

# Insight



Centre for Data Analytics

**IRELAND**

**350 RESEARCHERS**

**8 INSTITUTIONS**

**150 PARTNERS**

**€88M FUNDING**



NUI Galway  
OÉ Gaillimh



DERI



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Currently over 17 active  
EU projects

WaterEconomics



MixedEmotions



Semantic Infrastructure  
Interlinking  
an open source Finite Element Tool  
and libraries with a Model Repository  
for the multi-scale modelling  
of the inner-ear



Share-PSI 2.0

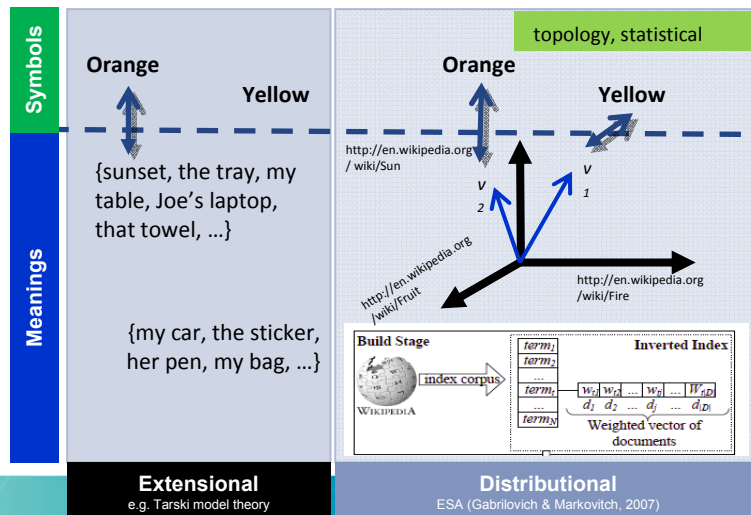


# Competencies

## Big Data



- Semantics
- Real-time Analytics
- Distributional Semantics
- RDF/Linked Data
- Open Data

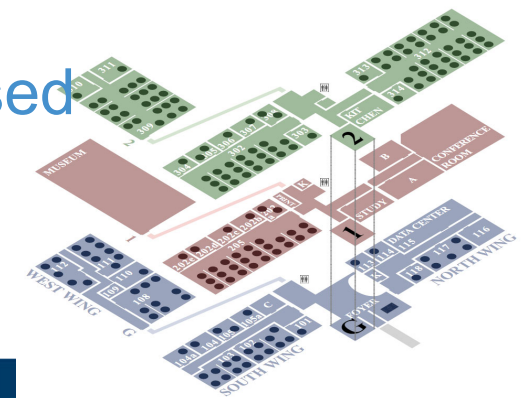


## Internet of Things

- Statistical semantics for real-time processing in IoT
  - Free tagging for things
- <http://www.thingsonomy.net>

## Spatial Crowdsourcing

- Task routing
- Expertise-based



# Competencies and Ideas

- Cognitive cyber-physical systems
- Big Data analytics, crowd sourcing and semantic analytics
  - For loosely coupled cyber-physical systems
  - Cognitive models for coordination between cyber-physical systems components
  - Support for human-in-the-loop