



Semantic Suite

Information- & Datamanagement



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www.semantic-web.at

www.poolparty.biz



@semwebcompany

@lod2project

About Semantic Web Company (SWC)



SWC was founded 2001 in Vienna, Austria



Over 20 experts in linked data technologies



Product: PoolParty Suite (launched 2009)



Serving customers from all over the world



EU- & US-based consulting services

Our core competencies



Semantic Technologies

- Linked Data Technologies
- Metadata Management
- Knowledge Modelling
- Text Mining

Software Engineering

- Agile Software Development
- Enterprise IT Architecture
- Usability Engineering

Semantic IT Consulting

- Requirements Engineering
- Data Engineering
- Change Management
- Knowledge Transfer

Our network: Customers & Partners



Finance / Automotive / Publisher / Health Care / Public Administration / Energy / Education

Customers

- Credit Suisse (SUI)
- Daimler AG (DE)
- Roche Diagnostic (DE)
- Wolters Kluwer (DE)
- World Bank Group (US)
- The Pokémon Company (US)
- Healthdirect Australia (AUS)
- Ministry of Finance (AT)
- Wood Mackenzie (UK)
- Council of the E.U. (BE)
- European Commission (BE)
- TC Media (CAN)
- American Physical Society (US)
- Education Services Australia (AUS)
- Pearson (UK/US)
- Techtarget (US)
- Norwegian Directorate of Immigration (NOR)
- REEEP (worldwide)
- GBPN (FR)
- City of Vienna (AT)
- ...

Partners

- Cognizant (US/UK)
- EPAM Systems
- iQuest (ROM)
- DTI AG (SUI)
- Tenforce (BE)
- **OpenLink Software (UK/US)**
- Ontotext (BUL)
- Brox IT (DE)
- bridgingIT (DE)
- **Wolters Kluwer /DE)**
- Term Management (US)
- Taxonomy Strategies
- Search explained
- WAND (US)
- Digirati (UK)
- KMSolutions
- **Linked Data Factory (NL)**
- **Taxonic (NL)**
- Semweb (IT/SUI)
- University of Leipzig (DE)
- University of Ireland (IR)
- Fraunhofer(DE) ...



PoolParty at a glance - Overview



100% Java/Tomcat

Linux/Windows

Service-oriented

Browser-based GUI

On-premise/cloud



- **user-friendly:** create & maintain vocabularies
- **standards-based:** based on W3C standards
- **graph-based:** natively built on graph databases
- **embedded in ecosystem:** use of linked (open) data
- **best-of-breed:** text mining, taxonomies & ontologies
- **enterprise-ready:** secure, simple to install
- **integrable:** connectors for SharePoint, Drupal, Confluence, WordPress, ... your own CMS?

See how it works!

PoolParty Components



1 Creation of Controlled Vocabulary / Enterprise Thesaurus

- Foundation taxonomies
- Open data, open thesauri
- Diverse lists, sheets, databases
- Taxonomies already in use



- Thesaurus editing & enrichment
- Thesaurus quality management
- Linked data & thesaurus alignment
- Thesaurus as a service



- Faceted search
- Smart search assistants
- Similarity search
- Semantic Search as a service
- Based on Apache Solr

2 Creation of Entity Extractor

- Websites, social media
- Open data
- XML and relational databases
- Enterprise CMS & DMS



- All input data transformed into RDF
- Input data linked to enterprise thesaurus
- All input data categorized and annotated
- Entity extraction/transformation as a service

4 Semantic Search Engine



3 Integration with Enterprise Systems

- Atlassian Confluence
- Microsoft Sharepoint
- Drupal, Wordpress
- more to come & on request



