Toward an application profile for enhancing Agri-Nutrition knowledge discovery in Kenya

Best Practice Presentation. Dublin Core Metadata Initiative Virtual Conference, September 24, 2020

Humphrey Keah
Communications Consultant. Food & Agriculture Organization of the United Nations (FAO), Nairobi (Kenya)

Jane Wambugu
Head of Agri-Nutrition. Ministry of Agriculture, Livestock and Fisheries, Nairobi (Kenya)

George Obanyi
Senior Communications Officer. Family Health International (FHI), Nairobi (Kenya)
CONTENT

1.0  About the Kenya National Agri-nutrition Conference

2.0  Communication for Agri-nutrition Conference

3.0  Metadata Management
About the Kenya National Agri-nutrition Conference

Introduction

• Inaugural Agri-nutrition Conference conceptualized and planned by Ministry of Agriculture, Livestock and Fisheries (MoALF)

• Agri-nutrition is a rebranding from Home Economics
About the Kenya National Agri-nutrition Conference

Introduction

• Financial & technical support provided by respective Ministries and organizations represented
Why Agri-nutrition Conference?

SDG 2
• End hunger and achieve food and nutrition security

Kenya Constitution 2010
• Right to food

Kenya Vision 2030
• Investment in Agriculture for food and Nutrition
Why Agri-nutrition Conference?

- Part of Big 4 agenda of the President
- Agriculture Sector Transformation and Growth Strategy 2019-2029
- 100% food and nutrition security
- Showcase Agri-nutrition experiences
- Platform for experience sharing in role of agriculture in improving nutritional outcomes
- Bridging disconnect between nutrition and agriculture
Trends in Agri-Nutrition Conference

Collaborators
11 organizations part of Conference Organizing Committee

Partners
25 organizations
Agri- Nutrition Conference Activities

1. Unveiling key documents
   ii. Agri- Nutrition Dialogue cards (14)
   iii. Kenya Food Composition Tables, 2018
   iv. Kenya Food Recipes Book, 2018
   v. National Dietary and Health Guidelines
   vi. Agri- Nutrition Curriculum

2. Exhibition of materials and posters presentation

3. Topical presentations by key speakers

4. Panel discussion
What Next?

• Research findings and evidence based intervention to inform policy
• Capacity building of policy development and implementing units
• Collaboration and partnerships
• Exposing investment opportunities for nutrition
• Bridging the disconnect between nutrition and Agriculture
Communication for Agrinutrition Conference

Communication solutions

• Brand and position annual conference flagship event for agrinutrition unifying logo for conference

• Extensive pre-event promotion

• Post-event dissemination and learning activities
Communication for Agrinutrition Conference

Challenge:
Lack of national reference and training materials

Knowledge products:
• In-service training curriculum
• National recipe book
• Agri- Nutrition resource manual
• Agri- Nutrition Dialogue cards (14)
• Kenya food composition tables 2018
• National Dietary and health guidelines
Communication for conference – mass media

Mass media – Print & Online

• https://www.standardmedia.co.ke
• http://www.mediamaxnetwork.co.ke
• https://www.thestar.co.ke/
• https://www.kenyandigest.com
• https://www.nation.co.ke/
• https://www.businessdailyafrica.com
• https://www.youtube.com

Social media
#agrinutrition
Communication for agrinutrition conference

• Mass media – TV
• Prime time new on major channels
• Pre-event talk show appearances
• Townhall style segment in 3rd conference
Communication for agrinutrition conference

Conference website
- Online registration
- Program
- Livestreaming content
- Repository
  - Abstracts and presentations
  - Final conference report
  - Conference videos and photos

Agrinutrition portal
- Curation of growing body of field experiences
- Exchange of emerging & best practices
- Practitioner listservs/communities of practice
- Online training and learning events
Metadata Management
Agri-Nutrition Conference to AGRIS data provider
Metadata Management

Examination of knowledge products

- Book of Abstracts
- In-service Training Curriculum
- Conference Programs
- Posters
- National recipe book
- National Dietary and health guidelines
Metadata Management

Standardized metadata required to share Agri-nutrition knowledge products

Created Mendeley Archive of Agri-nutrition knowledge products
Metadata Management

