

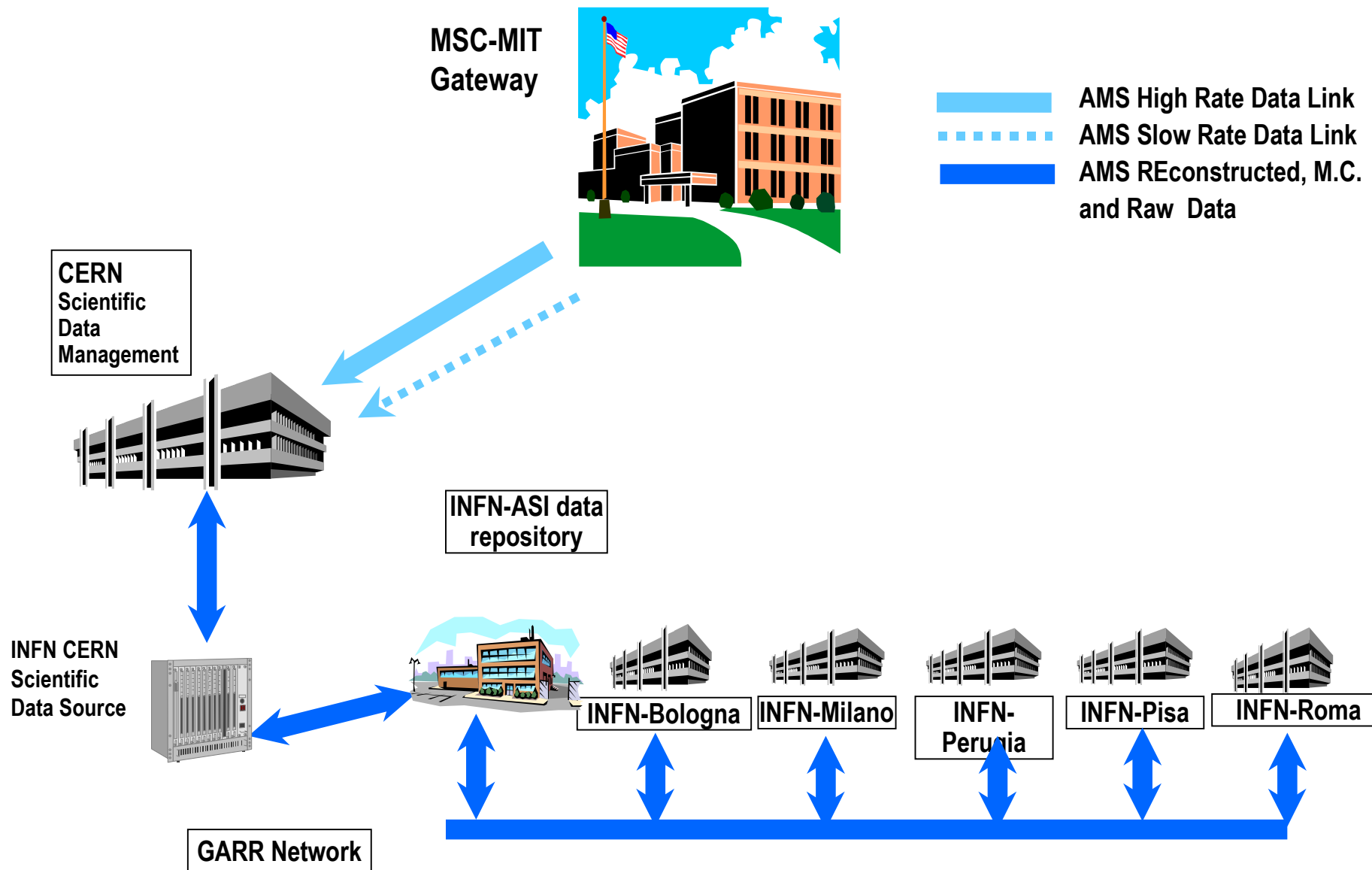
# AMS Data Handling & (Italian) Contribution to Ground Support Segment

