

AGROPEDIA: AN EXAMPLE *BACKEND*

Indian Institute of Technology Kanpur
Commonwealth of Learning Vancouver



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What is agropedia?

- The *Backend* of services related to agriculture
- Could be of any domain
- Consists of things like
 - Knowledge management system
 - Tools
 - Social media
 - Forums, (FB, Twitter, LinkedIn..)- style, vKVK-style

Knowledge Manager

- A repository of    
- An automatic tagging
 - Embedded agriculture knowledge
- A faceted browsing information
- An automated Push

Connect to Social Media

- Home page



- Twitter – posts are tweeted



- Facebook – post in one's activity log



How is a KM Platform different from a website/portal?

- Both are accessed over the web
- Both can be browsed/searched?

- In a KM platform a document is *live*
- It forms relationships
- It computes
- Allows comments and reviews

What does it compute?

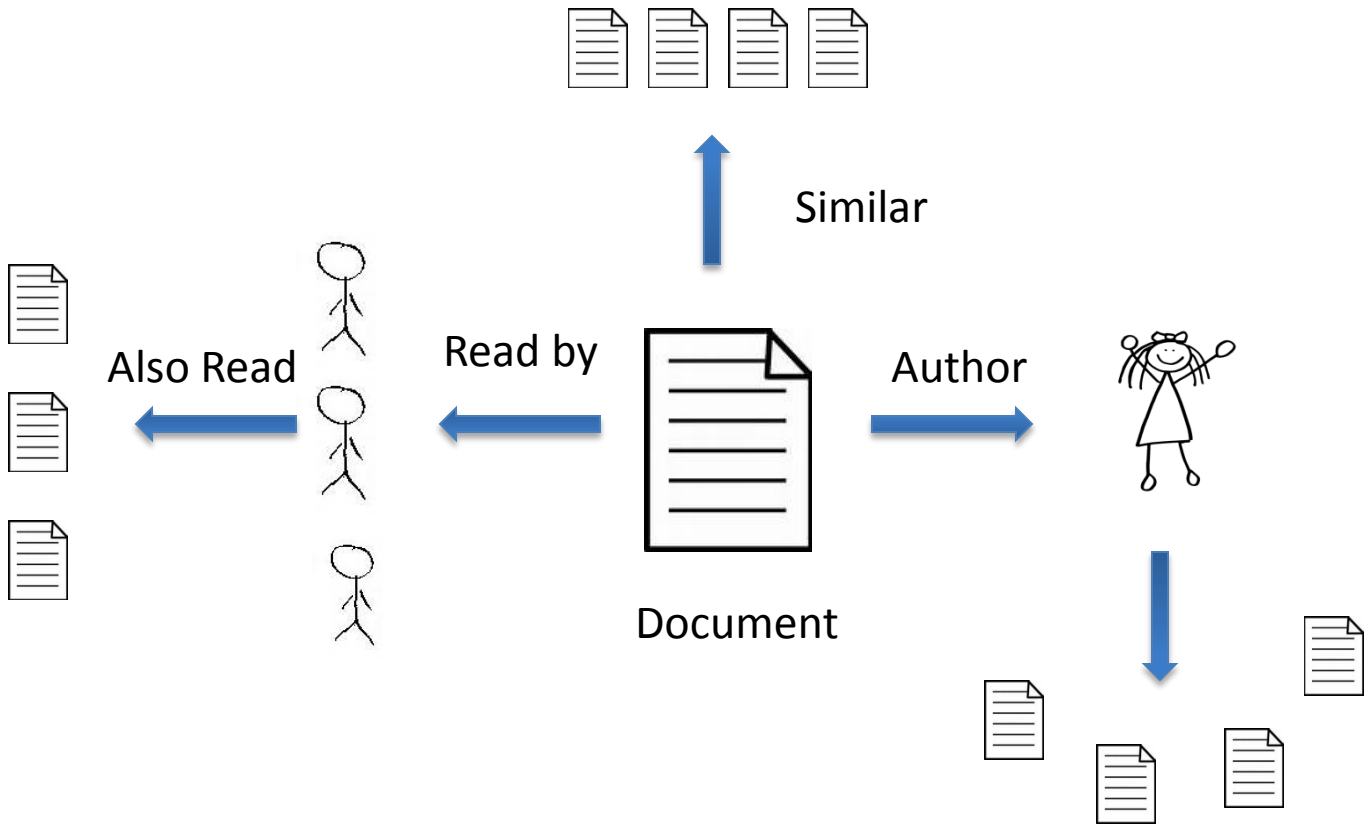
- Faceted tags:
 - Crop name
 - Agrotags
- Attachment processing

Crop

- Mango (44)
- Onion (21)
- Banana (18)
- Beans (17)
- Chilli (16)
- Papaya (14)
- Okra (13)
- Brinjal (10)
- Pea (7)
- Guava (7)
- Custard Apple (5)
- Carrot (5)
- Rose (5)
- Gladiolus (5)
- Pomegranate (5)
- Fig (4)
- Tuberose (4)
- Cabbage (3)
- Cauliflower (3)
- Bottle Gourd (3)
- Cucumber (3)
- Cowpea (3)
- Amaranthus (2)

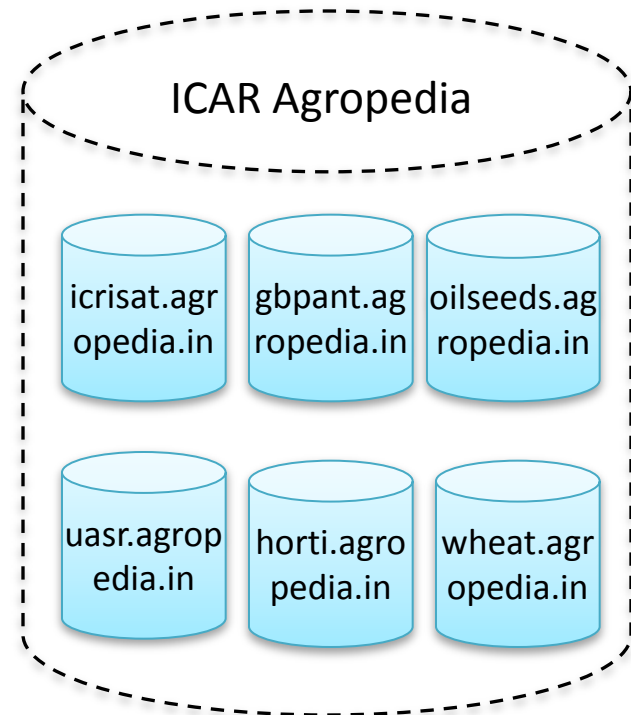
Four way connect

- Document to Document – Similarity
- Document to People - Viewers
- Document to Document – other publications by the same author
- Document to Document –viewers views



Agropedia is a

- SaaS platform
 - Easy to create agropedias
 - Each institute has their own agropedia
 - Sub-sets can form *unions*



The architecture is generic

- You can build
 - semantically enabled
 - knowledge management platforms
 - with delivery networks and
 - connects to social media for
 - any domain

THANK YOU



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