Mendeley Archive of Agri-Nutrition knowledge products

Library of 47 items
Metadata Management

Mendeley Archive of Agri-Nutrition knowledge products

Knowledge product

3rd National Agri-Nutrition Conference
Sept 24th – 26th 2019

Conference Abstracts and Program

Metadata
Metadata Management

Mendeley Archive of Agri-Nutrition knowledge products
## Metadata Management

### Common Metadata for Agri-Nutrition knowledge products

<table>
<thead>
<tr>
<th>AGRI-NUTRITION CONFERENCE METADATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knanp:Author</td>
</tr>
<tr>
<td>Knanp:Affiliation</td>
</tr>
<tr>
<td>Knanp:Corporate_author</td>
</tr>
<tr>
<td>Knanp:Title</td>
</tr>
<tr>
<td>Knanp:Subtitle</td>
</tr>
<tr>
<td>Knanp:Abstract</td>
</tr>
<tr>
<td>Knanp:Date</td>
</tr>
<tr>
<td>Knanp:Place</td>
</tr>
<tr>
<td>Knanp:Publisher</td>
</tr>
<tr>
<td>Knanp:Extent</td>
</tr>
<tr>
<td>Knanp:Geographical_coverage</td>
</tr>
<tr>
<td>Knanp:Objective</td>
</tr>
<tr>
<td>Knanp:Methodology</td>
</tr>
<tr>
<td>Knanp:Recommendations</td>
</tr>
<tr>
<td>Knanp:Author_keywords</td>
</tr>
<tr>
<td>Knanp:Agrovoc_descriptors</td>
</tr>
<tr>
<td>Knanp:URL</td>
</tr>
<tr>
<td>Knanp:Type</td>
</tr>
</tbody>
</table>

**LEGEND**

Knanp = Kenya National Agri-Nutrition Profile
## Metadata Management

### Mapping Knanp to Dublin Core Metadata Schema

<table>
<thead>
<tr>
<th>AGRI-NUTRITION CONFERENCE METADATA</th>
<th>MARC-21</th>
<th>DUBLIN CORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knanp:Author</td>
<td>100$a</td>
<td>dc:Creator</td>
</tr>
<tr>
<td>Knanp:Affiliation</td>
<td>100$b</td>
<td>dc:contributor</td>
</tr>
<tr>
<td>Knanp:Corporate_author</td>
<td>110$a</td>
<td>dc:Creator</td>
</tr>
<tr>
<td>Knanp:Title</td>
<td>245$a</td>
<td>dc:title</td>
</tr>
<tr>
<td>Knanp:Subtitle</td>
<td>245$b</td>
<td>dc:title:part</td>
</tr>
<tr>
<td>Knanp:Abstract</td>
<td>520 3#$a</td>
<td>dc:description</td>
</tr>
<tr>
<td>Knanp:Date</td>
<td>260$a</td>
<td>dc:date</td>
</tr>
<tr>
<td>Knanp:Place</td>
<td>260$c</td>
<td>dc:coverage</td>
</tr>
<tr>
<td>Knanp:Publisher</td>
<td>260$b</td>
<td>dc:publisher</td>
</tr>
<tr>
<td>Knanp:Extent</td>
<td>300$a</td>
<td>dc:format</td>
</tr>
<tr>
<td>Knanp:Geographical_coverage</td>
<td>522 ###$a</td>
<td>dc:coverage</td>
</tr>
<tr>
<td>Knanp:Objective</td>
<td>658 ###$a</td>
<td></td>
</tr>
<tr>
<td>Knanp:Methodology</td>
<td>567 ###$a</td>
<td></td>
</tr>
<tr>
<td>Knanp:Recommendations</td>
<td>500$a</td>
<td></td>
</tr>
<tr>
<td>Knanp:Author_keywords</td>
<td>653$a</td>
<td>dc:subject</td>
</tr>
<tr>
<td>Knanp:Agrovoc_descriptors</td>
<td>655$a</td>
<td>dc:subject</td>
</tr>
<tr>
<td>Knanp:URL</td>
<td>856 40$u</td>
<td>dc:identifier</td>
</tr>
<tr>
<td>Knanp:Type</td>
<td>008/18-34</td>
<td>dc:type</td>
</tr>
</tbody>
</table>
Metadata Management

FAO’s AGRIS Discovery Interface

293 Agri-nutrition entries
Metadata Management

What next?

National Agri-Nutrition Repository

Host
• Ministry of Agriculture, Livestock, Fisheries & Co-operatives

Proposed Systems

Okoha

DSpace
Metadata Management

What next?

Enrich Agri-Nutrition metadata with FAO’s Agrovoc descriptors

Share final Knanp metadata with FAO’s AGRIS discovery interface
THANK YOU