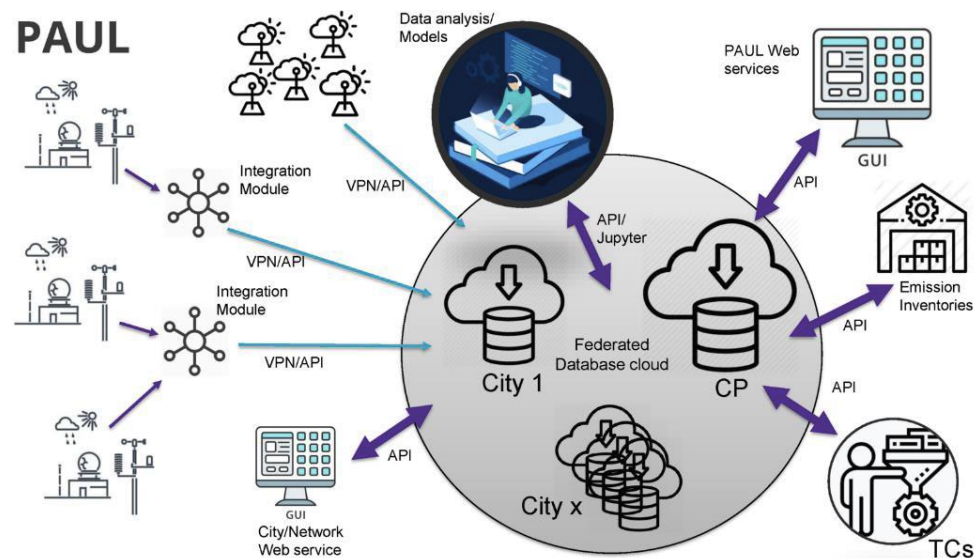


# WORK PACKAGE 4 DATA HARMONISATION AND INTEGRATION

29 November 2021 | ICOS Cities kick off meeting Paris

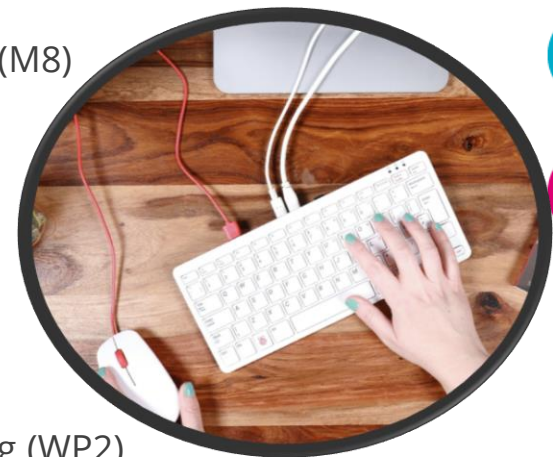
# WP4: Goals

- A FAIR (Findable-Accessible-Interoperable-Reusable) Cities network
- Build on experience in ICOS RI in data management
- Harmonisation
  - Observations (raw and processed)
  - Modelling input (priors, ancillary data)
  - Analysis and results
- Federated approach
- Clear interfaces between elements
  - Open APIs
  - Open source data processing routines
  - Standard data formats
- Demonstrator



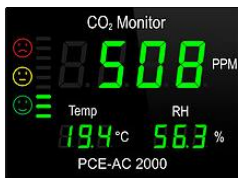
# WP4: Actions until end of 2022

- Mapping data streams and model requirements
  - Open workshop with community and project partners (WP1,2,3) (M8)
  - Metadata and data type design document (M12), basis for
    - Optimising data transfer
    - Design integration tools
    - Design of data processing tools
- API Design
  - Interoperable with ENVRIFAIR, WMO WIS, COPERNICUS
  - Python library extension for model data exchange and subsetting (WP2)
- Data processing pipelines
  - Interfacing different sensors and networks to deliver data in (N)RT
  - Define QA/QC requirements
  - Close interaction with WP3

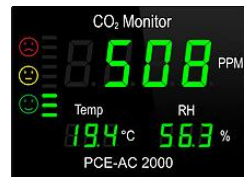


Local

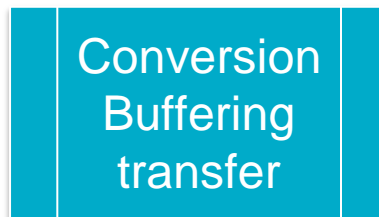
ICOS Cities



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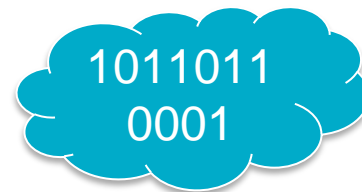


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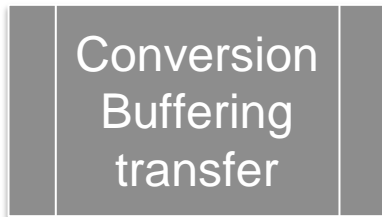


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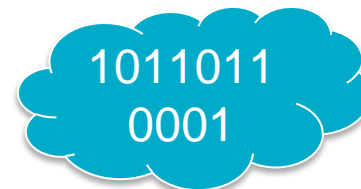


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API

# WP4: Connections to other WPs

motto: WP4 is the data connection

