

Linked Open Piracy



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<http://semanticweb.cs.vu.nl/lop/>

IMB Piracy Incident Report 2010

Here are the details of the piracy incident which you have selected to view.

Attack Number: 2010/326
Date: Sat Oct 23 2010
Vessel Type: LPG Tanker
Location detail: Around 98nm east of Mombasa, Kenya
Attack Type: Hijacked

Incident Details:
 23.10.2010: 1235 UTC: Posn 04:14.0S – 041:19.0E Around 98 nm east of Mombasa, Kenya, Off Southern Somalia.

Armed pirates attacked and hijacked a LPG tanker underway. Further details awaited.

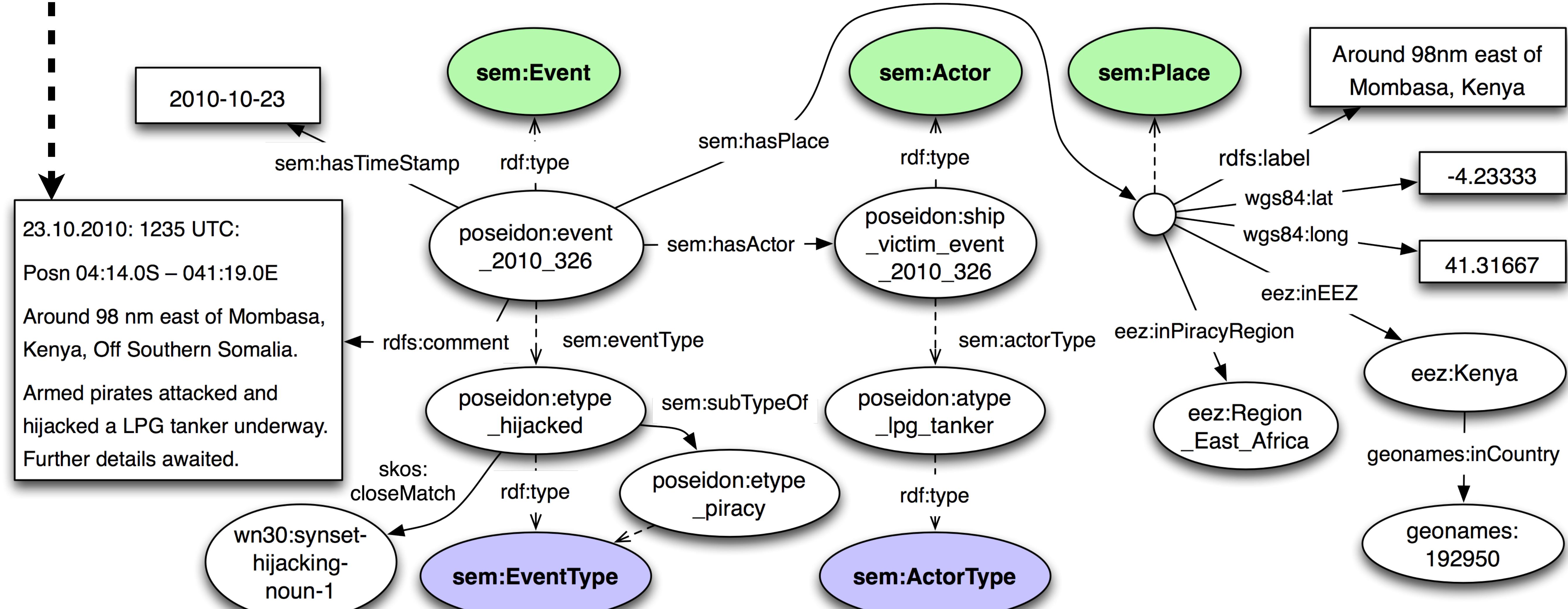
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Abstract

Linked Open Piracy is a Linked Data version of the maritime piracy reports of the International Chamber of Commerce's International Maritime Bureau (ICC-CCS IMB). We create an RDF representation of these event descriptions by screen scraping the ICC-CCS website with XPath and Prolog and representing the events with the Simple Event Model (SEM). The types of the vessels, events, and areas where they take place are mapped to external vocabularies such as Princeton WordNet, FreeBase, and DBpedia. This richer representation of the pirate attacks is easier to process, analyze, and visualize in order to answer domain questions. We host the resulting dataset on a ClioPatria server.

Example XPath expression

//div[contains(@id,"narrations")]/p/text()



The Linked Open Piracy data set now makes it easy to automatically create data plots and visualize the statistics of the events in the data set. Below we show for example the event type plotted against the region as a heat plot with similarity clustering (left) as well as as a stacked bar chart (right). These plots were made with the SPARQL package for R and built-in plotting functions.

