

Creating the U.S. National Manure Database

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Overview

Design and implement database

↓

Provide data publicly



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↓

Provide data publicly

- Goals:
 - combine manure analysis results from around the US
 - ensure it's scalable and dynamic



U.S. labs participating in the Manure Analysis Proficiency Program in 2022



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Overview

Design and implement database

Provide data publicly

Provide up-to-date, aggregated information on animal manure composition in user selected terms: spatially, temporally, and by animal system source

Animal System	# of samples
Swine (liquid)	49,205
Poultry (solid)	9,292
Beef (liquid)	2,876
Beef (solid)	6,052
Dairy (liquid)	10,851
Dairy (solid)	2,182

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Evaluate

Evaluate historical manure data from labs to investigate the temporal and spatial variability of manure samples

Engage

Engage stakeholders to develop standards and best practices for manure composition data collection

Activities

01

02

03

04

Ensure

Ensure our database meets FAIR principles (Findable, Accessible, Interoperable, and Reusable) through a management system for end-users

Create

Create a database to accept manure composition data from commercial and/or university labs

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Project Team

Livestock commodity groups

Commercial manure laboratories

Alternative energy groups

Regulatory & agency staff

Ag professionals

Researchers

Engineers

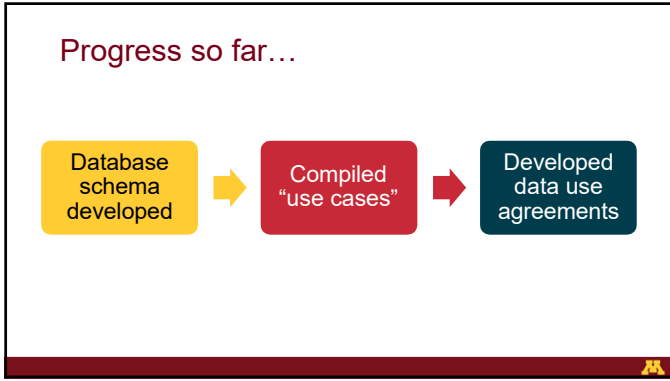
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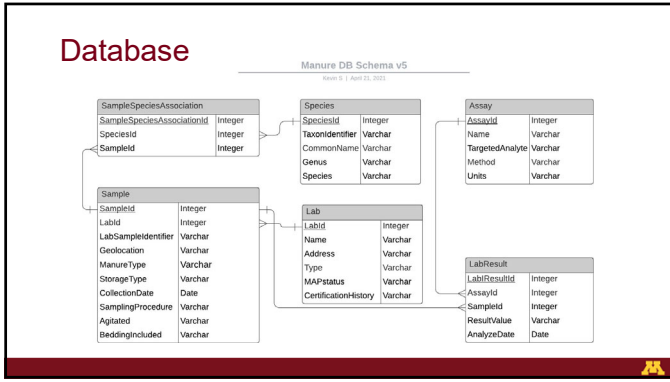
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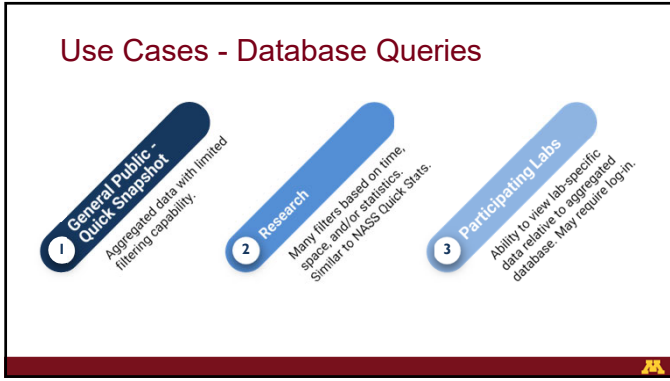
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Interested in more information? Contact Us

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(coming soon!)

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