

Strengthening Knowledge Management for Greater Development Effectiveness in the Near East, North Africa, Central Asia and Europe

Knowledge Portal SEO Status Report



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Action Points and Recommendations

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Report

A report is a separately published record of research findings, research still in progress, policy developments and events, or other technical findings, usually bearing a report number and sometimes a grant number assigned by the funding agency. Also, an official record of the activities of a committee or corporate entity, the proceedings of a government body, or an investigation by an agency, whether published or private, usually archived or submitted to a higher authority, voluntarily or under mandate. In a more general sense, any formal account of facts or information related to a specific event or phenomenon, sometimes given at regular intervals. Source: [COAR](#)

About ICARDA

Established in 1977, the International Center for Agricultural Research in the Dry Areas (ICARDA) is a non-profit, CGIAR Research Center that focusses on delivering innovative solutions for sustainable agricultural development in the nontropical dry areas of the developing world. We provide innovative, science-based solutions to improve the livelihoods and resilience of resource- poor smallholder farmers. We do this through strategic partnerships, linking research to development, and capacity development, and by taking into account gender equality and the role of youth in transforming the non-tropical dry areas.

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Abbreviations

FAIR	Findable, Accessible, Interoperable, Reusable
ICARDA	International Center for Agricultural Research in the Dry Areas
IFAD	International Fund for Agricultural Development
KM	Knowledge Management
KS	Knowledge Sharing
R4D	Research for Development
RoI	Return on Investment
SEO	Search Engine Optimization
SKiM	Strengthening Knowledge Management for Greater Development Effectiveness in the Near East, North Africa, Central Asia and Europe
SMM	Social Media Marketing
SMO	Social Media Optimization
URL	Uniform Resource Locator

Introduction

Search Engine Optimization (SEO) is the set of web practices aimed at making a website and related content easily visible and navigable, in order to obtain a good positioning in the results of search engines queries and a favourable user experience.

SEO is increasingly relevant as search engines are the most common way to navigate the web and draw attention to online content, while user experience optimization ensures website overarching targets to be achieved. SEO for non-profit, Research for Development (R4D) organizations such as ICARDA is essential to ensure and boost the Findability, Accessibility, Interoperability and Reusability (FAIR) of its knowledge, for enhanced Knowledge Sharing (KS).

SEO combine front-end, back-end User Interface (UI) managing skills, to create websites easy to navigate for both users and search engines crawlers, which need to find good quality content right away and in a well-organized, useful fashion. Applying SEO-friendly practices is responsibility of a webmaster, or Knowledge Management Officers with website expertise, and developing teams.

In the framework of the Strengthening Knowledge Management for Greater Development Effectiveness in the Near East, North Africa, Central Asia and Europe (SKiM) project, ensuring SEO of the Knowledge Portal (KP) is a best practice with potential to scale and be transferred to project stakeholders.

The Status Report has been carried out, in order to correctly assess the managing practices of the KP over time and identify the strategic measures needing implementation.

The total time spawn of the activity is of 4 to 6 months – depending on the results achieved, encompassing the following activities:

January to February 2020	Observation and analysis
March 2020	Baseline Status Report
May to December 2020	Observation and analysis
December 2020	KP SEO Upgrade
December 2020	Final Status Report

The work carried out aimed at ensuring that SKiM Knowledge Management Portal is SEO efficient for enhanced user experience and overall effectiveness.

Overall Reporting Steps

The SEO strategy has been based on ICARDA [MELSpace SEO Final Status Report](#), in the perspective of the SKiM dissemination objectives of 5000 yearly visits and downloads of project's online products.

The primary tasks were to:

1. Review <https://knowledgemanagementportal.org> in SEO perspective.
2. Observe and analyse the data from SEO tools.
3. Produce action points.

Target

The URL target of SEO analysis is <https://knowledgemanagementportal.org> and related subpages.

Team Members and Responsibilities

The team members and related roles are hereby listed:

- 1) Valerio Graziano: Knowledge Management Officer (KMO).

Status of “https://knowledgemanagementportal.org”

Observation period: full year 2020.

Active URL disseminations practices: SKiM documents, events and newsletters KP URL dissemination.

Active Google campaigns: none.

Active filters: SKiM team IP addresses.

