

Semantic Web Navigation Based on Adaptive Views

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Indoor (1)
Inside building (13)
Kitchen (2)
Nature (1)

Time of the day
Evening (2)
Night (14)
Noon (1)
Sunset (37)

Weather
Cloudy (327)
Rainy (39)
Sunny (682)

Refine query

theme Nature

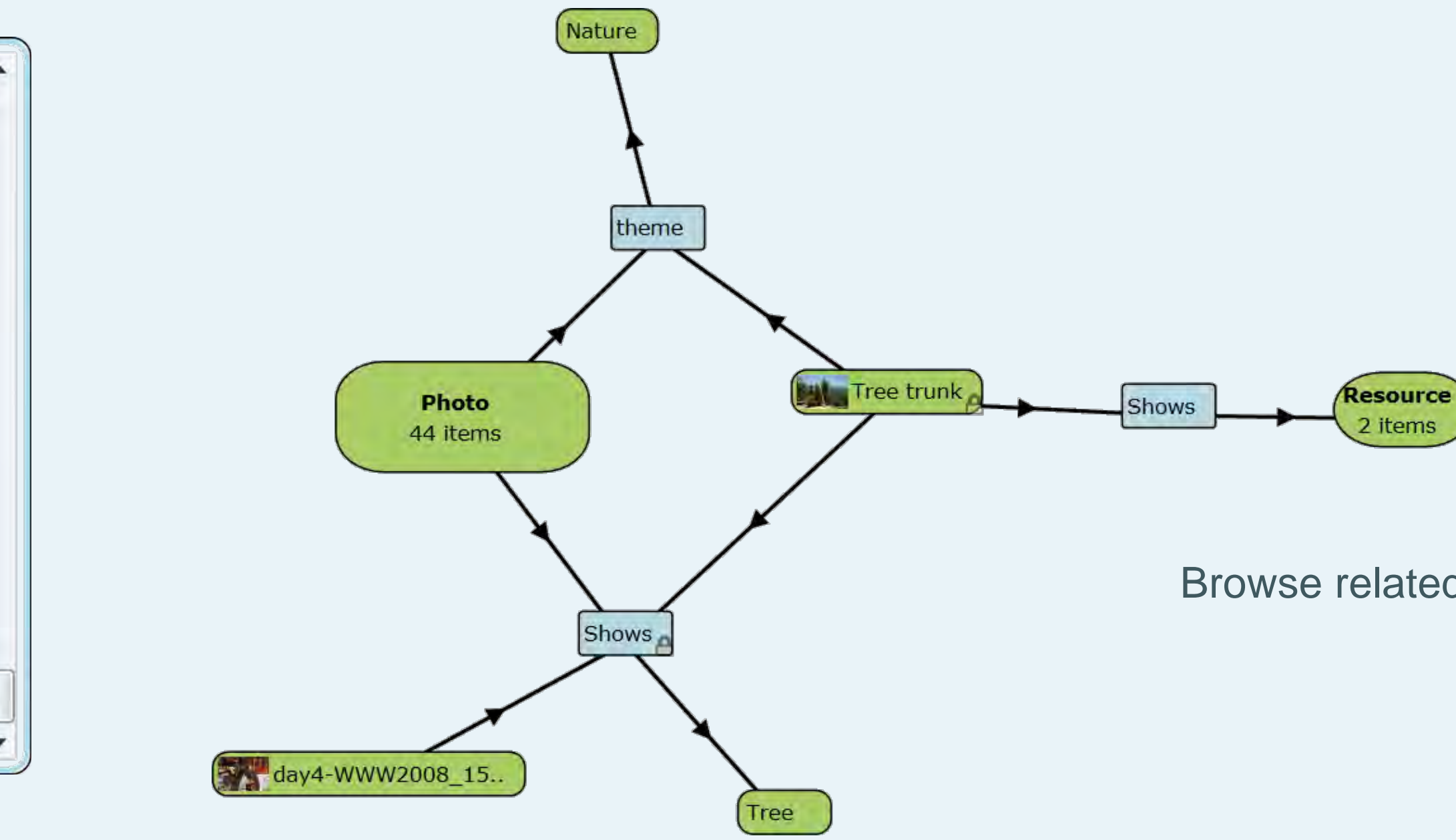
Shows Snow, Shows 2009

Shows Mountain

Shows Sunset, Shows 2008

Shows Tree, Shows Selections

Display result's details



Browse related resources

Users actions during navigation in Web repositories:

1. *Build query* – Faceted browser
2. *Identify desired results* – Hierarchical cluster view
3. *View result* – Adaptive detailed view
4. *Browse related resources* – Zoom-based Graph Navigation
 - a) Literal attribute graph view
 - b) Object attribute graph view
 - c) Restricted RDF graph view
 - d) Full RDF graph view

