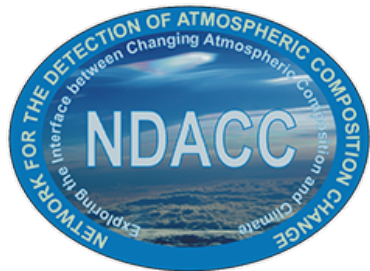


A rapid delivery processing chain of TCCON and COCCON data in support of the CO2M mission

Matthias Buschmann

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Overview of planned infrastructure



Scientific service for the support of
CO2M product validation methods,
reference data provision and processing

BIRA, MBER, s[&t, iLab



Overview of planned infrastructure

Data processing:

BIRA:

- NDACC-IRWG: CH₄



standard product

MBER:

- TCCON: XCO₂, XCH₄

- COCCON: XCO₂, XCH₄

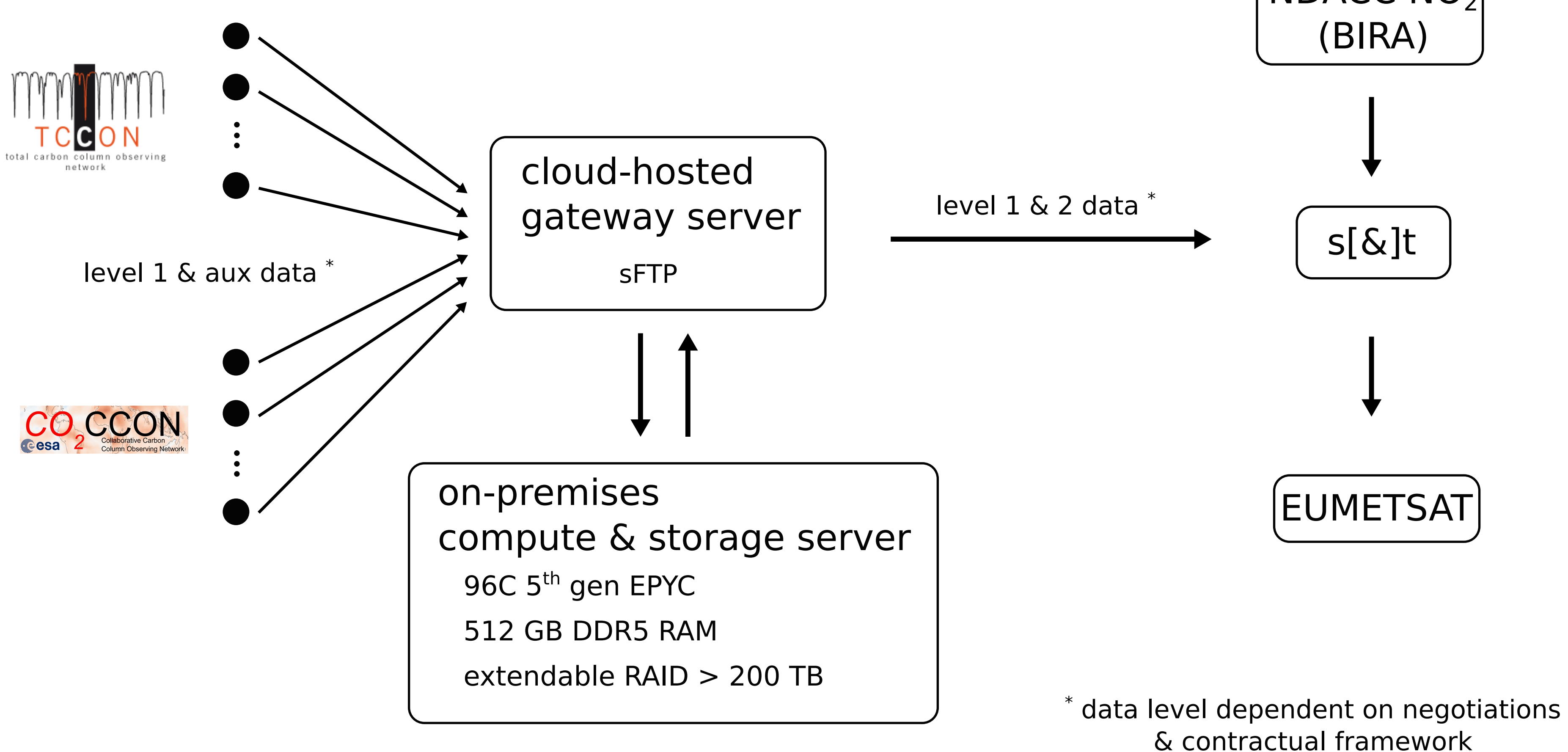


Two products:

a) standard product (network prior)

b) custom product (e.g. CO2M prior)

Planned infrastructure at MBER



Next steps

- start of network engagement + individual PI consultation (BIRA & MBER)
- negotiation of contractual framework (BIRA & MBER)
- setting up system at MBER
 - integration of existing ground-based processor code (KIT)
 - expansion of existing processor code
- successively include more and more sites
-

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