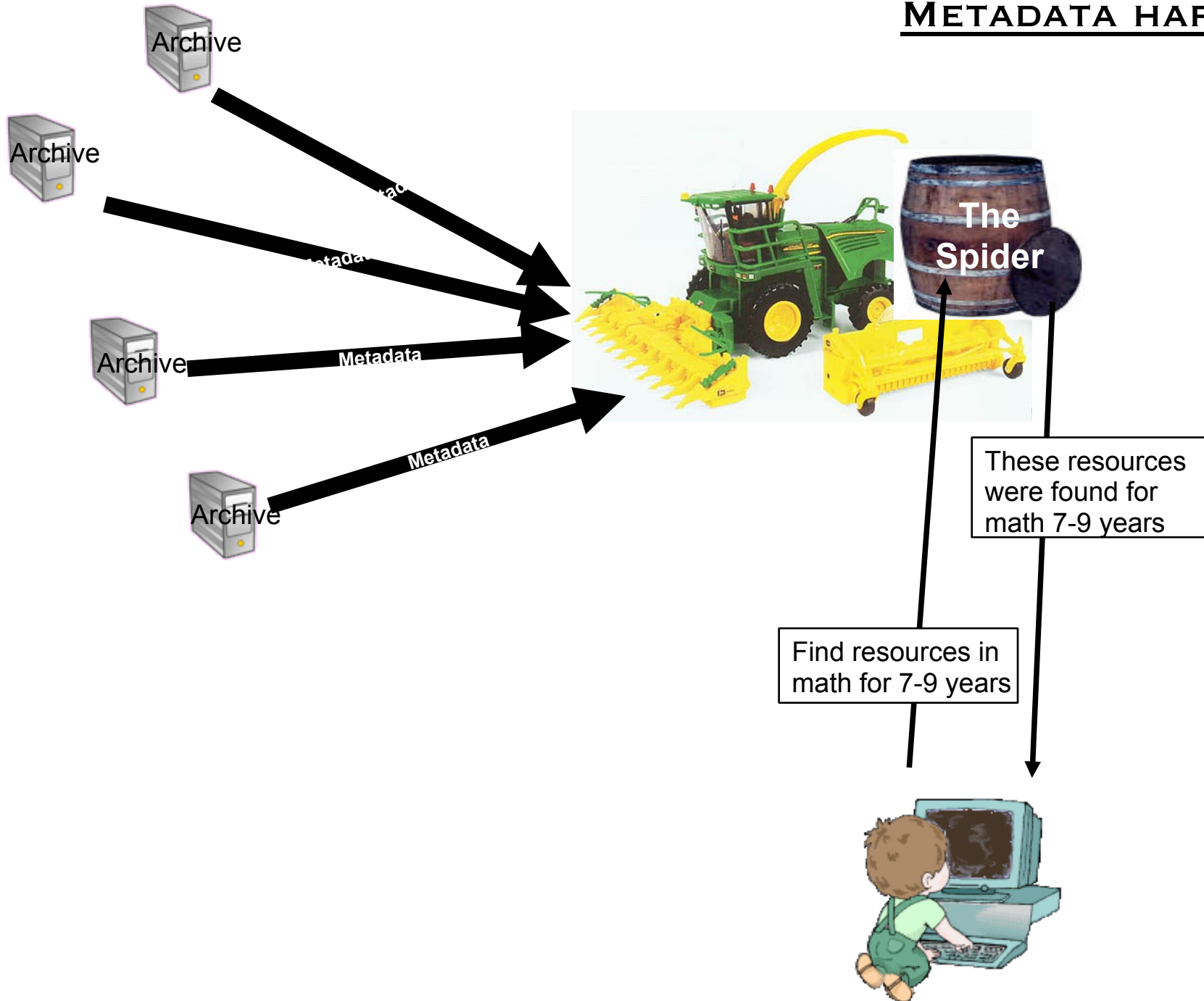




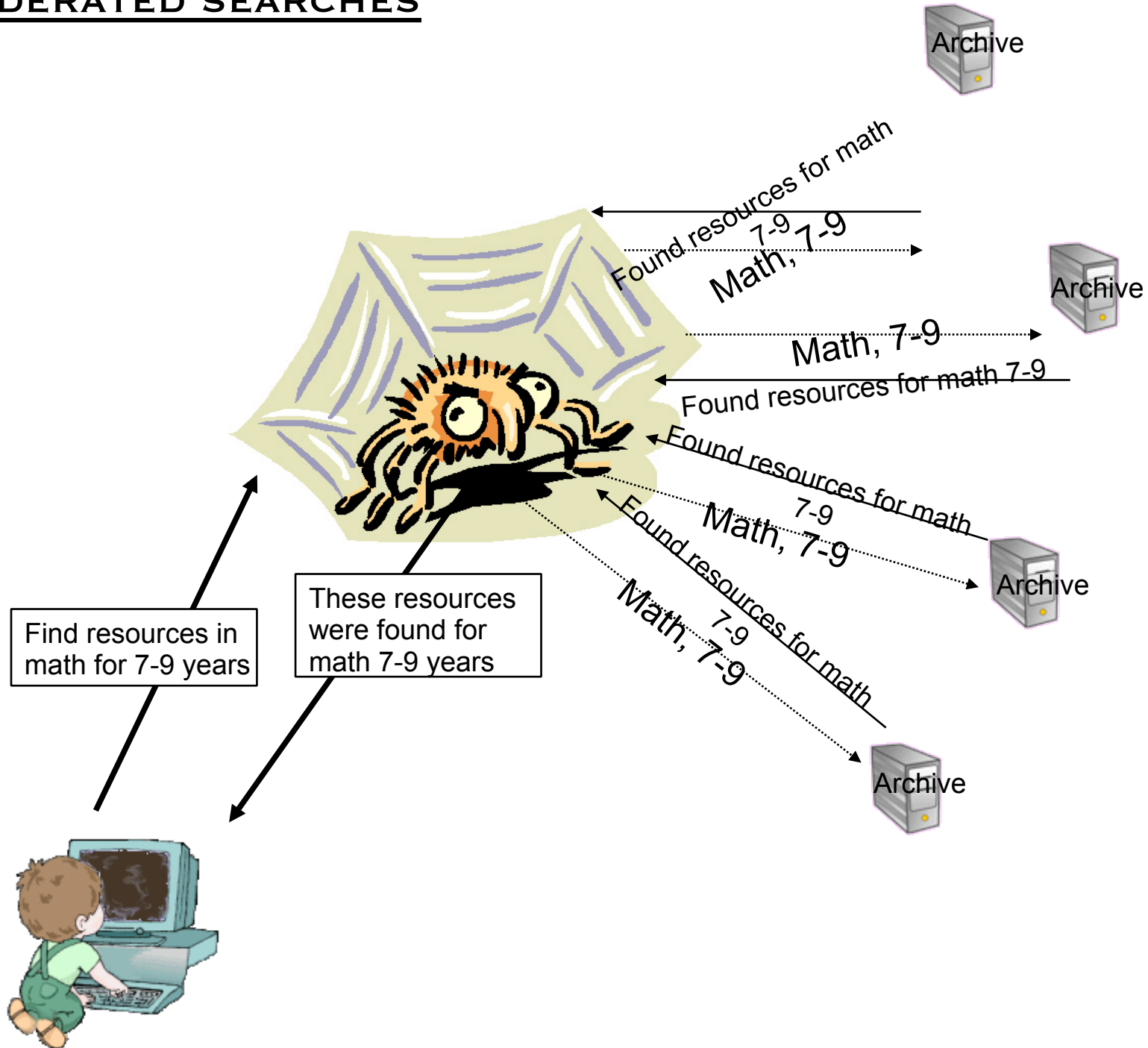


- The Spider Is developed by IML in collaboration with MSU
- Uses two different search approaches
 - Harvesting
 - Federation
(P2P – is also supported but not used)

METADATA HARVEST



FEDERATED SEARCHES





- Supports simultaneous use of several protocols and data formats
- Manages Semantic Web metadata
- Manages metadata according to several standards and Application Profiles (i.e. IM S Metadata, LOM, SWE-LOM, MELT, Dublin Core, RDF etc.)