Overview

Overview							
Unique Users				Returning Users (Unique Users %)			
866				194 (18.4%)			
All Page Views		Unique Page Views		Average Time on Page			
6299		2816		1' 33"			
Sessions (Average per User)		Average Session Duration		Average Bounce Rate		Average Exit Rate	
1493 (1.72)		4' 59"		49.77% ^a		23.70% ^b	
Most Viewed Pages		All Views	Unique Views	Average Time on Page	Bounce Rate	Exit Rate	Type
/portal ^c		1279	469	1' 03"	17.02%	17.02%	Home
/n/portal ^c		667	317	22"	4.65%	4.65%	Home
/n/capdev/5702/knowledge-management-and-capacity-development-best-practice-valorization-and-transfer-of-research-results		471	357	5' 55"	82.30%	82.30%	CapDev
/institution/dashboard		336	106	2' 59"	25.00%	25.00%	Institution
/n/capdev/5965/virtual-learning-route-on-knowledge-management-best-practices-in-sudan		248	179	4' 27"	75.84%	75.84%	CapDev
Demographics							
EN		IT		FR		ZH	
62,02		14.50%		7.94%		2.07%	
U.S.A.	Italy	Sudan	Jordan	Morocco	India	China	Others
19.14	18.58%	6.76%	5.29%	4.73%	4.05%	3.38%	38.07%

a) The **bounce rate** is high, this usually happens when the page takes long time to load, the users cannot understand quickly the nature of the website or cannot orient themselves quickly enough.

Recommended actions:

- Improve the pagespeed of the website applying for each page the recommendations of the <https://developers.google.com/speed/pagespeed/insights/> tool, bringing the mobile score at least to an average score of 50 and the desktop score to at least a good score of 90.
- Insert an introductory text and more text content for each page. This text can be located in the highest part of the pages right below the header.
- Insert a navigation menu in the header, between the existing header and the introductory text (see previous point).
- Enrich the footer with internal links by category of content.

b) The **exit rate** is high, this usually happens when users don't find valuable the navigation experience.

Recommended actions:

- Insert a search function in the header, optimally aside the login button.
- Insert options for sharing content.
- Make logos hyperlinks more explicit with a shadowing effect on mouse over.

c) **KnowledgeManagementportal.org/portal** is the original URL planned to be home to the website. The website development team has introduced “/n/” before that in order to make use of **mel.cgiar.org** technology, giving a final URL of **knowledgeManagementportal.org/n/portal**.

However, the coexistence of both URLs and related subpages (/portal and /n/portal) splits traffic data and affects the navigation experience, plus it can demote the website in Google ranking if interpreted as duplication of content.

Recommended actions:

- Eliminate the /portal sub-page and all related subpages. Alternatively, redirect /portal sub-page and all related sub-pages to their /n/portal counterparts, apply them the tag NoIndex and make orphan (remove all links to them).
The introduction of “/n/” has been deemed necessary by the development team and unchangeable, this solution allows to keep it. All of the other recommendations in this report keep /n/.
- The optimal solutions would see /n/ and related sub-pages removed (eliminated or redirected to their /portal counterparts, NoIndex tag applied and made orphans), and /portal and related sub-pages becoming the website.
If this solution is chosen, apply it to all other recommendations in this report.

Unique Sessions per Source of Traffic								
Direct			Organic		Social		Referral	
490			164 ^d		143		104 ^e	
Goal Conversion Rate			Goal Conversion Rate		Goal Conversion Rate		Goal Conversion Rate	
10.66%			1.38%		0% ^f		2.91%	
Goals								
Goals Completions	Abandonment Rate	1 Page Viewed per Session	2 Page Viewed per Session	3 Page Viewed per Session	15 Seconds of Navigation	30 Seconds of Navigation	Institutional Page Viewed	Login
3448	9.07%	1456	720	273	387	346	160	106

d) The **organic traffic**, the one arriving on the website through search engines – most notably Google, is low, this can be increased.

Recommended actions:

- Increase the website performance by implementing the recommendations of this report, see also “Google Performance” below.

- e) The **referral traffic**, the one arriving on the website through a direct link from another source, is low, this can be increased.

Recommended actions:

- Build a natural links profile, having both SKiM and non-SKiM actors linking the website in relevant products and media, avoiding creating a “ring” of only fabricated links which can demote the website.

- f) The **goal conversion rate** or the social flow is none. This can be increased.