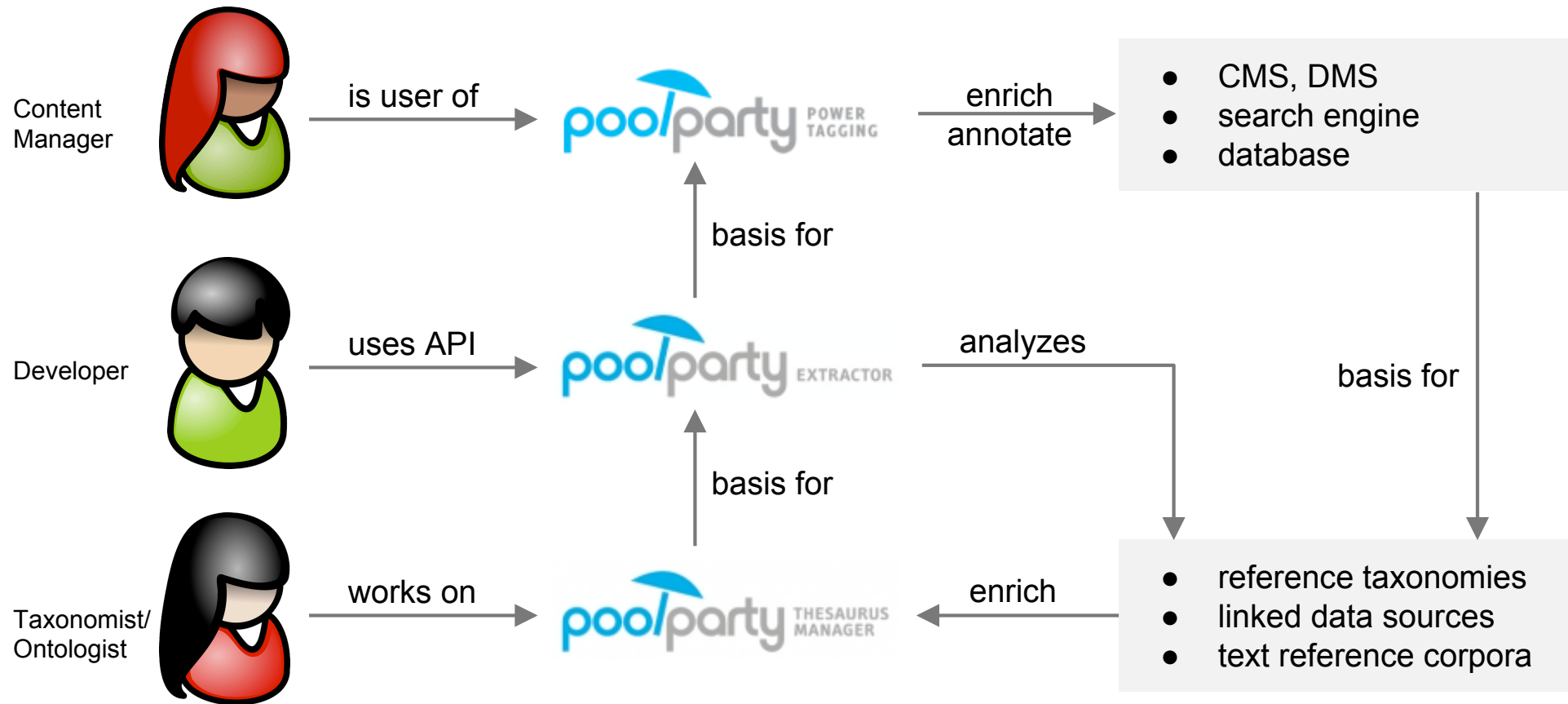
- Tag recommendation
- Semantic indexing
- Content recommendation
- Embedded in usual content workflows