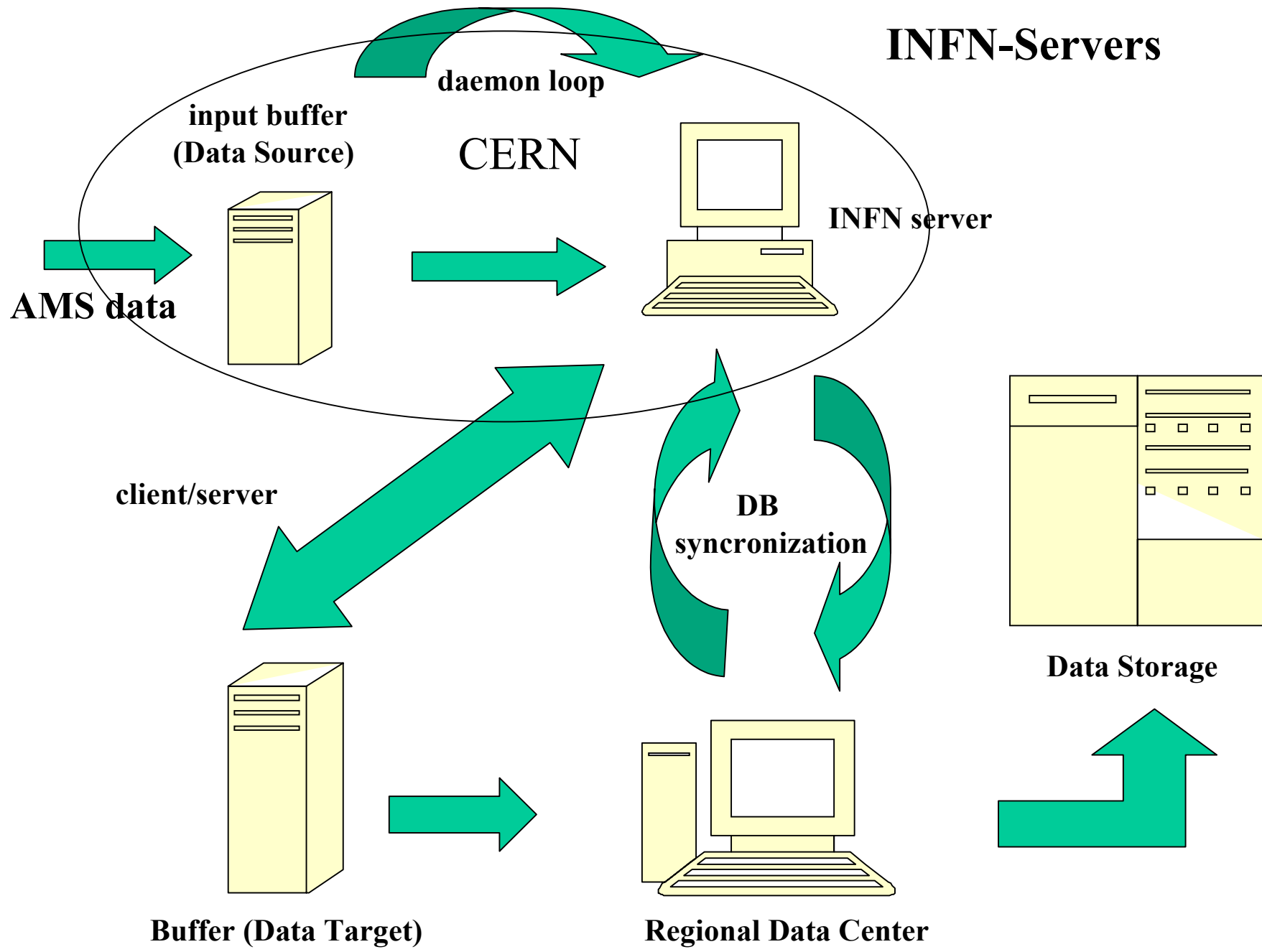
(P.G.Rancoita, CERN 28-05-01)

## Main reasons:

- Italian labs are funded and part of the same Institution (INFN) and also funded by the same Space Agency (ASI) → a coordinated effort to optimize Italian contribution in this field
- In addition: INFN labs are part of the same GARR network and there is the need of optimizing bandwidth requirements

# AMS Data Management





# System Requirements

The system must:

- be lightweight on bandwidth
- be lightweight on CPU
- be portable
- run continuously with minimum human intervention
- guarantee automatic book-keeping
- implement an easy failure-recovery
- be scalable

# Current setup

- based on client/server architecture.
- written in Perl5 and ANSI-C.
- uses both commercial (Oracle) and open-source (MySQL) RDBMS.
- Uses both commercial (True64) and open source (Linux RedHat) Operating System

*These features are minimal requirements for portability, scalability, automatic book-keeping*