

ask-Valerie.eu

Furopean Forest Insitute

your virtual advisor for agriculture and forestry





What is VALERIE about?

Making (European) research results accessible for practice

 Providing information about solutions and innovations in agriculture and forestry

 Key output: 'ask-Valerie' a smart and interactive search engine for research outputs for use by farmers, foresters, advisers and researchers

Search with Google, wiki or OrgEprint



Search with ask-Valerie.eu— find the golden documents

brown spots in potatoes?

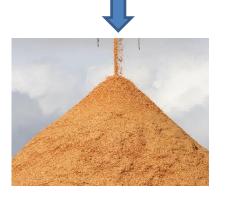




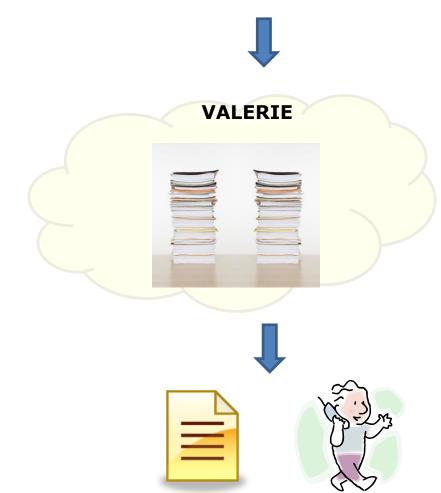




research in the agronomy & forestry domain

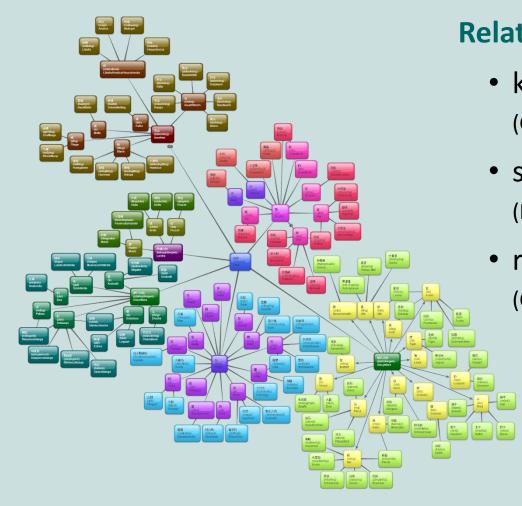






Digitizing Knowledge





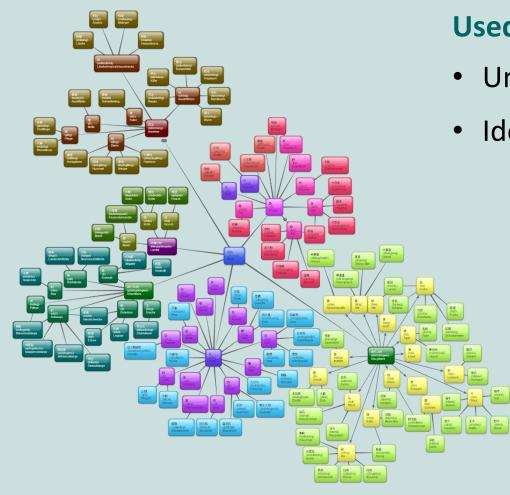
Related concepts:

- kind of
 (Golden Delicious is a kind of apple)
- synonym
 (Meadow is a synonym of pasture)
- related to
 (Cow is related to Dairy)

2017-23-3

Digitizing Knowledge





Used for

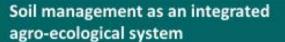
- Understanding the question
 - Identifying suitable knowledge

2017-23-3





Valerie





Water management in agriculture



Recycling and smart use of biomass and food waste: waste generated in primary production





Sustainable integrated supply chain services and tools, innovative farm and forest management













VALERIE themes 30.5.2017 6

Case studies

Catchment scale resource use efficiency



Soil management in livestock supply chains



Sustainable Forest Biomass: Recycling of Wood Ash



Agroecology: managing plant protection



Innovative arable cropping



Sustainable Forest Management and Ecosystem Services



Improving Milling Wheat Quality



Drip Irrigation Management in Tomatoes and Maize



Sustainable Onion Supply Chains



Sustainable Potato Supply Chains



Finnish case study:
Sustainable forest
biomass – recycling of
wood ash

✓ JOENSUU TEEMAT ✓ LUE DIGILEHTEÄ ✓

TALOUS 10.6.2016 12:48

Tuhka paketoi tien rakenteen matalammaksi

Esa Kurki



Pielisjoen rantaraitilla on käytetty parinsadan metrin matkalla tuhkasta valmistettua kevytkiviainesta suodatinkerroksessa.

Seisomme nyt tuhkan päällä. Hiekkatieaikaan tässä oli kymmenen sentin routanousu talvisin, ja se olisi vaatinut hyvin syvän kiviainesrakenteen, mutta tuhkan ansiosta rakenne on saatu paketoitua noin 50 senttiä matalammaksi, esitelmöi Ecolan Oy:n kehityspäällikkö Mikko Räisänen kevyen liikenteen päällystetyllä rantaraitilla Joensuussa.