5 Linked Data Warehouse



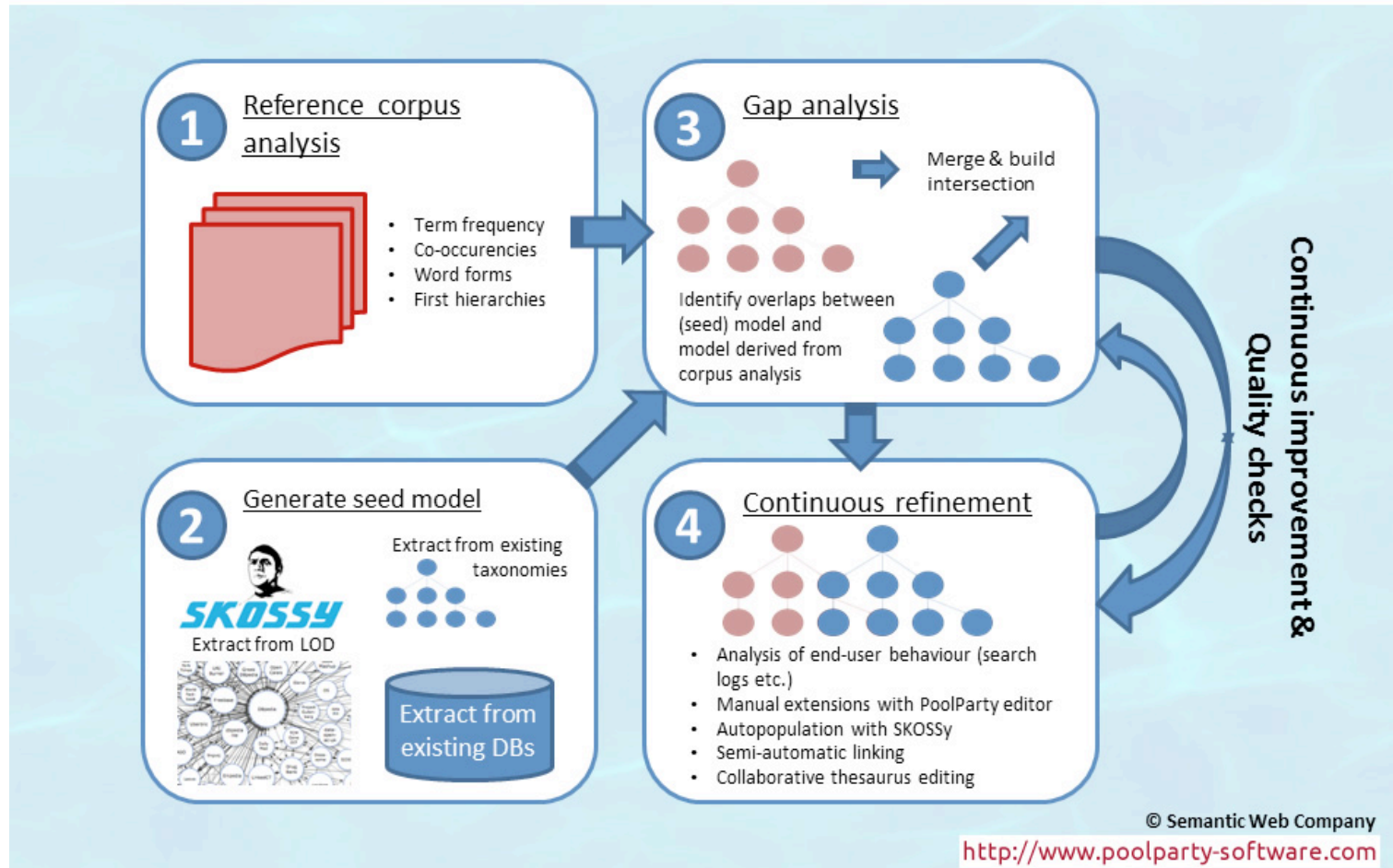
- 360° views on business objects
- Complex queries
- Linked data mashups
- Linked data as a service
- Based on Virtuoso

