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shaping tomorrow with you

LOD approach to engineering health-sensor datasets

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Open Data on the Web, 23 April 2013

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Introduction

Linked Data @ FLE

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- Cloud platform for...
  - ...scalable graph-based data storage
  - ...Linked (Open|Closed) (Big) Data
- April 2013 Press Release:
  - Fujitsu and DERI Collaboration on Linked Data Global Repository
- W3C member
  - W3C WG Linked Data Platform
- Scenarios:
  - Enterprise, Governmental, Social, *Healthcare*

Linked Data @ FLE

Filter by:

License Type:

Creative Comm

Min. Size of Dataset (# of triples):

Max. Size of Dataset (# of triples):

Title:

Apply Filter

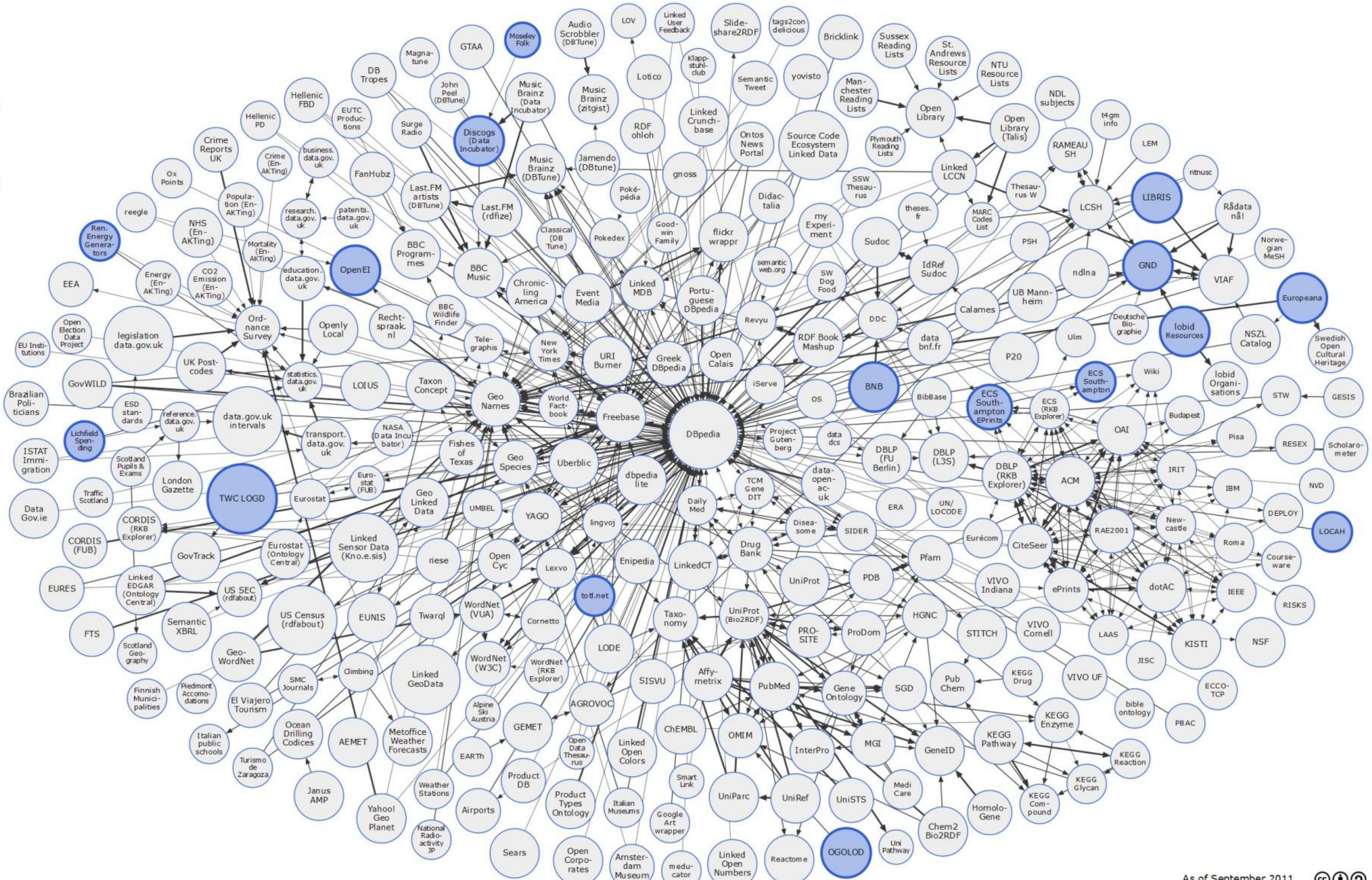
or

List Results

Clear Filters

Or...

