

# LAK Dataset Visualization

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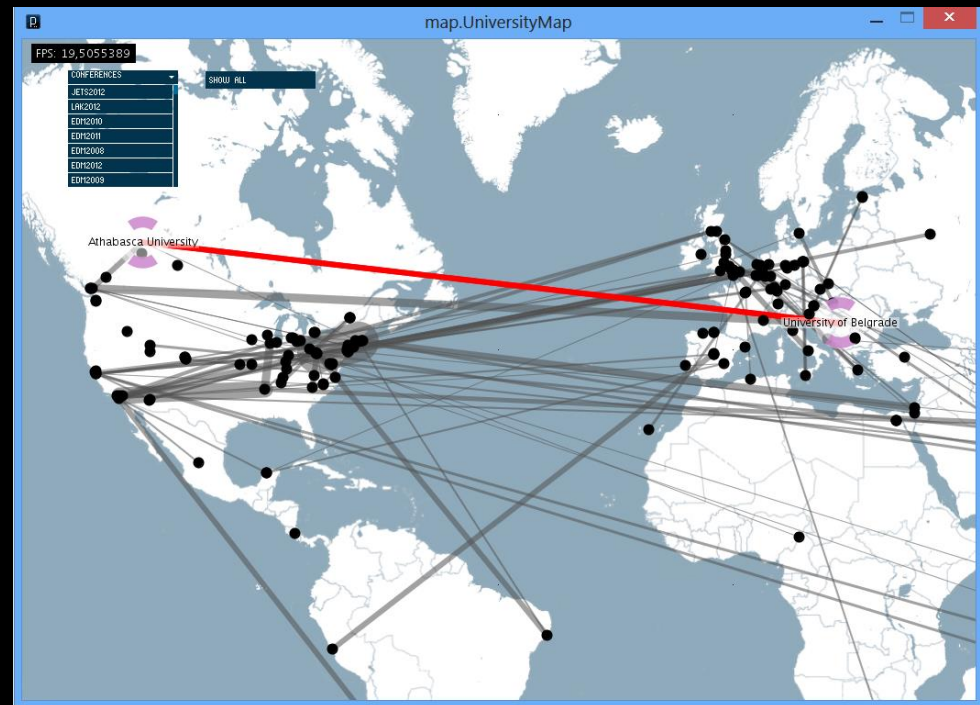
# Research questions



- Target:
  - Researchers
  - Conference organizers
- Questions:
  - What subjects are discussed during this conference? (keywords)
  - What other organisations are researching a certain subject?
  - How do conferences evolve over time?
  - How do conferences compare to each other?

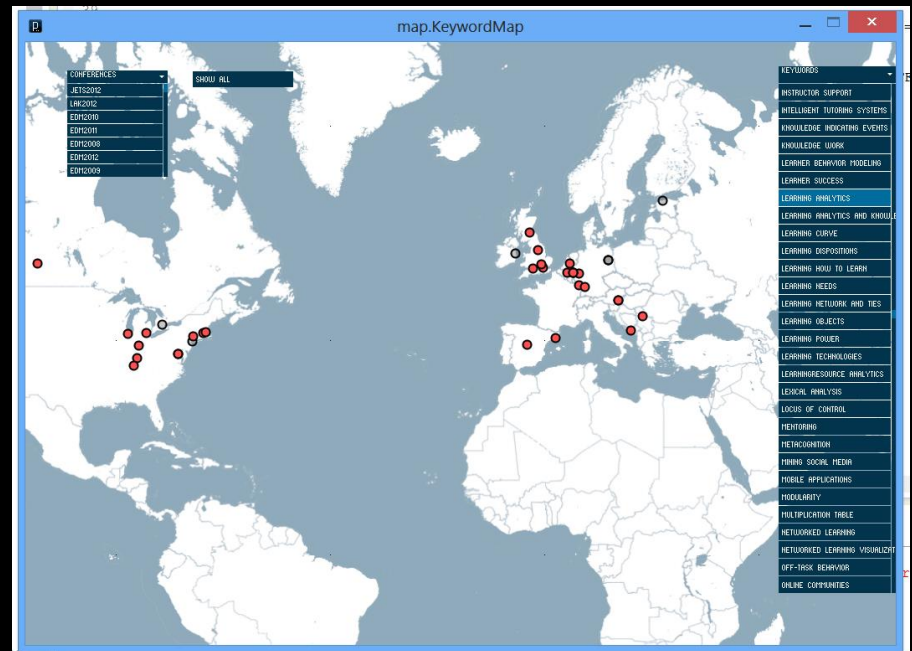
# Possible visualizations

- Common-paper map
  - Original idea
  - Edges indicate joint research papers between orgs
  - Thickness indicates amount