See how it works: PoolParty Components & Work Flows

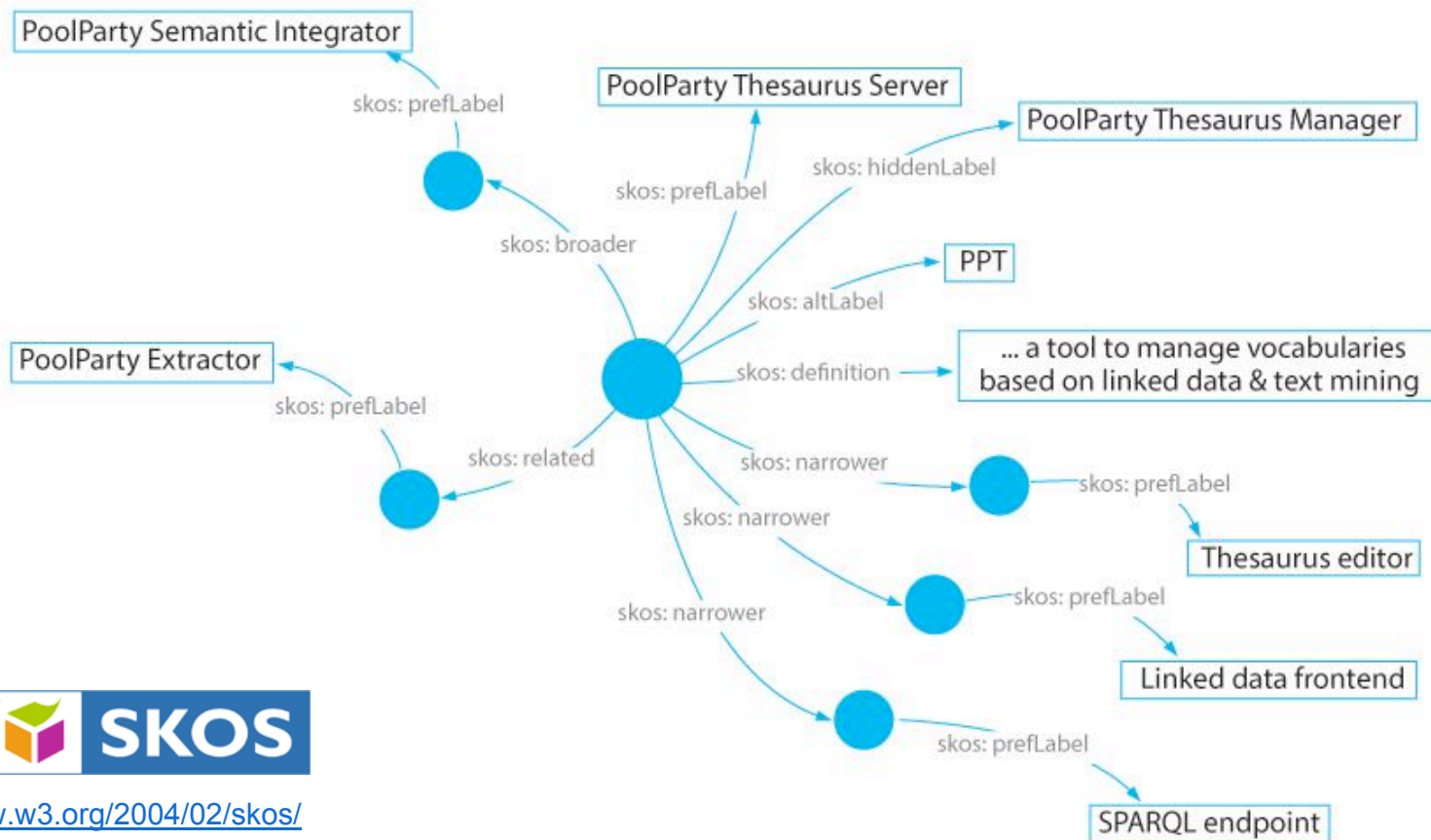




The PoolParty approach for efficient knowledge modeling



SKOS as a 'backbone' of knowledge graphs



<http://www.w3.org/2004/02/skos/>

PoolParty Thesaurus Server from a taxonomist's perspective



Thesaurus Management
as efficient as possible

Integrated Linked Data Harvester

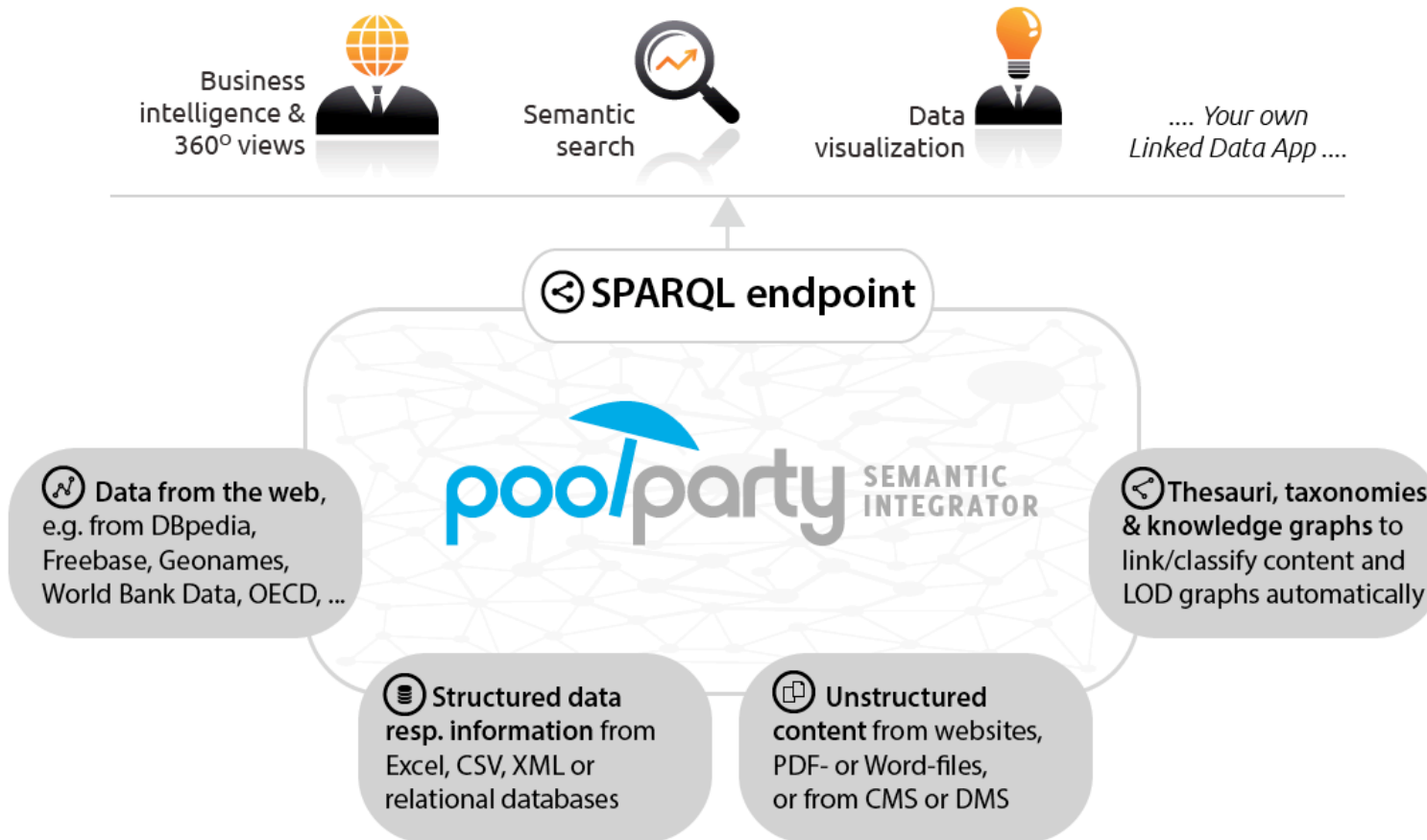
Integrated Quality Management

Integrated Text Corpus Analysis

poolparty

- Comfortable browser-based user interface
 - drag & drop
 - autocomplete
- Rich import/export features
- Built-in corpus management
- Quality management
- Full-blown audit trails & workflow management
- From simple taxonomies over thesauri to ontologies
- Linking of taxonomies
- Linked Data interfaces
- Visual Browser

