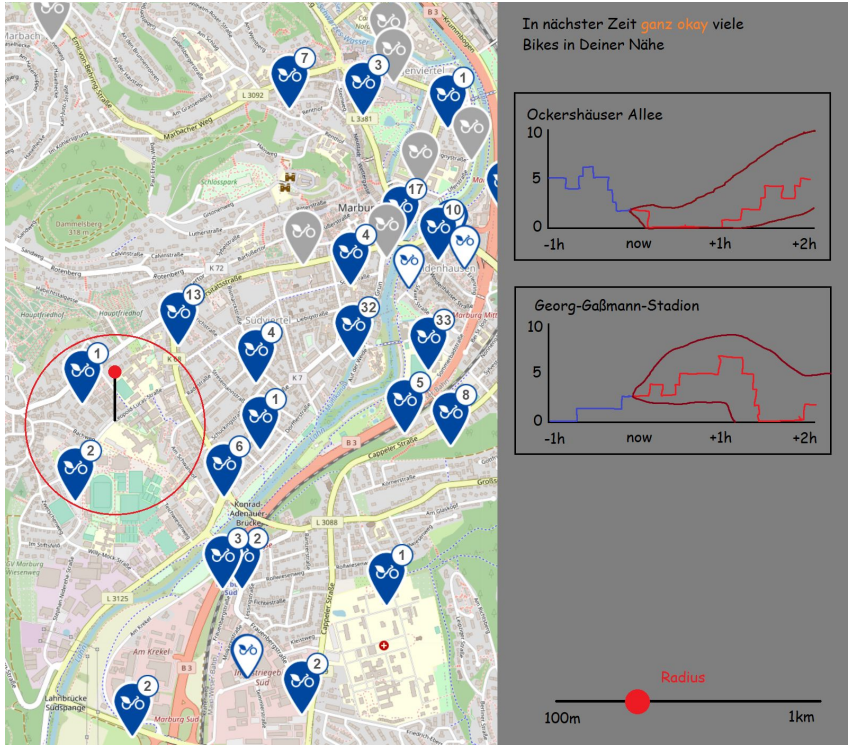
bike-mar-gration

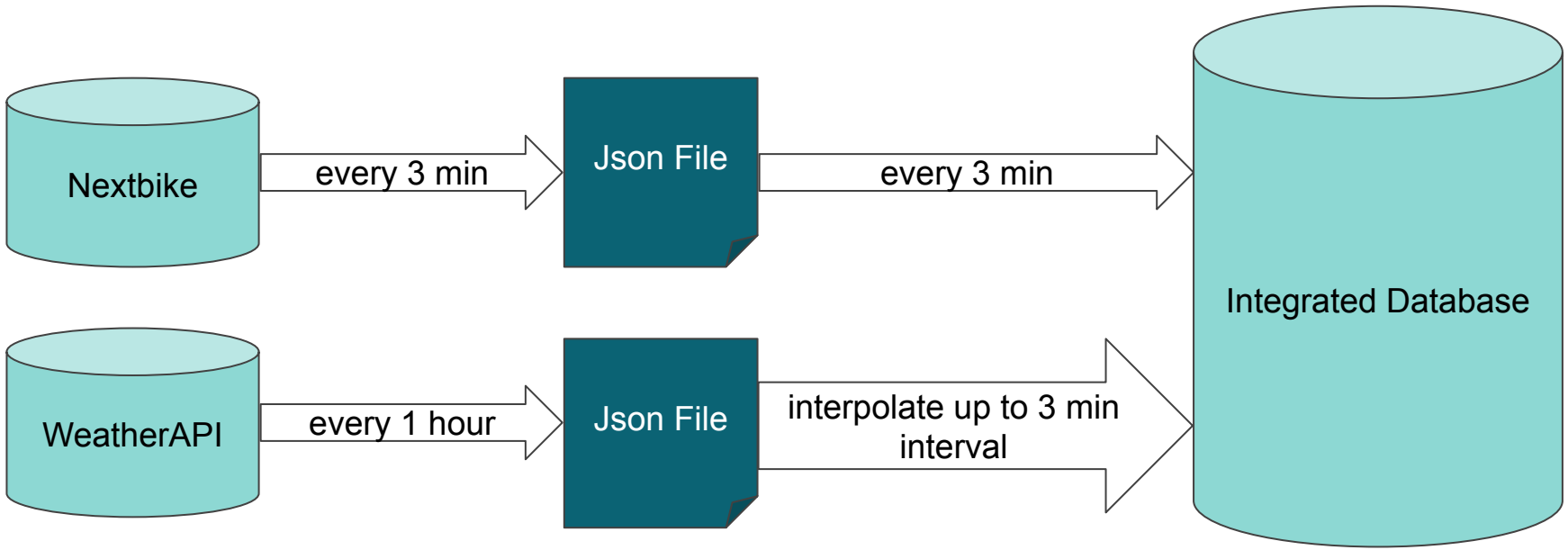
by Jakob Müller and Bela Schinke

Reminder

