

Ensuring information about ALSes on ICANN At-Large website are consistent

The listing of At-Large Structures (ALSes) in each of the 5 Regional At-Large Organisations (RALOs) along with their website and wiki page are listed on the ICANN At-Large webpages: <https://atlarge.icann.org/alses/afralo> ; <https://atlarge.icann.org/alses/apralo> ; <https://atlarge.icann.org/alses/euralo> ; <https://atlarge.icann.org/alses/lacralo> ; <https://atlarge.icann.org/alses/naralo>

Here's a partial image of AFRALO's ALS page, showing the listing of 6 ALSes:

The screenshot shows the AFRALO region's ALS page. At the top, there are navigation tabs for AFRALO, APRALO, EURALO, and LACRALO. Below the tabs, a text line states: "The African region has 57 ALSes located in 32 countries and territories". There is a search bar and sorting options (Name, Country, City). The list of ALSes is as follows:

ALS Logo	ALS Name	City	Country	Wiki URL	Web URL
	Action Citoyenne Pour l'information et l'éducation au Développement Durable	N'djamena	Chad	WIKI	Web
	Action pour l'Education et la Promotion de la Femme au Tchad	N'Djamena	Chad		
	Afrikanische Jugendhilfe e.V	Bonn & Accra	Ghana	WIKI	Web
	Age Numerique	Abidjan	Côte D'Ivoire	WIKI	Web
	Anais, AC	Yaounde	Cameroon		
	Association Congolaise des Utilisateurs de Logiciels Libres	Kinshasa	Congo (Dem. Rep.)	WIKI	

As the image shows, for each ALS, there are 6 pieces of information: ALS logo image ; ALS name ; ALS city ; ALS country ; ALS wiki page ; ALS homepage

However, not all ALSes information are complete.

Using the AFRALO example with the first 6 ALSes listed, we can see:

- The 2nd ALS (Action pour l'Education et la Promotion de la Femme au Tchad) has no WIKI page URL or Web URL
- The 5th ALS (Anais, AC) has no WIKI page URL or Web URL
- The 6th ALS (Association Congolaise des Utilisateurs de Logiciels Libres) has no logo and no Web URL.

This missing information affects the HTML used to display the ALS information which in turn makes it difficult to import the ALS information which expects the HTML to be consistent. Having consistent HTML would aid greatly in ICANN's Open Data initiatives as well as help with At-Large tools such as the [Stakeholder Tool](#)

The Stakeholder Tool uses [Google Sheets' IMPORTXML command](#) which allows website data to be imported in a Google Sheet using [Xpath queries](#) .

If we look at the HTML source code for the first 6 ALSes listed on AFRALO's page:

```
<ul class="ralo-list">

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Action Citoyenne ... Developpement Durable</h4><ul class="ralo-region"><li>N'djamena,</li><li>Chad</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/9CiOAw">WIKI</a></p>
<p class="web"><a target="_blank" href="http://aciedd.org/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Action pour ... Femme au Tchad</h4><ul class="ralo-region"><li>N'Djamena,</li><li>Chad</li></ul> </div>
<div class="ralo-links">
<p class="web"></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Afrikanische Jugendhilfe e.V</h4><ul class="ralo-region"><li>Bonn & Accra,</li><li>Ghana</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/2YCv">WIKI</a></p>
<p class="web"><a target="_blank" href="http://www.ayf.de/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Age Numerique</h4><ul class="ralo-region"><li>Abidjan,</li><li>C&#195;&#180;te D'Ivoire</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/WxzRAg">WIKI</a></p>
<p class="web"><a target="_blank" href="http://agenumerique.ci/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Anais, AC</h4><ul class="ralo-region"><li>Yaounde,</li><li>Cameroon</li></ul></div>
<div class="ralo-links">
<p class="web"></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Association Congolaise ...Libres</h4><ul class="ralo-region"><li>Kinshasa,</li><li>Congo (Dem. Rep.)</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/6YCv">WIKI</a></p>
<p class="web"></p>
</div>
</li>
```

Note: The information within the <div class="logo"></div> and <div class="ralo-links"></div> are in smaller text since the focus of this article is about the ALS information within the <div class="ralo-links"></div>

