

Workpackage 3

Validation of the

SYNTHESIS REPORT OF KASSA FINDINGS

Session IV-2

Knowledge Gaps and Research Needs

Knowledge Database in KASSA

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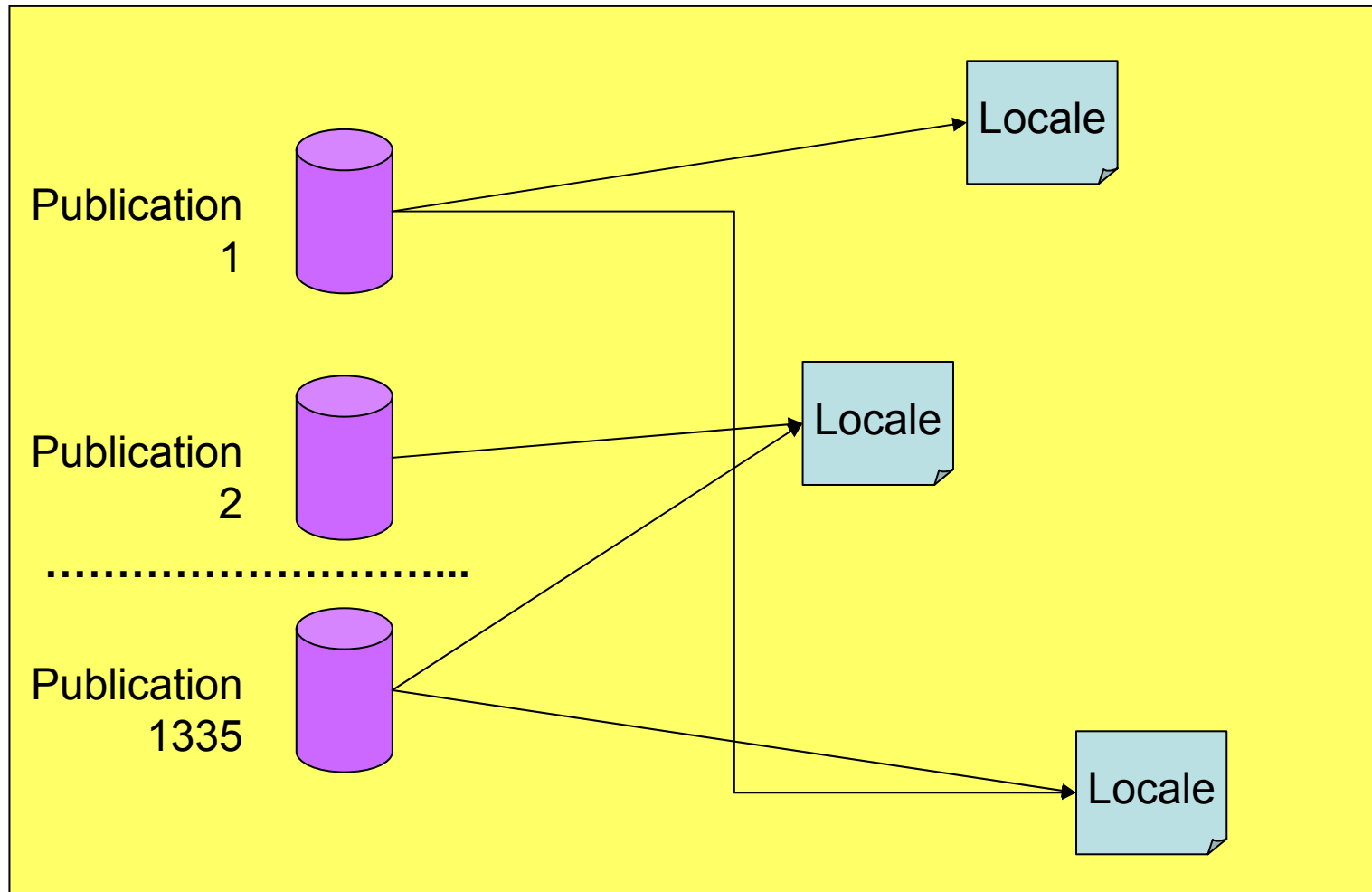
Knowledge Database in KASSA