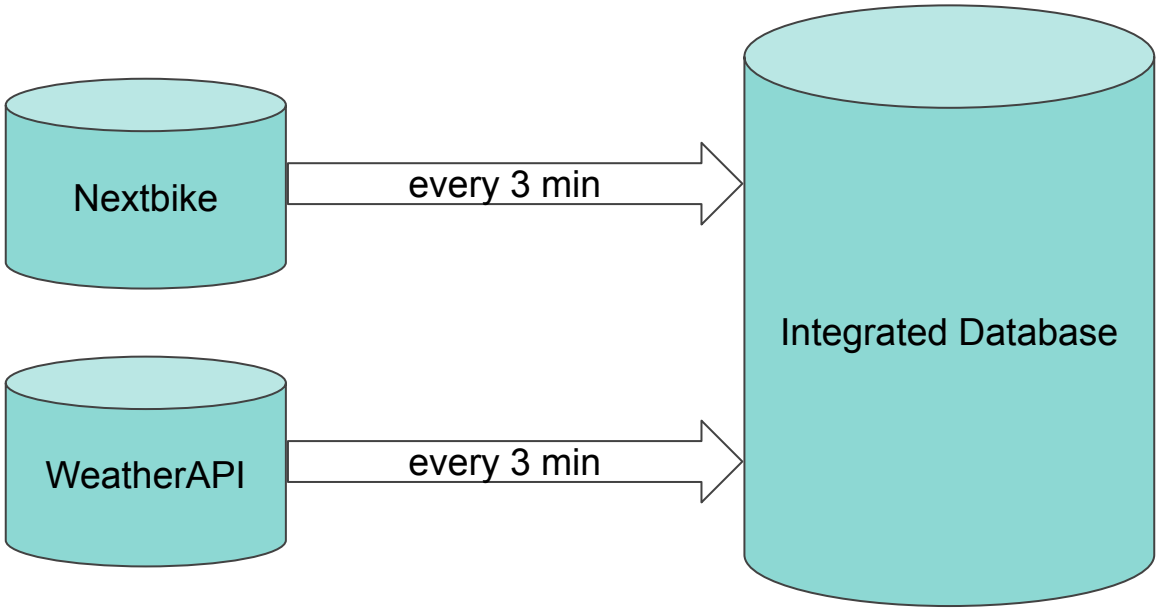
BELA

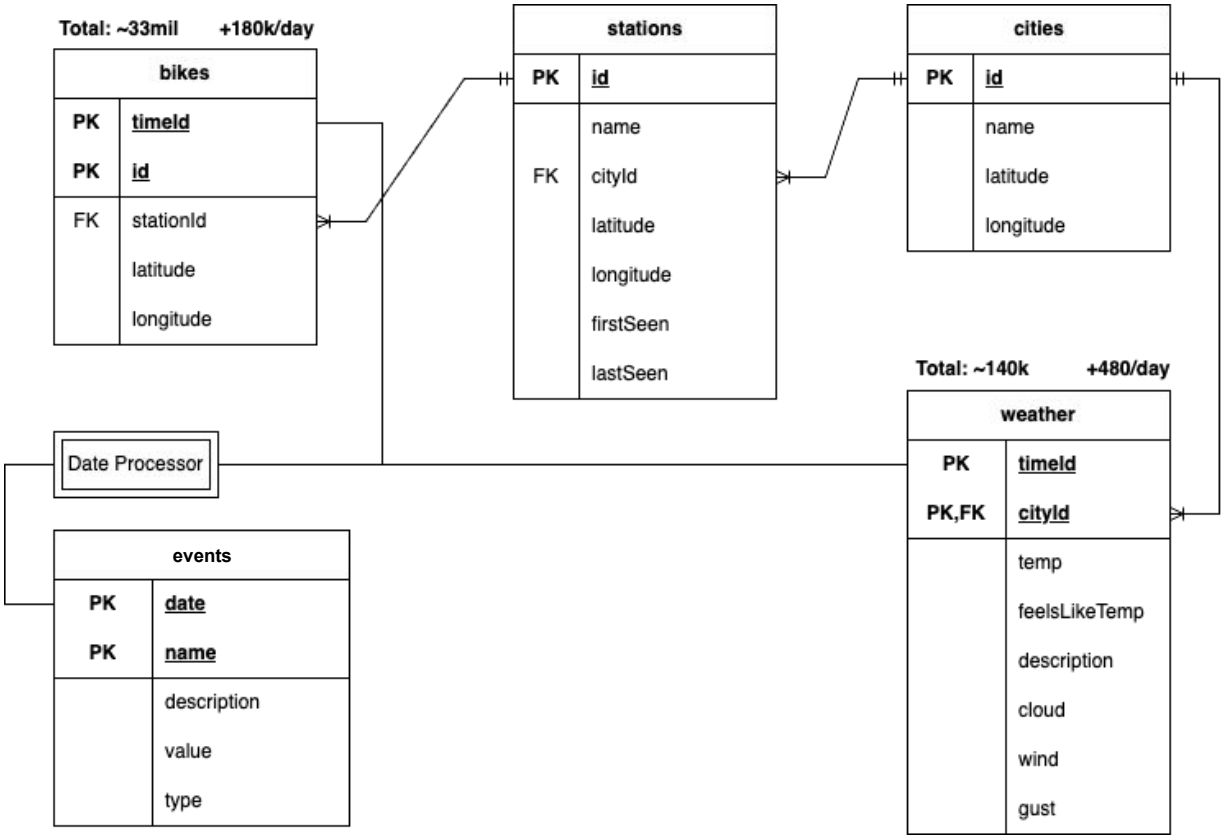


Integrations Pipeline (for historic data)