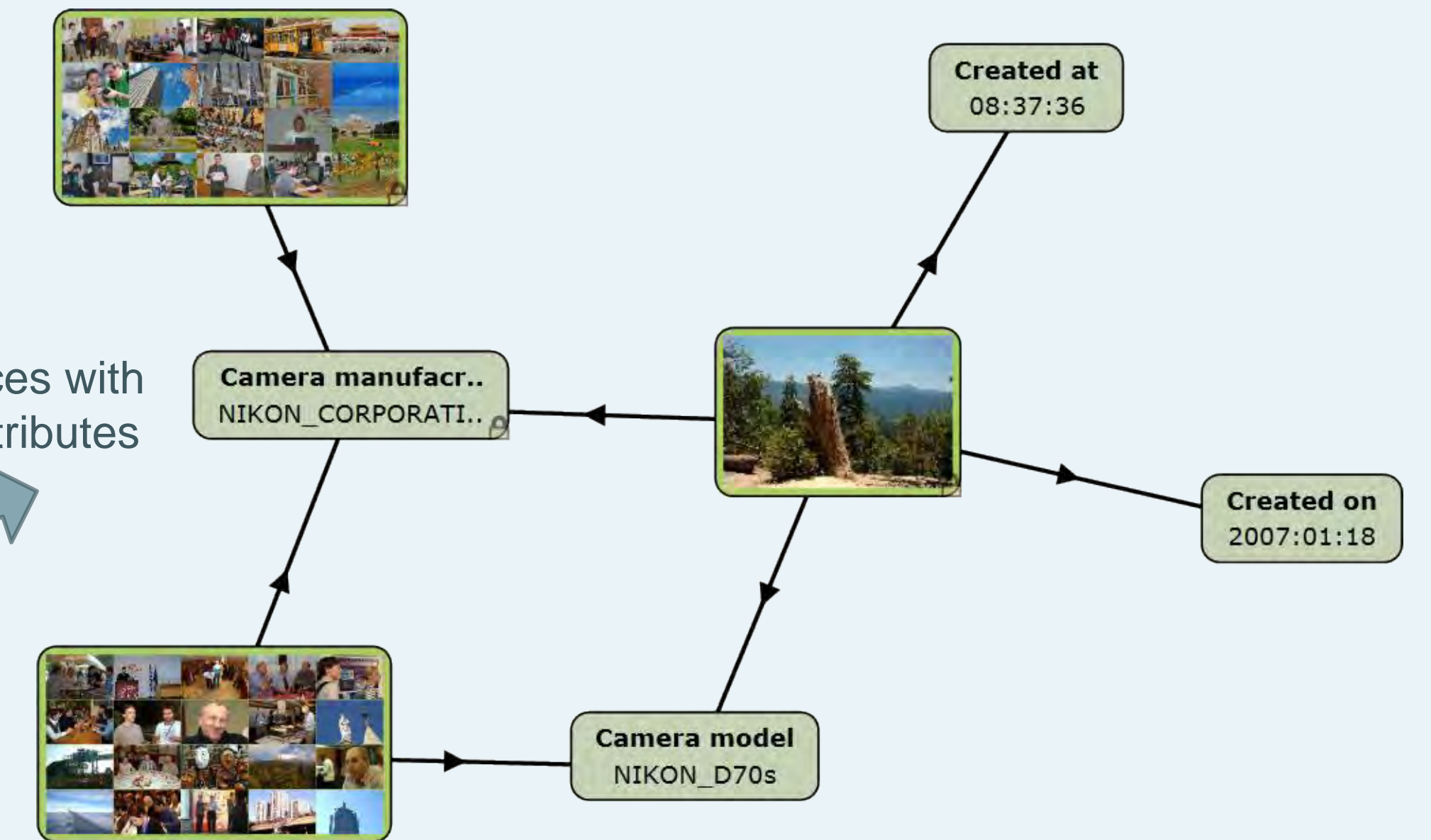
Tree trunk
http://miral.fiit.stuba.sk/ontologies/photo.owl#Photo_a5a0dc1edaf9fa436ef2aa48b99ee7fe

Created on: 2007-01-18
Created at: 08:37:36
Camera manufacturer: NIKON_CORPORATION
Camera model: NIKON_D70s
created with: NIKON CORPORATION NIKON D70s
color: Colored
weather: Sunny
Shows: Selections\2006

Download: 1280x852
2710x1803

Comment:

Browse resources with similar literal attributes

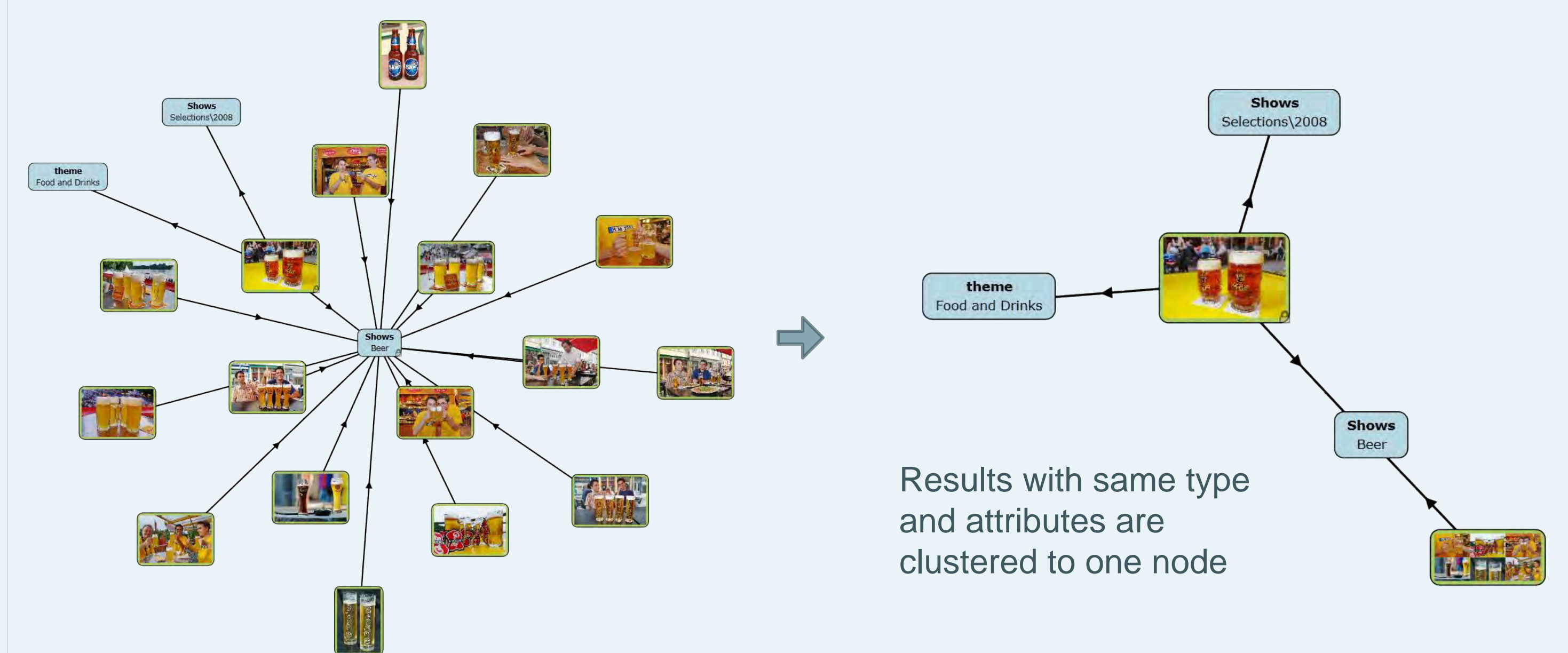


Browse resources with similar object attributes

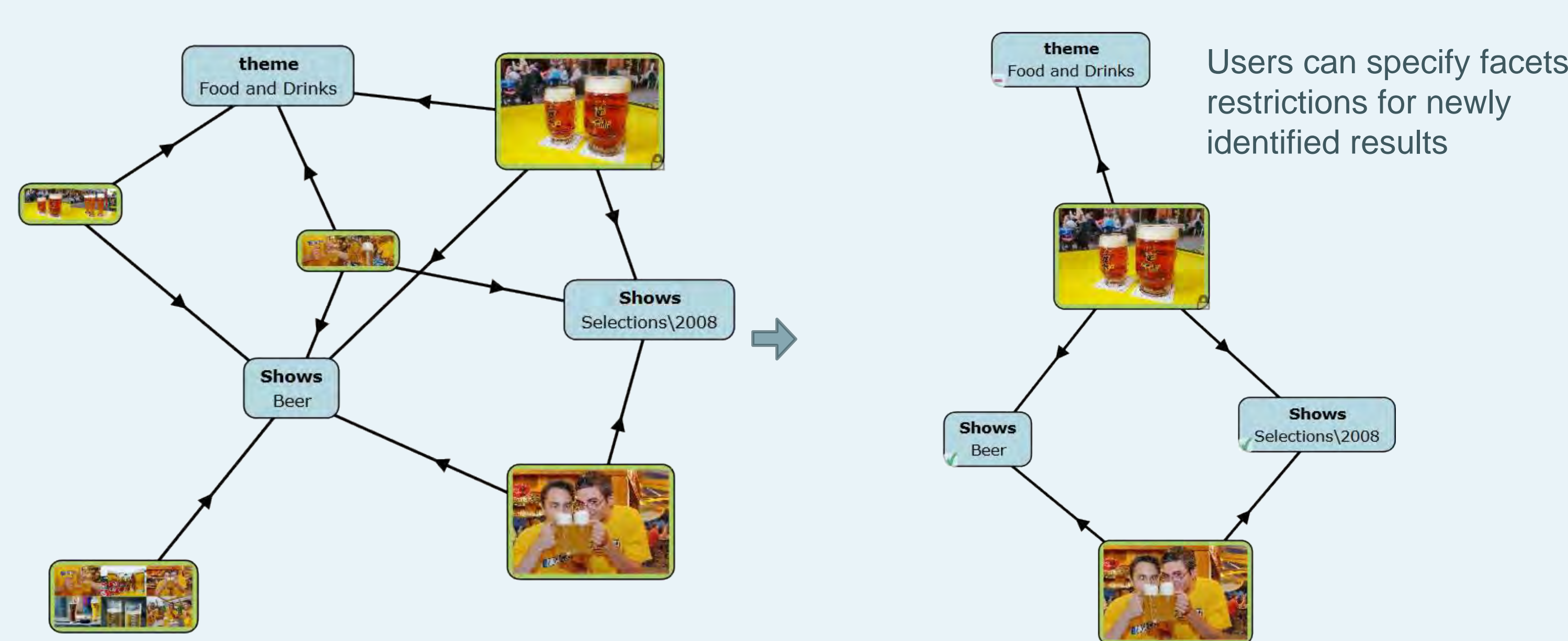
Faceted browser results clustering