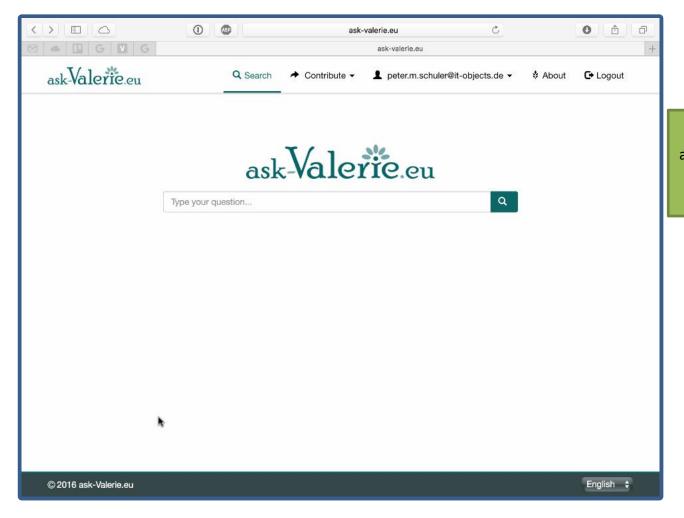
How can the case studies help VALERIE?

The case studies are linked to VALERIE in 2 (interconnected) ways:

1. They contribute toward development of ask-Valerie (a smart search tool)

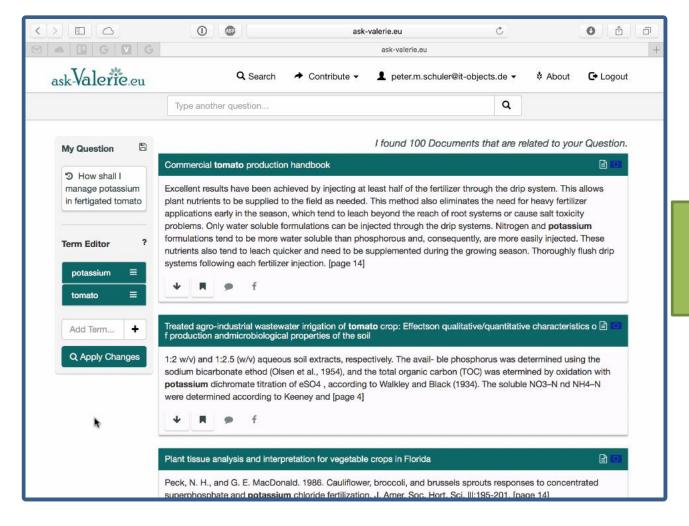
2. Stakeholders in case studies learn from the project

ask-Valerie.eu – your virtual advisor asking questions



ask-Valerie.eu assists the user asking natural language questions by knowing agricultural terms

ask-Valerie.eu – your virtual advisor finding results

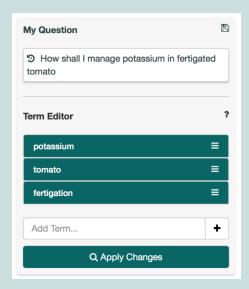


ask-Valerie.eu finds relevant documents in a domain-specific library and uses synonyms to improve the results

ask-Valerie.eu – your virtual advisorRefining questions



- Add terms
- Return to my original question
- Access to ontology
 - broader terms
 - narrower terms
 - related terms
- Remove terms





ask-Valerie.eu - your virtual advisor Overview: Library features



Library

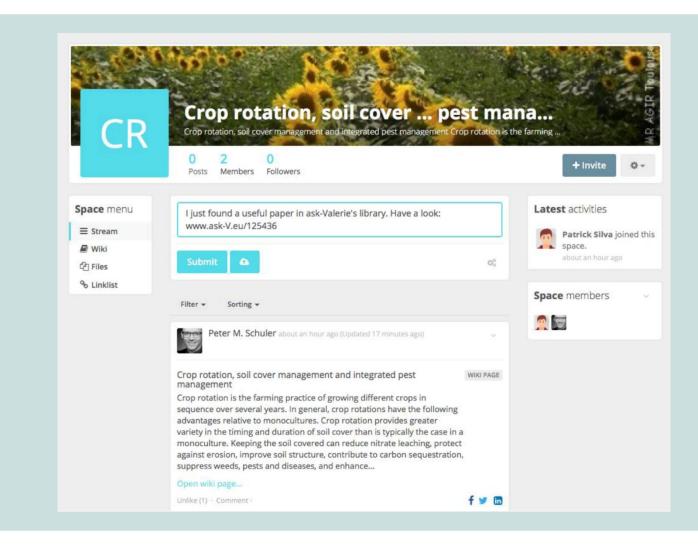
- Asking questions, getting results
- Advanced search
 - Refining questions
 - Bookmarking documents
 - Saving questions
- Language-support
 - Multi-language UI
 - Inter-language search
- Contribute to the library
 - documents
 - terms

Community

- Connecting with farmers and foresters throughout Europe
- Building up thematic/regional communities
- Sharing documents with others
- Discussing innovation
- Connecting through social media
- Getting into contact with experts
- Activity feed, ...

ask-Valerie.eu - your virtual advisor Community features (in progress)





ask-Valerie.eu – your virtual advisorOverview: Community features



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Future plans



Ask-Valerie.eu online mid-April

Ask-Valerie as a search engine used by EIP-AGRI? (European Innovation Partnership from DG-AGRI)

Ask-Valerie integrated as a search engine in other websites? E.g. libraries, research institutes, repositories

Ask-Valerie continues under the new H2020 thematic networks

- AFINET (Agroforestry Innovation Networks) project: expand the Valerie domain to agroforestry

We continue to upload wood-ash recycling documents and improve the ontology