

Introduction

- The Deactivation & Decommissioning Knowledge Management Information Tool (D&D KM-IT) is a repository of technical information built specifically for the D&D community.
- This information is the result of gathering, analyzing, storing, and sharing knowledge to help reduce the time spent on finding needed data.
- The fixatives decision support model is a comprehensive list of fixatives and contamination control products that uses smartsearching to filter the applicable products for D&D activities. • The decision model helps with the selection of the following:
- - Fixatives
 - Strippable Coatings
 - Decontamination Products

Purpose

- Develop a web-based Decision Model and deploy on the D&D KM-IT platform: www.dndkm.org
- Allow users to search through the database and select appropriate fixative products for their specific application. The model is capable of filtering and sorting available products
- through four criteria and their sub-criteria.

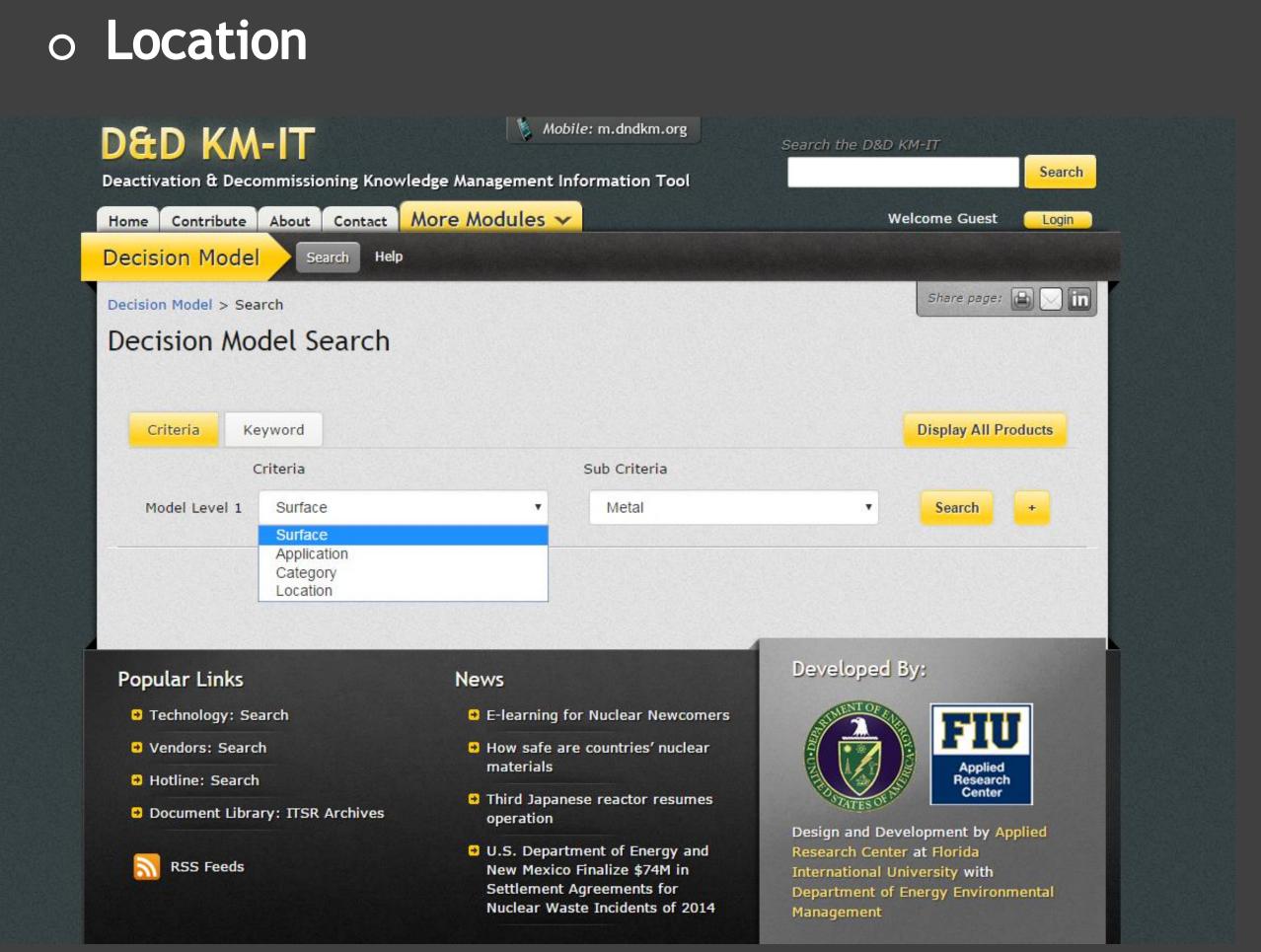


Fixatives Decision Model on KM-IT Platform Jorge Deshon – DOE Fellow, Dr. Himanshu Upadhyay – Mentor

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Method

- Information on dozens of commercially available fixative-type and a user-friendly decision model interface was developed.
- provided drop-down menus.
- The fixatives decision model searches through the product list through these four criteria:
 - o Surface
 - Application
 - o Category

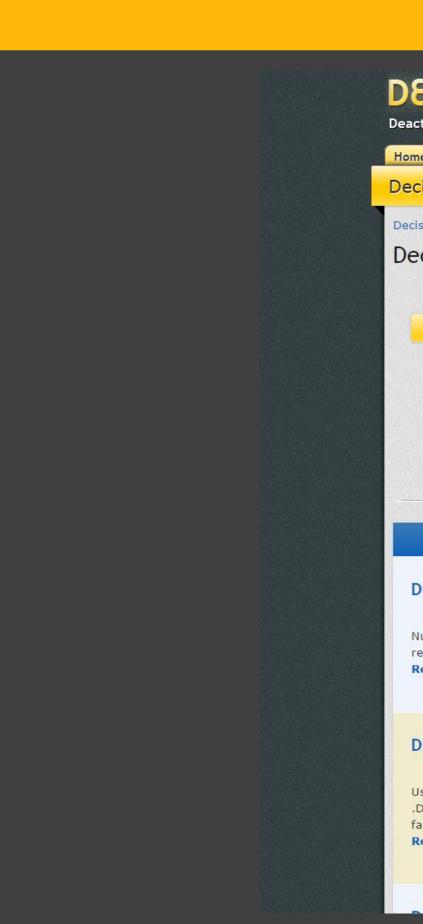


Advantages/Benefits

- The decision support model can speed up the selection process and potentially reduce hazards by optimizing the product selection.
- contamination control products through a concise format. Can be easily expanded to include more criteria or be completely redeveloped to be a decision model for a different
- Presents information on over 40 commercially available objective.
- Can produce results based on multiple criteria entered by the user to allow cross-referencing of product results.

products was compiled, a database was created based off this,

Through the data gathered, users can identify the appropriate coatings by choosing relevant criteria and sub-criteria from the



- product searches.

- Dr. Leonel Lagos
- Mr. Walter Quintero



Results

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Model Level	2 Location	•	Wall	•		
Model Level	3 Category		Strippable	•	Search -	
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	nent (Works best tect metals from	t on Metals) This product is us n corrosion	ed where a water resistant c	oating is		
DECON PEEL NUCLEAR 2050					r : General Chemi	ical
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• Product list can be searched via four specific criterions and once selected, the return products will fit all of the criteria specified. • Keyword search is enabled for the fixative-type products that are currently available as well as as a 'Display All Products' tab to show all the product data compiled.

Conclusion

• Fully integrated with the desktop D&D KM-IT platform and is fully functional through the criteria, keyword, and display all

• New products are constantly being added which fit the criteria and sub-criteria list. Products that are discontinued or not commercially available are eliminated through each review.

• Being developed further to give the same user experience when either viewed on a phone or a tablet.

Acknowledgements

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