- Website database created and refined through Workpackage 5 (WP5)
- Partners use KASSA Website – kassa.cirad.fr – to enter and refine local knowledge from partners' locations through WP 1 and 2
- Database provides a gist of studies and experiences using a wide variety of CA technologies from KASSA platforms

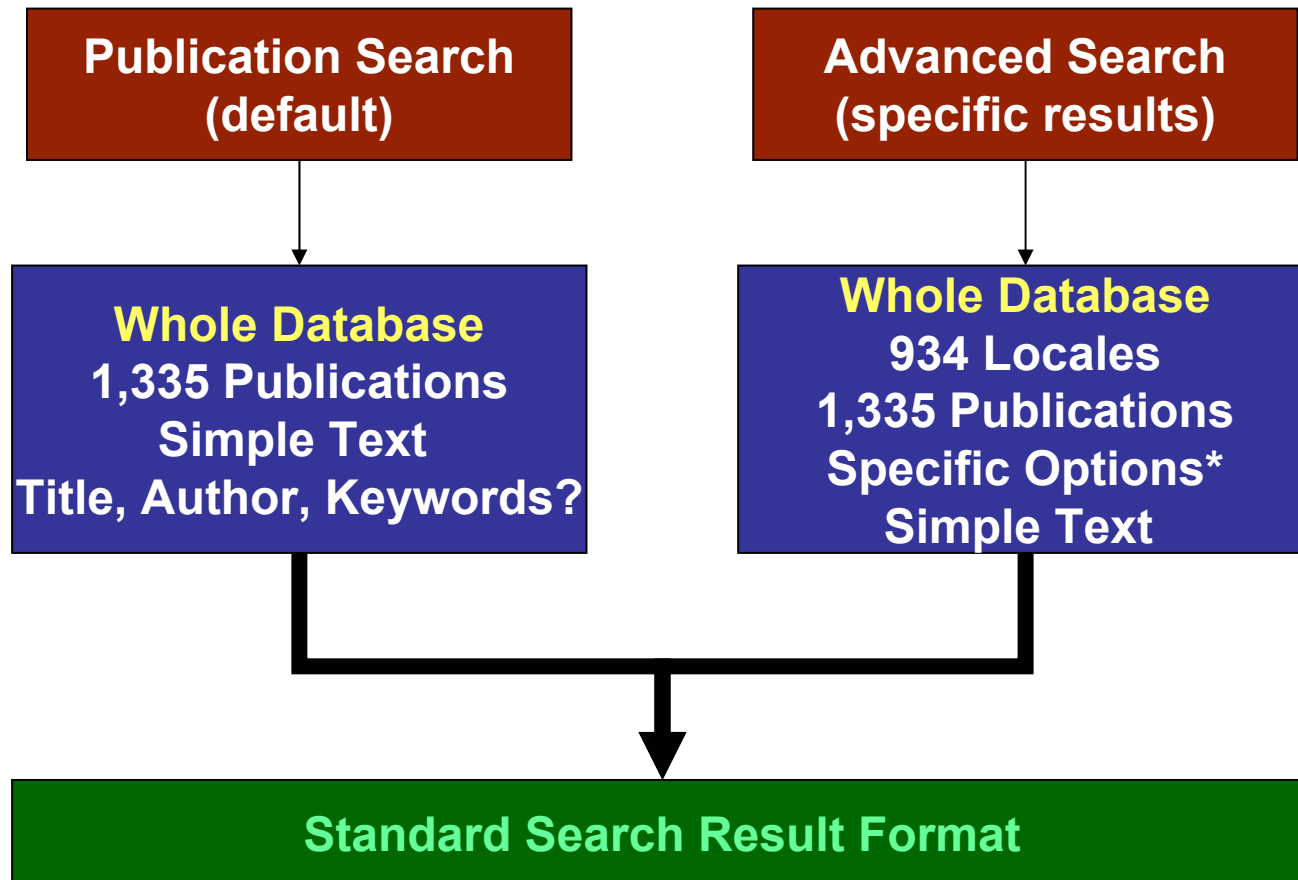
Database Specifications

- Built over an open-source DBMS (MySQL)
- Contains:
 - 1,335 referred publications from the KASSA platforms
 - 934 locale information referred through publications