Recommended actions:

- Employ a Social Media Strategy encompassing Social Media Optimization (SMO) and Social Media Marketing (SMM), to increase the quality of the posts and the engagement created. Alternatively, by establishing a practice group on social media, the Rol of social media efforts can be increased as well.

Technologies		
Desktop	Mobile	Tablet
79.6%	18.8% ^g	1.5%

- g) The **mobile traffic** can be increased.

Recommended actions:

- Improve the findability and the usability of the website by implementing the recommendations of this report, see also “Google Performance” below.

Google Performance		
Queries	Positioning	
knowledge management portal	28.7 (Average) ^h	
knowledge management portals	1 (Highest)	
sks sudan	101 (Lowest)	
icarda morocco		
www.uofk.edu		
Pages	Clicks	Impressions
https://knowledgemanagementportal.org/	38	1780
https://knowledgemanagementportal.org/n/portal/institution/5/international-center-for-agricultural-research-in-the-dry-areas-icarda	20	1151
https://knowledgemanagementportal.org/n/capdev/2850/bug-data-in-	5	130
https://knowledgemanagementportal.org/n/portal/institution/2845/sudanese-knowledge-society-sks	3	96
https://knowledgemanagementportal.org/n/portal/institution/212/university-of-khartoum-uof-k	2	38
Google Page Rank ¹		
0/10 ^h		
Domain Authority ²		
4		

- h) The overall **positioning** of the website is low-average – given the specific queries – and improvable, as

¹ Provided by [Check Page Rank](#).

² Provided by [MOZ](#).

the **page rank** (metrics based on the website links profile) show. The performance according to Google is indicative of the performance on the majority of search engines in use.

Recommended actions:

- Apply the NoIndex tag to the following pages.

URL	Reason
https://knowledgemanagementportal.org/n/portal/termsprivacy	Not relevant for the user

- Apply the NoFollow quality to the following links.

Link	Location	Anchor Text	Reason
https://knowledgemanagementportal.org/n/portal/termsprivacy	Home footer	Terms of Use Privacy Policy	Not relevant to Google

- Delete the following URLs – or – apply the NoIndex tag and make orphans.

URL	Reason
https://knowledgemanagementportal.org/n/null	Not needed
/404	
https://knowledgemanagementportal.org/portal/null	Not needed, also see point (c)

- Edit the following parent URLs and sons as illustrated.

Actual Parent URL	Next Parent URL	Actual Son URL	Next Son URL
https://knowledgemanagementportal.org/n/portal/more/all/news/1	https://knowledgemanagementportal.org/n/portal/news	https://knowledgemanagementportal.org/n/portal/more/all/news/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/news/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/all/projects/1	https://knowledgemanagementportal.org/n/portal/projects	https://knowledgemanagementportal.org/n/portal/more/all/projects/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/projects/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/partners/1	https://knowledgemanagementportal.org/n/portal/partners	https://knowledgemanagementportal.org/n/portal/more/all/partners/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/partners/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/all/publications/1	https://knowledgemanagementportal.org/n/portal/publications	https://knowledgemanagementportal.org/n/portal/more/all/publications/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/publications/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/all/crossroad/1	https://knowledgemanagementportal.org/n/portal/networks	https://knowledgemanagementportal.org/n/portal/more/all/crossroad/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/networks/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/all/resources/1	https://knowledgemanagementportal.org/n/portal/resources	https://knowledgemanagementportal.org/n/portal/more/all/resources/2 then 3 then 4	https://knowledgemanagementportal.org/n/portal/resources/page?s=1 then 2 then 3...

https://knowledgemanagementportal.org/n/portal/institution/5/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda		
https://knowledgemanagementportal.org/n/portal/more/5/news/1/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/news	https://knowledgemanagementportal.org/n/portal/more/5/news/2/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/news/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/5/projects/1/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/projects	https://knowledgemanagementportal.org/n/portal/more/5/projects/2/international-center-for-agricultural-research-in-the-dry-areas-icarda then 3 then 4	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/projects/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/5/publications/1/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/publications	https://knowledgemanagementportal.org/n/portal/more/5/publications/2/international-center-for-agricultural-research-in-the-dry-areas-icarda then 3 then 4	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/publications/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/5/crossroad/1/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/networks	https://knowledgemanagementportal.org/n/portal/more/5/networks/2/international-center-for-agricultural-research-in-the-dry-areas-icarda then 3 then 4	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/networks/page?s=1 then 2 then 3...
https://knowledgemanagementportal.org/n/portal/more/5/resources/1/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/resources	https://knowledgemanagementportal.org/n/portal/more/5/resources/2/international-center-for-agricultural-research-in-the-dry-areas-icarda then 3 then 4	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/resources/page?s=1 then 2 then 3...