When trying to import the data into Google Sheets via Xpath queries to read the next two URLs whenever there is a <div class="ralo-links"> tag, this is the result

Action Citoyenne Pour l'information et l'éducation au Développement Durable	https://community.icann.org/x/9CiOAw	http://aciedd.org/
Action pour l'Education et la Promotion de la Femme au Tchad	https://community.icann.org/x/2YCv	http://www.ayf.de/
Afrikanische Jugendhilfe e.V	https://community.icann.org/x/WxzRAg	http://agenumerique.ci/
Age Numerique	https://community.icann.org/x/6YCv	http://www.afadec.org/wiki
Anais, AC	http://www.afadec.org/wiki	http://www.a3lbf.bf/
Association Congolaise des Utilisateurs de Logiciels Libres	https://community.icann.org/x/i1x-Ag	http://isoc.td/

This is incorrect, because the HTML is not consistent. Because the 2nd ALS (Action pour l'Education et la Promotion de la Femme au Tchad) has no WIKI page URL or Web URL, the Xpath query finds the URLs for the 3rd ALS (Afrikanische Jugendhilfe e.V) instead resulting in a misalignment of ALS names, ALS wiki pages and ALS websites resulting in incorrect data imported in the Google Sheet.

To correct this, the HTML must be consistent. If there are missing information there still needs to be a <a href> tag and in proper order, Wiki URL followed by the Web Page URL.

So for a ALS that has no Wiki page or Web URL, the HTML should be like

```
<div class="ralo-links">
<p class="web"><a target="_blank" href=""></a></p>
<p class="web"><a target="_blank" href=""></a></p>
</div>
```

And if an ALS has a WIKI page but no web URL, the HTML should be like

```
<div class="ralo-links">
<p class="web"><a target="_blank" href="(wiki url)">WIKI</a></p>
<p class="web"><a target="_blank" href=""></a></p>
</div>
```

And similarly, if an ALS has a web URL but no wiki page, the HTML should be like

```
<div class="ralo-links">
<p class="web"><a target="_blank" href=""></a></p>
<p class="web"><a target="_blank" href="(web url)">Web</a></p>
</div>
```

Here's how the consistent HTML would look for the AFRALO example with changes in red

```
<ul class="ralo-list">

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Action Citoyenne ... Developpement Durable</h4><ul class="ralo-region"><li>N`djamena,</li><li>Chad</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/9CiOAw">WIKI</a></p>
<p class="web"><a target="_blank" href="http://aciedd.org/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Action pour ... Femme au Tchad</h4><ul class="ralo-region"><li>N`Djamena,</li><li>Chad</li></ul> </div>
<div class="ralo-links">
<p class="web"><a target="_blank" href=""></a></p>
<p class="web"><a target="_blank" href=""></a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Afrikanische Jugendhilfe e.V</h4><ul class="ralo-region"><li>Bonn & Accra,</li><li>Ghana</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/2YCv">WIKI</a></p>
<p class="web"><a target="_blank" href="http://www.ayf.de/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Age Numerique</h4><ul class="ralo-region"><li>Abidjan,</li><li>C&#195;&#180;te D'Ivoire</li></ul></div>
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<p class="web"><a target="_blank" href="http://agenumerique.ci/">Web</a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Anais, AC</h4><ul class="ralo-region"><li>Yaounde,</li><li>Cameroon</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href=""></a></p>
<p class="web"><a target="_blank" href=""></a></p>
</div>
</li>

<li>
<div class="logo"><span class="helper">&nbsp;</span></div>
<div class="ralo-title"><h4>Association Congolaise ...Libres</h4><ul class="ralo-region"><li>Kinshasa,</li><li>Congo (Dem. Rep.)</li></ul></div>
<div class="ralo-links">
<p class="web"><a target="_blank" href="https://community.icann.org/x/6YCv">WIKI</a></p>
<p class="web"><a target="_blank" href=""></a></p>
</div>
</li>
```

As mentioned before, if ICANN fixes this bug, it would aid ICANN in its Open Data Initiatives and allow for the At-Large Stakeholder Tool to have the latest up to date information as it pulls the information from At-Large and other ICANN pages.

February 8 2018

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