Publications and Locales



KASSA Search



* under development

KASSA Search: Interface



KASSA
GOCE-CT-2004-505582
Knowledge Assessment and Sharing on Sustainable Agriculture

Sixth Framework programme Sustainable Development Global Change and Ecosystems The European Commission Community Research CIRAD

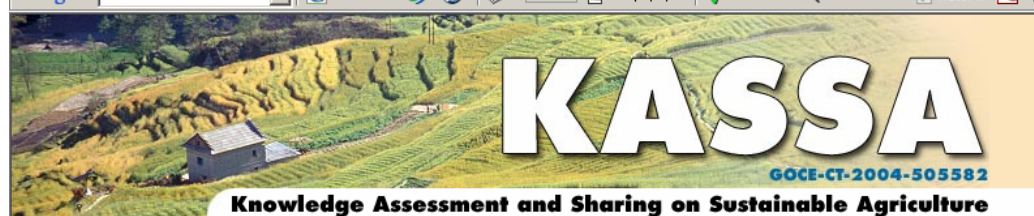
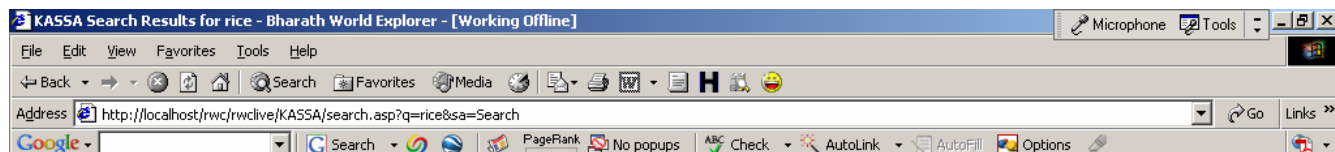
Home > Search

Search

Search Advanced Search

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- Search
- News
- Project
- Partners
- Project members only



Home > Search

Search

rice

Search

Advanced Search

KASSA Database

Soil Health and Sustainability of the Rice-Wheat Systems of the Indo-Gangetic Plains.
Impact assessment of tillage systems on plant pathogenic organisms for wheat following rice in the Indo-Gangetic plains.
And to increase overall knowledge about soil health, including mapping soil microbiota profiles under resource conservation tillage in South Asia. ...
Duveiller, E.; Bridge, J.; Rutherford, M. and Keeling, S. (for CIMMYT and CABI)

Rice straw mulching and nitrogen response of no-till wheat following rice in Bangladesh.



Crop residue management for improved soil and crop productivity in rice-wheat cropping system in India
To study the long-term effects of green manure and crop residues on crop yields and soil productivity in a rice-wheat cropping system. ...
Yadvinder Singh, Bijay Singh, Khera, T.S. and KHIND, C.S. (for Punjab Agricultural University, Ludhiana, India)

1 2 3 4 5

rice

Search

Results 1 - 25 of about 105 for rice

ing rice in the Indo-Gangetic plains.
profiles under resource

Results 1 - 25 of about 105 for rice

3. (for Punjab Agricultural University

1 2 3 4 5

Advanced Search

Search Options

for searching publications and locales that include the following (check those that apply)