Search Structure



Linked Data in Healthcare

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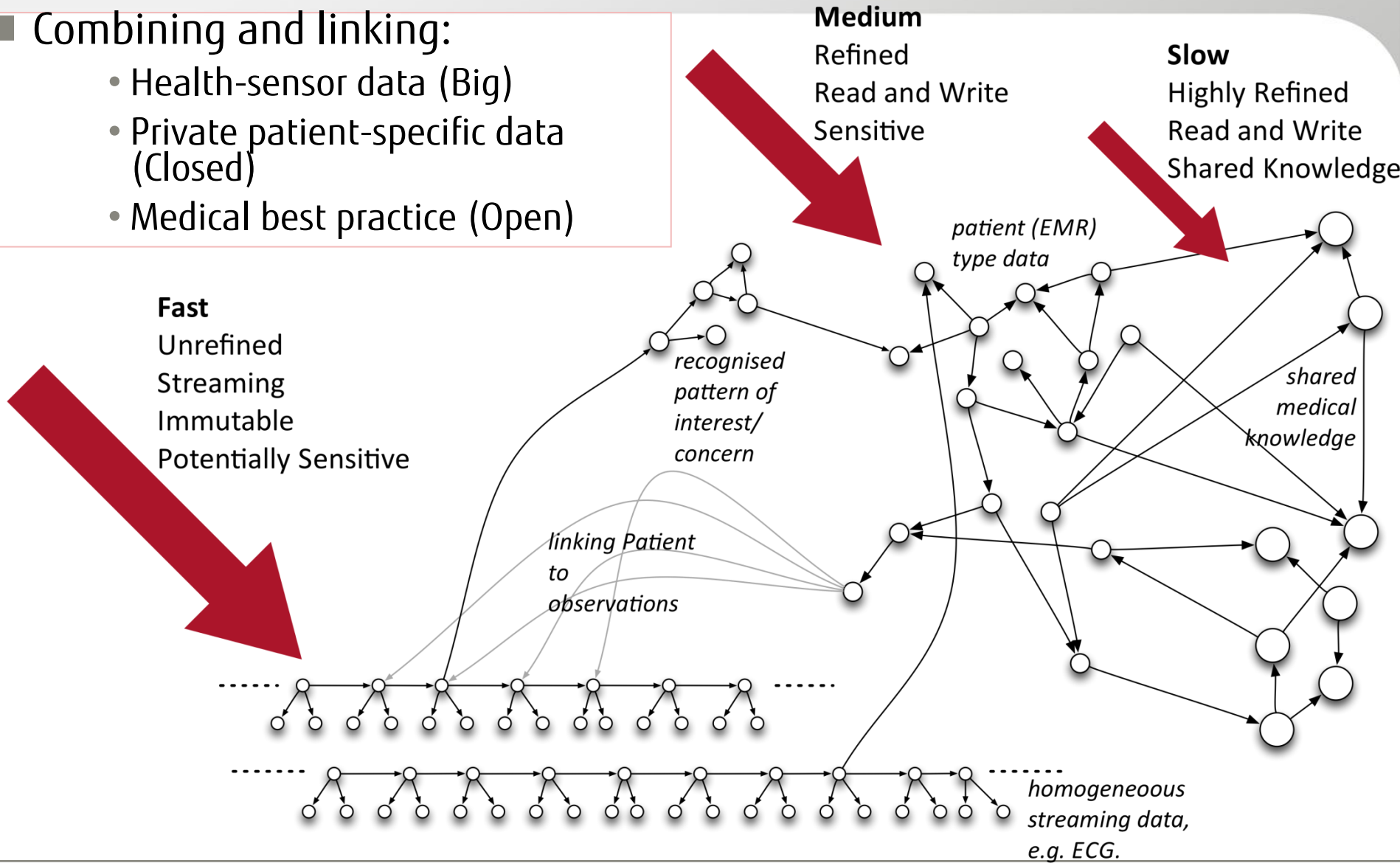
- *Body-Sensor Network for Disease Management and Prevention-Oriented Healthcare*
  - November 2012 Press release: Fujitsu Advances Healthcare Innovation in Collaboration with National University of Singapore
  - Wireless Bio-sensors – monitoring vital signs
  - Health Cloud – storing and analysing data

- Combining and linking:
  - Health-sensor data (Big)
  - Private patient-specific data (Closed)
  - Medical best practice (Open)



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Discussion points

Challenges

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- Technical
  - Formats and APIs for representing and consuming medical data
  - Handling…
    - Temporal data
    - Binary data
  - Linking multiple data types
    - EMRs/EHRs
    - Medical Best Practice data / Clinical Trial data

Challenges

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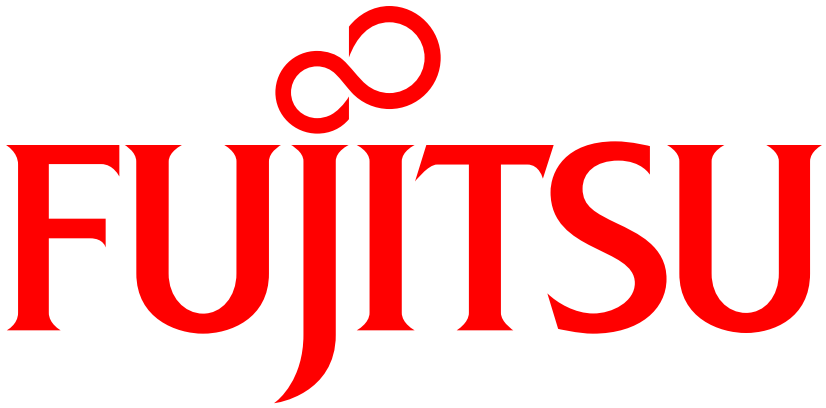
- Non-Technical
  - Some rebranding of Open Health Data to also emphasise data for medical research (as well as administrative clinical data – costs, hospital rankings, etc.)
  - Need to lobby medical researchers to expose more data
    - …harder than lobby governments?
  - Dataset engineering patterns?



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