **entire history** of their data acquisition
- This step will **complement the IERS CPP** for years already past; weekly combined solutions depend on info from longer time series
- The Technique Services (TS) should deliver time series as **homogeneous** as possible over a time span as long as possible (following the IERS Conventions 2003)
- **Individual AC solutions** should be accepted (if a combined solution does not exist or if more homogeneous/longer/... series become available)
- Call for contributions of **time series** for **IERS200x**
- All groups that have the capability to perform such combinations should join their efforts and contribute their knowhow

Future Combination: Multi-Year Solutions (Fully Consistent Set of ITRF/EOPs/ICRF)





- **Call for Submission** of time series of “weekly” SINEX files **ready**, to be formally accepted by the IERS DB
- **Suitable time series** already available:
 - IGS combined GPS SINEX files (NRCan)
 - ASI SLR SINEX files
 - GSFC VLBI SINEX files
 - DORIS SINEX files (Pascal Willis)
 - BKG VLBI SINEX files (?)
 - DGFI VLBI and SLR SINEX files
 - ???
- **Expertise for rigorous combination** available at:
 - IGN, Paris
 - DGFI, Munich
 - NRCan, Ottawa and other groups
- Fully new developments are not possible within this tight time frame



Draft Schedule:

- Dec. 2004:** **Call** for submission of homogeneous “**weekly**” **SINEX files**
- Feb. 2005:** Due date for **submissions** of weekly SINEX files: only groups, that are ready already now to submit.
- May 2005:** Submission of **ITRF2004 solutions** by the ITRF CCs. Start of comparison and validation. Combination studies for a future IERS200x by the IERS CPP.
- June 2005:** **Call** for time series including **quasar coordinates (CRF)**
- Aug. 2005:** ITRF200x solutions **evaluated** and **compared**; First IERS200x results of the IERS CPP. Presentations at the **IAG Scientific Assembly 2005** (Cairns, Australia).
- Oct. 2005:** After refinements and documentation, official ITRF2004 ready for **IERS DB decision** at IERS Workshop 2005. Evaluation of IERS CPP and preliminary IERS200x results.