Technology
<input type="checkbox"/> Minimum Tillage (MT) <input type="checkbox"/> Low Tillage <input type="checkbox"/> Reduced Tillage (RT) <input type="checkbox"/> No Tillage (NT) <input type="checkbox"/> Zero Tillage (ZT)
<input type="checkbox"/> Conservation Tillage (CT) <input type="checkbox"/> Crop Residue Management(CRM) <input type="checkbox"/> Direct Planting in Straw
<input type="checkbox"/> Permanent Direct Seeding <input type="checkbox"/> Direct sowing Mulch-based Conservation agriculture (DMC) <input type="checkbox"/> Conservation Agriculture
<input type="checkbox"/> No-Till/Conservation Agriculture (NA/CA) <input type="checkbox"/> Agroforestry <input type="checkbox"/> Ley Farming
<input type="checkbox"/> Organic Agriculture (OA) <input type="checkbox"/> Organic Farming <input type="checkbox"/> Ecological Agriculture
<input type="checkbox"/> Biological Agriculture <input type="checkbox"/> Integrated Pest Management (IPM) <input type="checkbox"/> Integrated Weed Management (IWM)
<input type="checkbox"/> Integrated Plant Nutrient Systems (IPNS) <input type="checkbox"/> Sustainable Land Management (SLM) <input type="checkbox"/> Better Land Husbandry (BLH)
<input type="checkbox"/> Other

Ecosystem
<input checked="" type="radio"/> none <input type="radio"/> Temperate <input type="radio"/> Mediterranean <input type="radio"/> Sub-Tropical <input type="radio"/> Tropical

Impacts	
Agronomic	<input type="checkbox"/> Yield <input type="checkbox"/> Water-use <input type="checkbox"/> Nutrient-use <input type="checkbox"/> Machinery <input type="checkbox"/> Weed management <input type="checkbox"/> Crop residue management
	<input type="checkbox"/> Fertilizers management <input type="checkbox"/> Pests/diseases management <input type="checkbox"/> others

(more Impact options to be added)

Database Entries Status

- Many columns/values left blank
- Non-standard entries
 - eg. Classifications can be structured around one system and made selective instead of user-entered
 - Errors reduced
 - Information more structured
 - Information standardized
 - Encourages search efficiency

Database Entries Status

- “Escaped/Isolated” entries
 - Contains no data
 - Contains information that would escape search results despite potential “value”
- Quantified search
 - Numeric data organization needed
 - Could help in simulations/projections

Getting the Knowledge Across

- Valuating the Database
 - **Who** would use it?
 - **Where** would they be?
 - **Why** would they use it?
 - **How** would they access it?
 - **What** could they expect?

Getting the Knowledge Across

- Valuating the Database
 - **Who** would use it?
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Getting the Knowledge Across

- Extending the Database
 - **More, updated** records
 - Include farmer participation to provide real experiences
 - Quantitative data
 - **Different** media options
 - Rural radio (call-in programs etc)
 - Studies made into television programs
 - **New platforms**
 - Lessons learnt translated to education
 - Global/regional seminars on lessons from other KASSA platforms
 - Interface with similar Knowledge-based initiatives
 - Foster development of **result-oriented** DSS

Interacting with online resources

- PRISM: Regional project information database for South Asia
- Rice Knowledge Bank from IRRI
- International Crop Information System
- CGIAR ICT-KM projects
- Global ICT for Development initiatives, such as the WSIS

Getting KASSA recognized on other websites

Western Australian
No-Tillage Farmers Association

Join Now!

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GRDC
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AUSTRALIAN PRIMARY SUPERANNUATION FUND

BorreGRO
soil conditioner

Department of Agriculture
Government of Western Australia

Rabobank

CSBP

From WEEKLY

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Trials and Field Days.

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from Tim Braslin.

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We are a farmer group looking for sustainable ways of growing healthy, high yield food crops without destroying the soil. We also aim to improve soils that have been damaged by years of tillage. WANTFA's goal is to share our experiences with others.

This Website is currently undergoing reconstruction.
Please visit us again in the coming months as the new site is unveiled.

wantfa
NEW FRONTIERS IN AGRICULTURE

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Thank you