- Different ways of accessing the spider:
 - Through a portal, such as IT for pedagogues
 - Through other portals
 - "anyone" can build a Spider based portal
 - Through a school intranet or website.
 - The Spider functionality is exposed as a service that can be easily syndicated to any web page using a simple JavaScript, a Portlet, or using the Web Service API.

```
<div style="width: 262px;">
<script>
  var xSrc="http://spindel.n.Impl.umu.se/spindel.n/fireplugin/default-event.action?
render=spindel.n-simple&single=true&dest="+escape(location.href);
  document.write("<"+"script src="+xSrc+"><"+""/script>");
</script>
</div>
```



The image shows a search interface for 'spindel.n', described as 'Söktjänsten för skolan'. It features a search input field, three dropdown menus for 'Alla ämnen', 'Alla åldrar', and 'Alla språk', and a 'Sök' button. A link for 'Sök på fler sätt' is also present.

spindel.n
Söktjänsten för skolan

Sök material för skolarbete från flera olika webbplatser. [Läs mer.](#)

Alla ämnen ▼

Alla åldrar ▼

Alla språk ▼

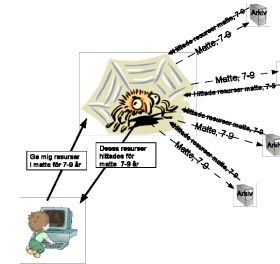
[Sök på fler sätt](#) **Sök**

SYNDICATION OF SEARCH FORMS

1- Javascript at the school portal.

```
<iframe src="http://spindeln.uml.umu.se:9090/spindeln/fire/search.action?render=spindeln-simple" height="400" width="445" frameborder="0" scrolling="auto"></iframe>
```

3- The search query is sent to the Spider service when a user searches.



2- The search form is generated from the Spider service when the page is loaded.

The screenshot shows the school portal interface. The main header is 'IT för pedagoger' and 'IT-resurser för undervisning'. The search form is titled 'SPINDELN - en söktjänst för skolan'. The search form includes a search bar with the text 'Sök material för skolarbete från flera olika webbplatser. Läs mer.' and a search button labeled 'Sök'. Below the search form, there are several search results, including 'Om Spindeln', 'Fakta om digitala lärresurser', and 'Nationella kursprov i matematik'.

4- The results of the query is presented on the portal/web page

The screenshot shows the search results page. The main header is 'IT för pedagoger' and 'IT-resurser för undervisning'. The search results are displayed in a list format, including 'SPINDELN - en söktjänst för skolan', 'Om Spindeln', 'Fakta om digitala lärresurser', and 'Nationella kursprov i matematik'. The search results are presented in a clear and organized manner, with each result having a title, a brief description, and a link to the full article.

The spider service becomes an integrated part of the school's portal. The Spider "tool box" several forms and advanced functionality that can be used and modified by the developer of a Spider-based service. The design is managed using CSS.



- **Future of the Spider**

- New archives are successively added
- Enhancing the metadata quality (SWE-LOM)
- Adding new query languages
- Administrative funktioner
- License management (such as Creative Commons)
- **Tarantella**: a Spider for teacher training
- Collaborati
o
n
with the ABM-sector (Library and museums in Sweden)

Finally...

*Second International Workshop on Search
and*

Exchange of e-le@rning Materials ([SE@M'08](#))

Call open until June 22

<http://seam.eun.org/>

Thank you for listening!

Contact: fredrik.paulsson@educ.umu.se