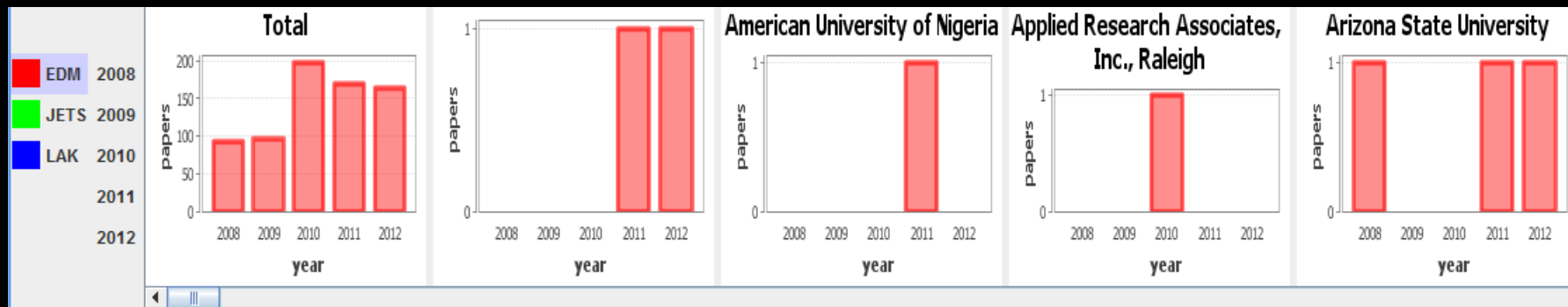
# Possible visualizations

- Keyword map
  - List of keywords
  - Show subjects of conference
  - Show orgs of subject
  - Show subjects of org



# Possible visualizations

- Barcharts to show:
  - Evolution of #papers conference over time
  - Evolution of #papers of org over time