Integrations Pipeline (for live data)



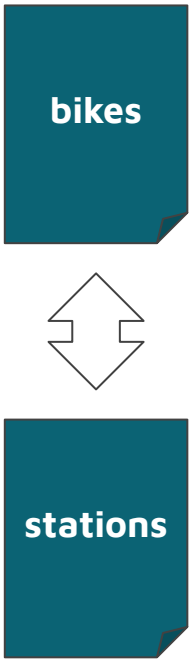


Updated ER-Diagram

OLTP (online transactional processing)

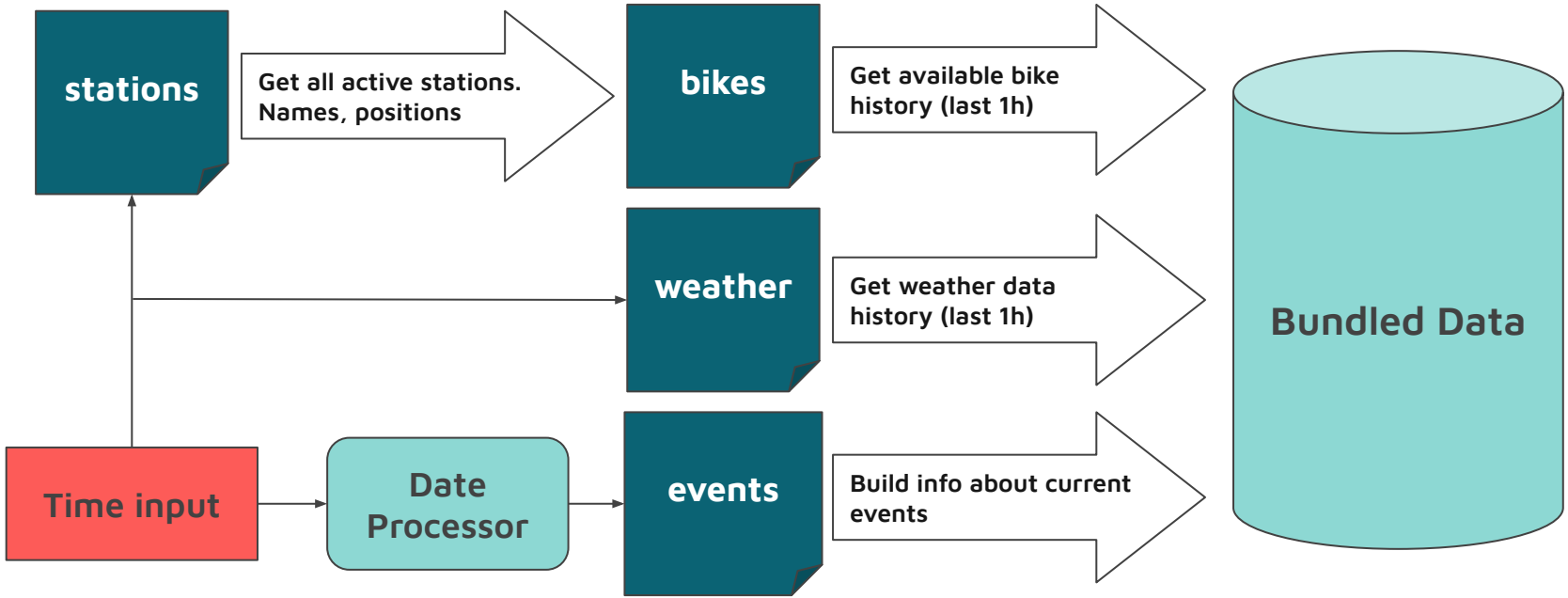
Example 1: Number of Bikes at all Stations ~20ms

```
SELECT
        name, latitude, longitude, COALESCE(numBikes, 0) as n
FROM
        (SELECT * FROM stations
                WHERE firstSeen <= ${timeId}
                AND lastSeen >= ${timeId}
        ) s
LEFT OUTER JOIN
        (SELECT
                stationId, COUNT(id) as numBikes
        FROM bikes
        WHERE timeId = ${timeId}
        GROUP BY stationId) b
ON s.id = b.stationId;
```



OLTP (online transactional processing)

Example 2: Create training/prediction instance ~25ms



Product preview

Not all interactions are fully implemented