Status of monitoring subtask

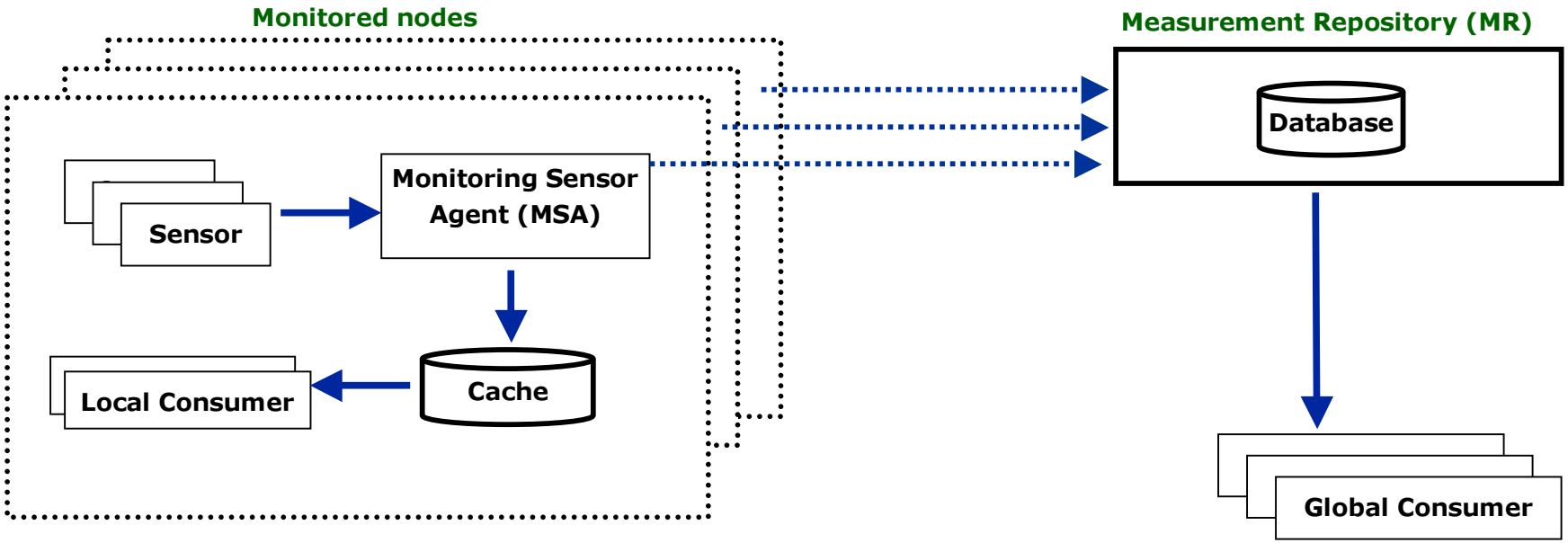
Sylvain Chapeland
Karim Chouikh
David Front
Jan van Eldik

WP4 workshop

Barcelona project conference 5/03

Jan van Eldik CERN IT/FIO

The architecture



MSA enhancements

- TCP transport to MR delivered
  TBD: dynamic proxy configuration, secure the transport
- Configure multiple servers, per metric granularity
- Wall-clock scheduling, configuration file reload, log file handling, cache cleaning
- TBD: Sample on demand, sensor response check, "data smoothing", FioSensor.pl

Measurement Repository

- Repository server delivered
  multi-threaded, standardized SOAP layer
- C-implementation of repository API delivered
  TBD: Perl and Java implementations
- ORACLE database backend delivered
  - Measured 4500 inserts per second (array inserts)
  - Partitioning and indices for fast read access
  - Being deployed now…
- TBD: Database survey, Open Source database (MySql)

Alarm Display

- AlarmBroker running OK
- AlarmDisplay basic funtionality being implemented
- Servers views: tree, table
- Next steps
  - Make it work with Oracle
  - Test with realistic configuration, and with exception metrics

Anamon

- A gift from Olof…
- Java applet generating plots of "value vs time"
- screenshots