# Possible visualisations

- Aggregate universities to countries when zoomed out far enough

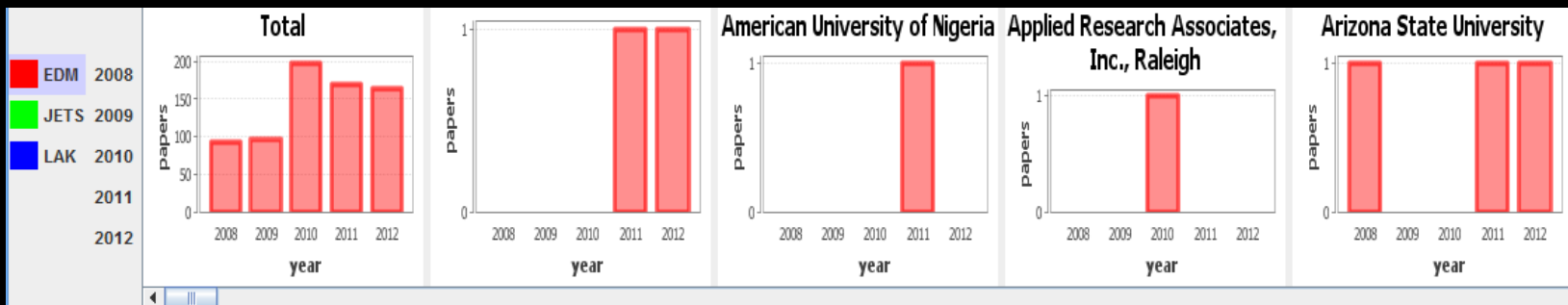
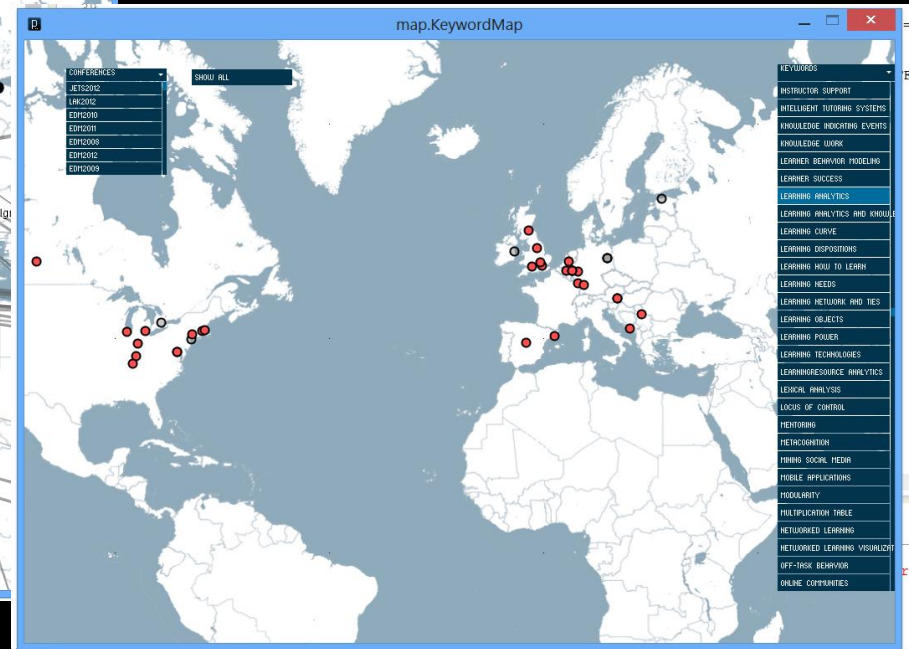
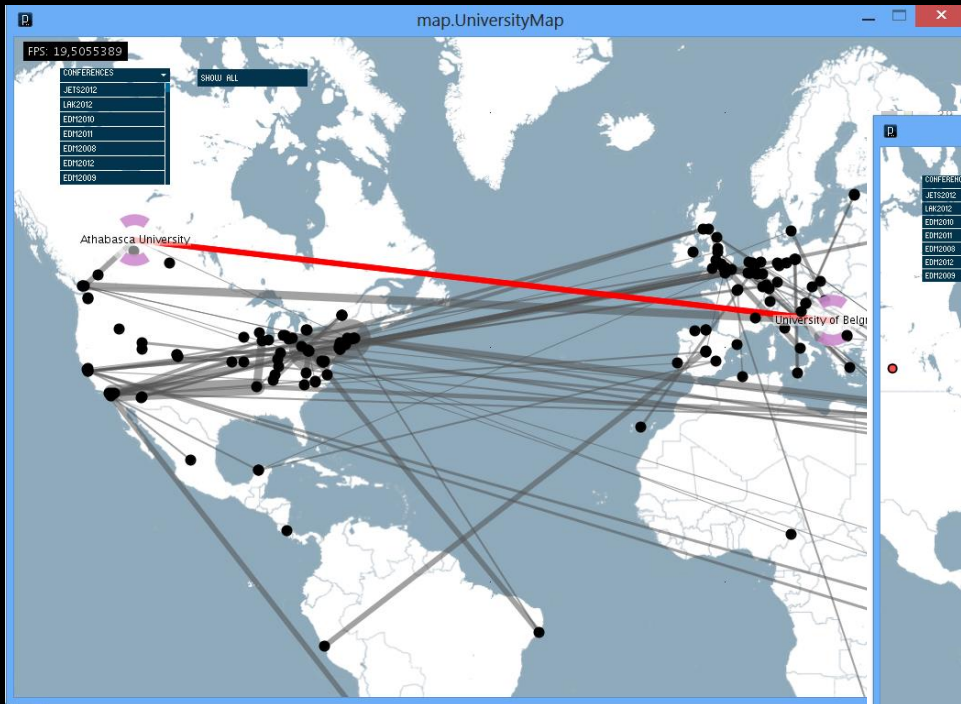


# Final choice

- Currently working on combining all of the previous suggestions
- BarCharts + aggregate map merged
- KeywordMap and Common-paper Map still separate
  - Maybe keep it that way?



# Demo



# Lessons learned

- The hardest part is looking for good questions to ask (with an interesting result or story)
- ControlP5 does the trick but is far from ideal
- It's easy to get 'something' visualized, but it's hard to get all the details right



Lessons Learned

- recognize mistakes
- observe what works
- document them
- share them

# Evaluation method

- Expert evaluation
  - Till
  - prof. Duval
  - Joris, other assistants
  - our fellow students...

