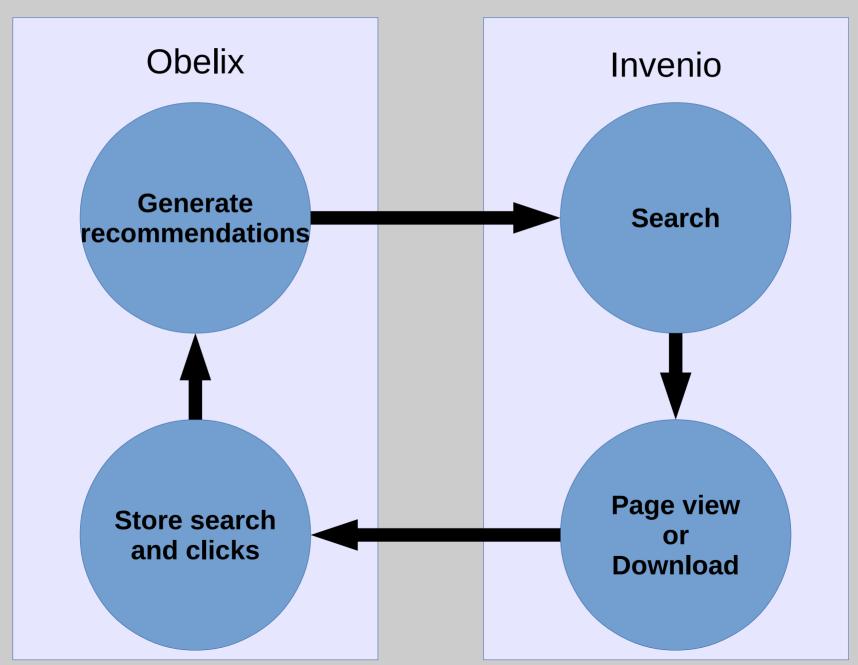
INVENIO + OBELIX

David Zerulla

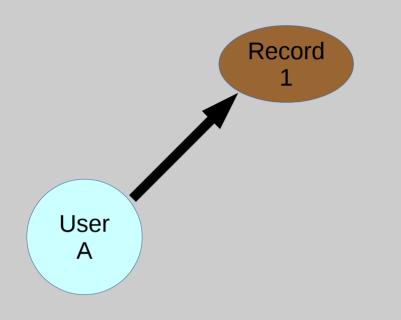
- •What is Obelix?
- •How does it work?
- •How to use it?
- •What is in the future?

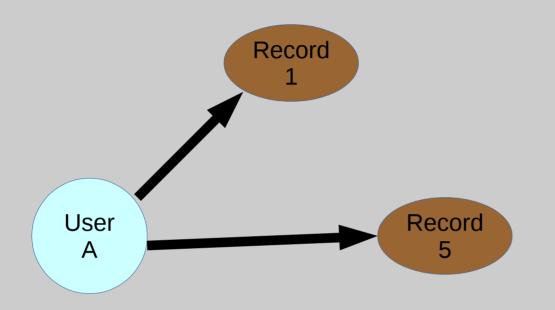
What is Obelix?

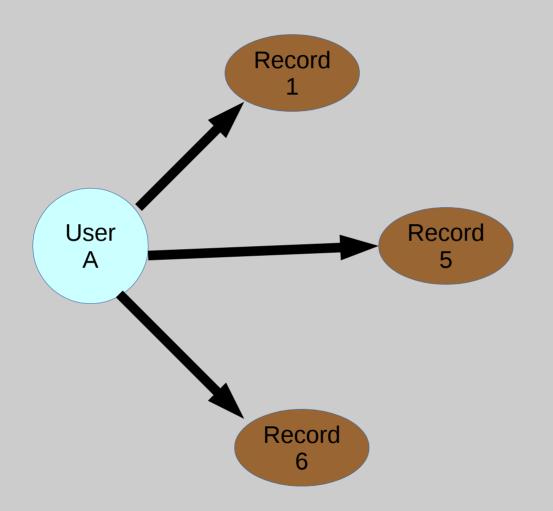
- a personalized recommendation engine.
- Analyzes the user behavior and recommends related records.
- In-depended of Invenio, developed in Java.
- Its using Neo4j (a graph database).
- Binding to Invenio with the Obelix-Client.
- Development started by Fredrik Carlsen.

