

Data synthesis on-board r/v *Elisabeth Mann Borgese* by the *MasterTrans-Cruise assistant* software system

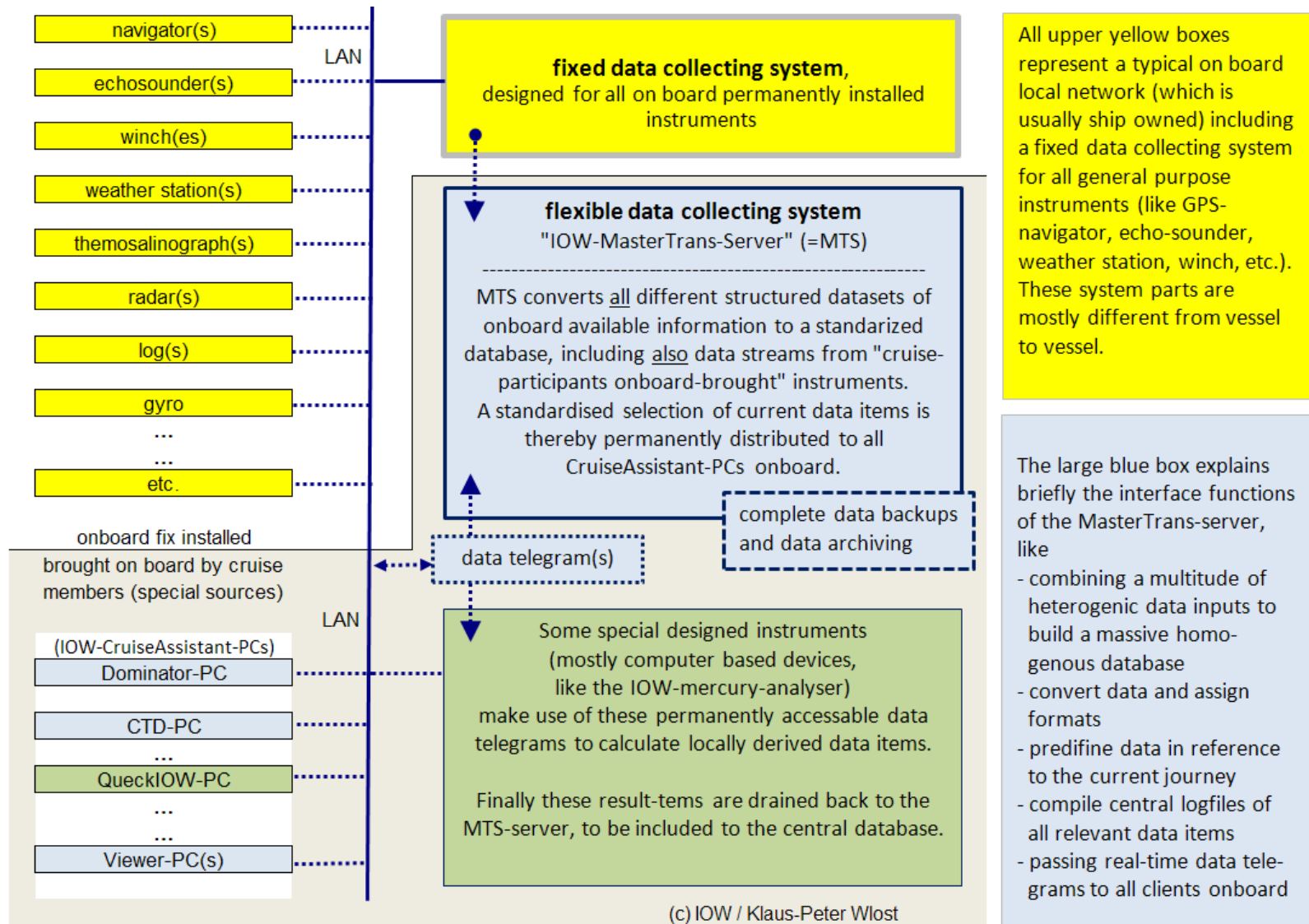


Figure S1: *MasterTrans* operates as a server based data system that combined data supplied by fixed instrumentation, which are permanently installed onboard the ship, as well as by mobile instruments that are brought on board by cruise participants (i.e., the mercury analyser) to a data telegram, which is then distributed via the ships local area network to all *CruiseAssistant* client-computers.