- According to the new website structure recommended in this report, write [sitemap.xml](#) and [robots.txt](#) and upload them to [/sitemap.xml](#) and [/robots.txt](#). The robots.txt file shall disallow all son URLs (/page?s=1 then 2 then 3... see table above).
- Apply the following Rel="canonical" metadata as illustrated.

Son URL	Rel="canonical"
https://knowledgemanagementportal.org/n/portal/news/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/news
https://knowledgemanagementportal.org/n/portal/projects/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/projects
https://knowledgemanagementportal.org/n/portal/partners/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/partners
https://knowledgemanagementportal.org/n/portal/publications/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/publications
https://knowledgemanagementportal.org/n/portal/networks/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/networks
https://knowledgemanagementportal.org/n/portal/resources/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/resources
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/news/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/news
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/projects/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/projects
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/publications/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/publications
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/networks/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/networks
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/resources/page?s=1 then 2 then 3...	https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/resources

- Enrich the website pages with text metatags by URL.

Meta Description	Meta Keywords	H1	H2
Rich description of the content	Mix of simple keywords and long tail keywords	Header	Sub-header

- Enrich the website pages with structured data schema according to the URL as by table below. The tool <https://search.google.com/structured-data/testing-tool> shall be used to check and validate it.

URL	Schema
https://knowledgemanagementportal.org	https://schema.org/WebSite
https://knowledgemanagementportal.org/n/portal	https://schema.org/WebPage
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda	https://schema.org/ProfilePage
https://knowledgemanagementportal.org/n/portal/news and sons	https://schema.org/CollectionPage
https://knowledgemanagementportal.org/n/portal/projects and sons	
https://knowledgemanagementportal.org/n/portal/partners and sons	
https://knowledgemanagementportal.org/n/portal/publications and sons	
https://knowledgemanagementportal.org/n/portal/networks and sons	
https://knowledgemanagementportal.org/n/portal/resources and sons	

https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/news and sons	
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/projects and sons	
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/publications and sons	
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/networks and sons	
https://knowledgemanagementportal.org/n/portal/international-center-for-agricultural-research-in-the-dry-areas-icarda/resources and sons	
https://knowledgemanagementportal.org/n/capdev/2850/bug-data-in-agriculture	https://schema.org/Report

Comments on “<https://knowledgemanagementportal.org>”

The portal has increased its performance more than 1000% according to traffic, users, domain authority and overall findability on Google. Given that no substantial modification to the portal has occurred within the period of observation, the increase in efficacy is to be deemed **organic**, due to the **enhancement of the portal content** and the realisation of strategically sound **dissemination campaigns**.

The website is, as of 2020, in an average state of sustainability SEO wise. The recommendations in this report are strongly advised to be implemented, in order to tap the full potential of the website and ensure continuity of its traffic. Optimal SEO shall contribute to ensure a steady flow of users interested in the portal content, making the website less reliant by dissemination campaigns and specific communication efforts.

Strengthening Knowledge Management for Greater Development Effectiveness in the Near East, North Africa, Central Asia and Europe (SKiM) is a grant project led by ICARDA and funded by IFAD. The project also works with international partners CIHEAM-Bari, PROCASUR, Virginia Tech as well as NARS, governments, and agricultural extension services in Moldova, Morocco and Sudan.

Initiated in June 2018, the project facilitates and supports KM and capacity development activities in the three selected countries and will provide practical examples of KM best practices that will be analysed and adopted by participating institutions. Increasing the capacities of participating public institutions, by providing necessary structures and systems at the country and regional levels, will ensure that knowledge can be effectively managed for long-term growth and development.

The project website (<https://mel.cgiar.org/projects/SKIM>) provides background information and describes the project team, partners and stakeholders engaged. The website also shares key documents including the project proposal, and outlines the goals, objectives and impact pathway of the project, as well as additional resources and information on news and events.