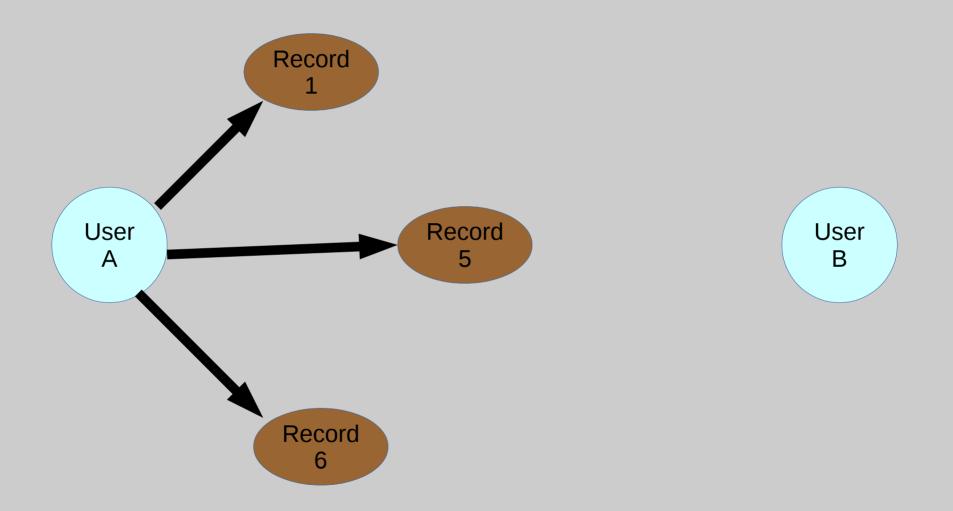


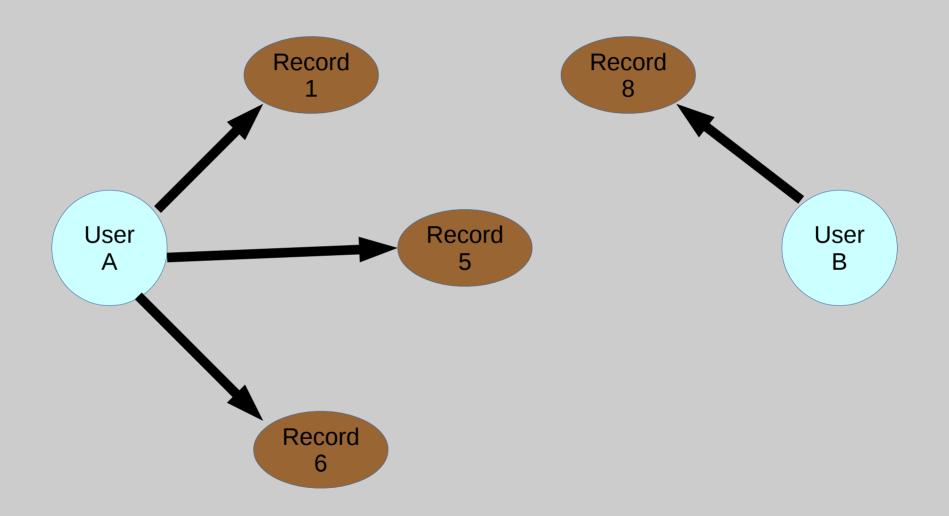


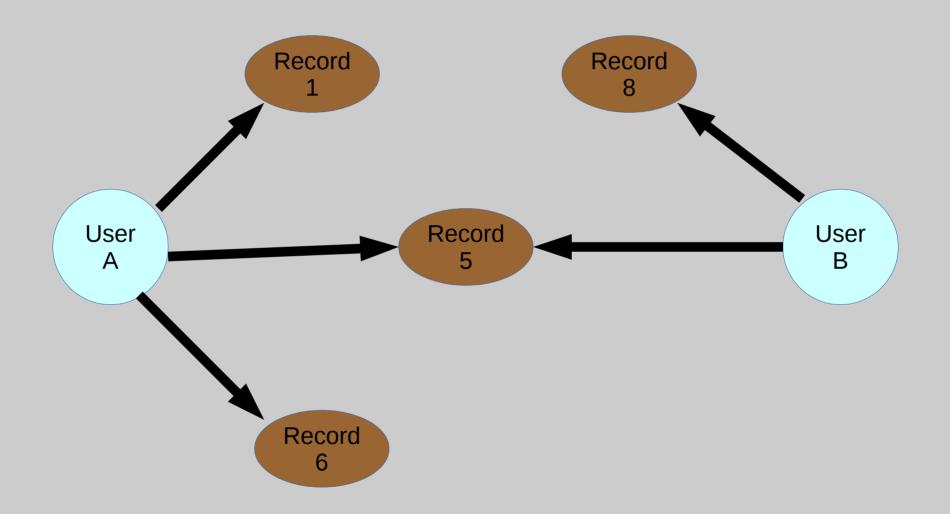


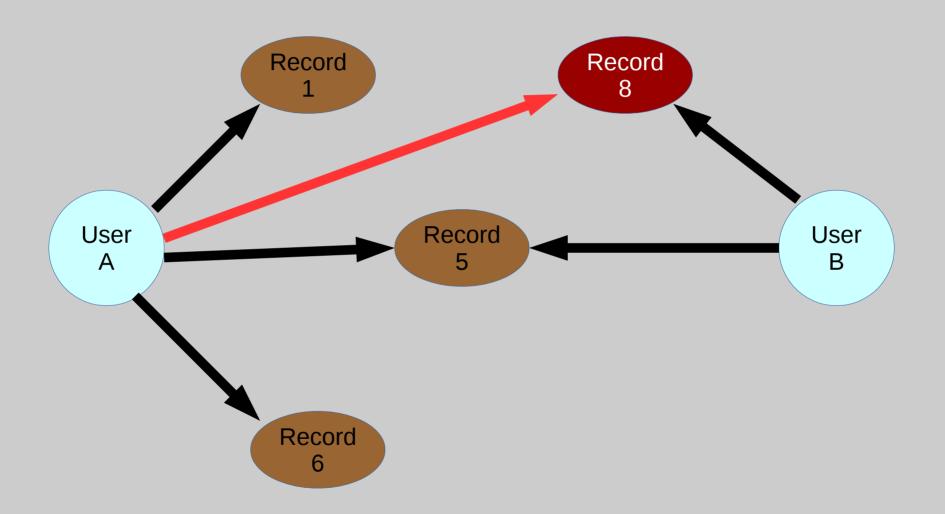












How to use it?

On the Invenio side:

- Invenio 1.x required
 - PR #3203 WebSearch: optional Obelix integration
- Obelix-Client github.com/inveniosoftware/obelix

On the Obelix side:

- Obelix github.com/inveniosoftware/obelix-client
- Redis
- Neo4j

What is in the future?

- Integration in Invenio 2
- Different approaches to generate the recommendations
- Recommendation box

RN Do	cument Server
earch	Submit Help Personalize
& Preprints	> Published Articles > Study of the threshold behavior of the η N scattering amplitude through the associated photos uduction or ϕ - and η -mesons
Information	Discussion (0) Files
	Article
Report number	nucl-th/0607019 ; DAPNIA-2006-160
Title	Study of the threshold behavior of the η N scattering amplitude through the associated photoproduction of ϕ - and η -mesons
Author(s)	Soyeur, M ; Lutz, M F M
Imprint	2006 8 p.
In:	
In:	9th International Workshop on Meson Production, Properties and Interaction, Krakow, Poland, 9 - 13 Jun 2006, pp.333-340
Subject category	Nuclear Physics
	transfer from the initial photon to the final ϕ -meson. In these conditions, we expect the t-channel π^0 - and η -meson exchanges to drive
Correspo	the dynamics underlying the $\gamma p \rightarrow \phi \eta p$ process. We show that the η -exchange is the dominating contribution to the cross section while the π^0 -exchange is negligible. The η - π^0 interference is of the order of $20 - 30$. The sign of this term is not known and alters significantly our results. Data on the $\gamma p \rightarrow \phi \eta p$ process would be therefore very useful to help unravelling the behavior of the ηp scattering amplitude close to threshold and assessing the possibility of producing η -nucleus bound states.
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Recom • •	the dynamics underlying the $\gamma p \rightarrow \phi \eta p$ process. We show that the η -exchange is the dominating contribution to the cross section while the π^{0} -exchange is negligible. The η - π^{0} interference is of the order of $20 - 30$. The sign of this term is not known and alters significantly our results. Data on the $\gamma p \rightarrow \phi \eta p$ process would be therefore very useful to help unravelling the behavior of the ηp scattering amplitude close to threshold and assessing the possibility of producing η -nucleus bound states. Inding record in: Inspire mended Records: When almost all sets are difference dominated - by Hegarty, Peter; Miller, Steven J The measurement of the absolute branching ratio of the K+ [] - by Ambrosino, F ; Antonelli, A ; Antonelli, M + 79 more KLOE measurement of the charged kaon absolute semileptonic BR's - by Ambrosino, F ; Antonelli, A ; Antonelli, M + 80 more Back to search seated 2006-07-13, last modified 2010-04-14 Back to search
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Title Study of the threshold behavior of the η N scattering amplitude through the associated photoproduction of ϕ - and η -mesons

Author(s) Soyeur, M ; Lutz, M F M Imprint 2006. - 8 p. Int. J. Mod. Phys. A 22, 2-3 (2007) 333-340 In: 9th International Workshop on Meson Production, Properties and Interaction, Krakow, Poland, 9 - 13 Jun 2006, pp.333-340 In: Subject Nuclear Physics category We suggest that the $\gamma p \rightarrow \phi \eta p$ reaction cross section, in the kinematics where the ηp invariant mass in the final state lies between the Abstract threshold value ($m_n + m_n$) and the N*(1535) resonance mass, is largely determined by the ηN scattering amplitude close to threshold. The initial photon energy is chosen in the range $4 < E_{\gamma}^{Lab} < 5$ GeV, in order to reach low (absolute) values of the squared 4-momentum transfer from the initial photon to the final ϕ -meson. In these conditions, we expect the t-channel π^0 - and n-meson exchanges to drive the dynamics underlying the $\gamma p \rightarrow \phi \eta p$ process. We show that the η -exchange is the dominating contribution to the cross section while the π^0 -exchange is negligible. The η - π^0 interference is of the order of 20 - 30. The sign of this term is not known and alters significantly our results. Data on the $\gamma p \rightarrow \phi \eta p$ process would be therefore very useful to help unravelling the behavior of the ηp scattering amplitude close to threshold and assessing the possibility of producing η -nucleus bound states.

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