Results are categorized to hierarchical clusters

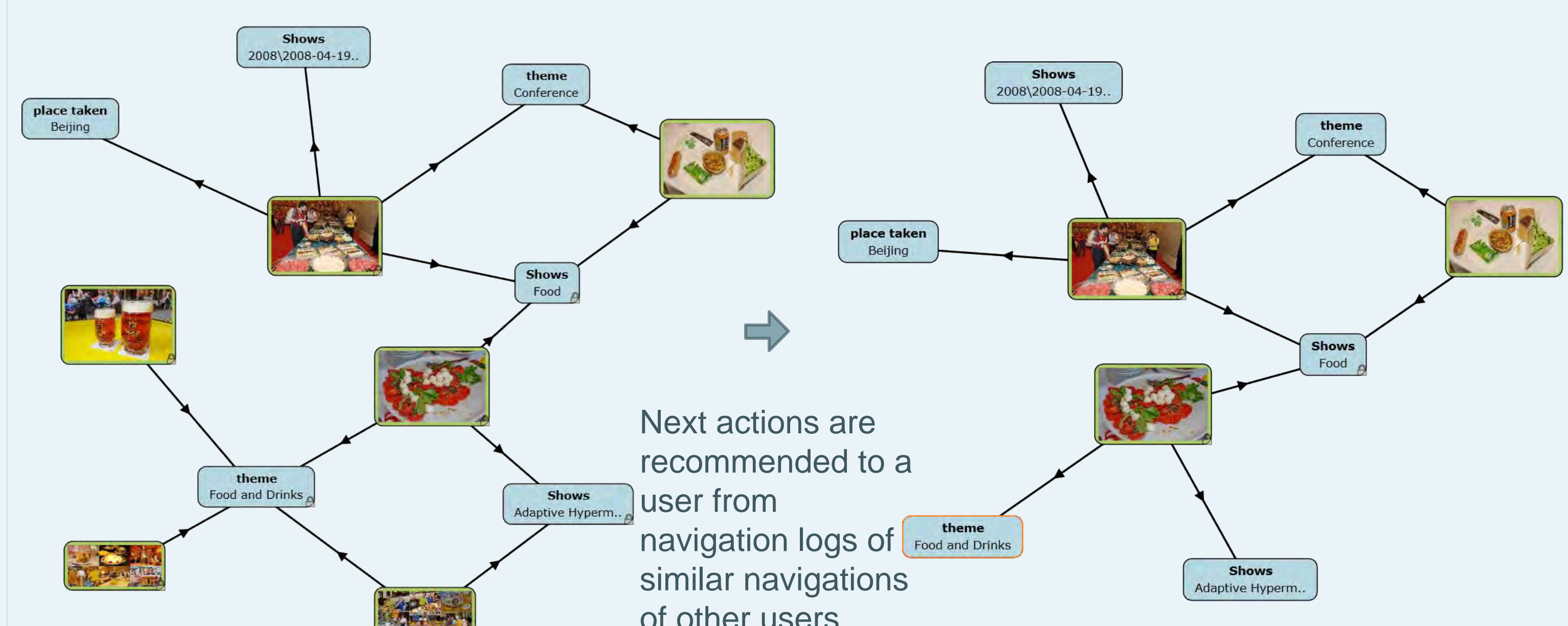
Result clustering in a graph



Facet marking



Next action recommendation



Adaptability to user's interests