PoolParty Semantic Integrator: Unified Views on various data sources



based on

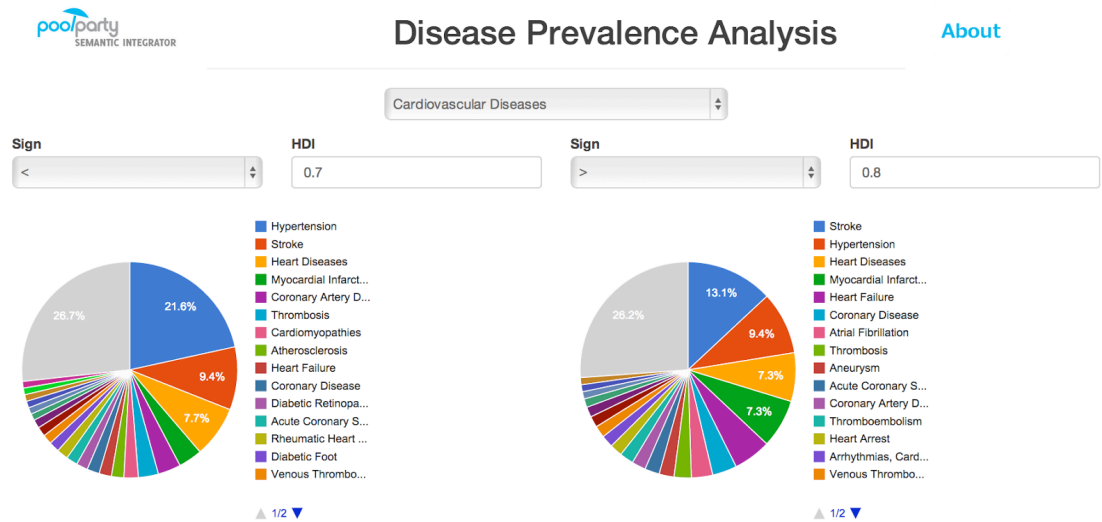


Create business dashboards on the fly



I want to explore medical research trends in relation to regional prosperity.

```
SELECT DISTINCT ?personname ?picture ?countryname ?hdi ?picture
WHERE
{
  ?person skos:prefLabel ?personname .
  ?country skos:prefLabel ?countryname .
  ?person a dbpedia:Person .
  ?country a dbpedia:Country .
  ?person skos:related ?country .
  ?country <http://dbpedia.org/property/hdi> ?hdi .
}
FILTER ( ?hdi < 0.6 )
OPTIONAL
{
  ?person foaf:depiction ?picture .
}
ORDER BY DESC(?hdi)
```



Overweight/obesity and hypertension in schoolchildren aged 6-16 years, Aden Governorate, Yemen, 2009.

Hypertension and obesity in children are increasing concerns worldwide. A cross-sectional study of hypertension in relation to overweight/ob... [\[more\]](#)

The prevalence of type 2 idiopathic macular telangiectasia in two African populations.

Type 2 idiopathic macular telangiectasia (MacTel) is a progressive retinal disease associated with a slow deterioration of visual acuity, st... [\[more\]](#)

Socio-economic status and cardiovascular risk factors in rural and urban areas of Vellore, Tamilnadu, South India.

We examined associations between socio-economic status (SES) indicators and cardiovascular disease (CVD) risk factors among urban and rural ... [\[more\]](#)

Progress in cadmium-related health effects in persons with high

Are stroke units cost effective? Evidence from a New Zealand stroke incidence and population-based study.

Acute stroke units in hospitals are known to be more costly than standard care, but proponents claim that the health gains will justify the ... [\[more\]](#)

The aging population in Sweden: can declining incidence rates in MI, stroke and cancer counterbalance the future demographic challenges?

It is often taken for granted that an ageing population will lead to an increased burden for the health care sector. However, for several di... [\[more\]](#)

Prevalence, mutation spectrum, and cardiac phenotype of the Jervell and Lange-Nielsen syndrome in Sweden.

To explore the national prevalence, mutation spectrum, cardiac phenotype, and outcome of the uncommon Jervell and Lange-Nielsen syndrome (JL... [\[more\]](#)

Contact points & further information



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Linked  

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<http://slideshare.net/semwebcompany>

<http://youtube.com/semwebcompany>

<http://lod2.eu>



10th International Conference on Semantic Systems
Leipziger Kubus, September 4-5, 2014

SEMANTiCS
Leipzig 2014

Transfer//Engineering//Community

