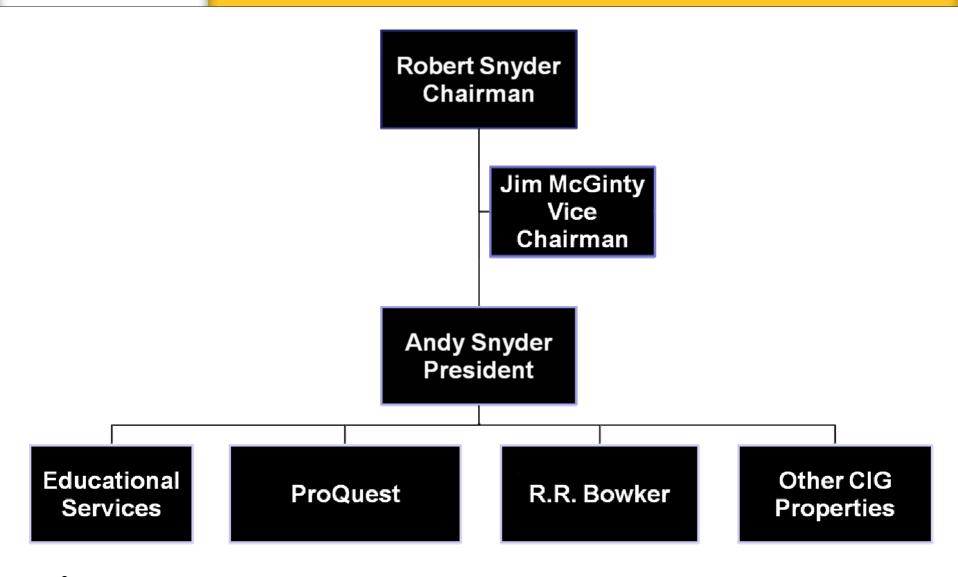


### **Presentation Will Cover...**

- Description of Deep Indexing
- Discuss its use in the marketplace
- Initial reaction from users/customers
- Impact on Secondary Publishing



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### **Deep Indexing of Scholarly Material**

# Extracting/Structuring data presented in tables and figures within published literature

T. Uneda, K. Nomers, H. Matsuforu: Charmonium at finite temperature in sweeded lattice OCD

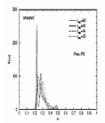


Fig. 2. The result of MEM analysis for the spectral function from the amended PS correlator commoned of free caudia to

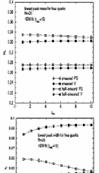


Fig. 3. The result of y2 fit analysis for the spectral functions from the PS correlators composed of free quarks at  $N_{\rm f}=26$ 

quarks, the width entracted with MEM may be of order of 0.05-0.1 in temporal lattice units.

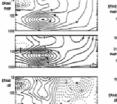
We also apply the  $\chi^2$  fit analysis to the correlators composed of free quarks. In this case the errors of the same sing as in Mosta Carlo simulation are just not on the corelaters without fluctuating them. Figure 3 shows the result of the x2 fit of the combitors composed of free quark at  $N_r = 26$  using the 1-BW enests. The  $t_{\rm max}$  dependence of mass and width (with fixed  $t_{max} = 13$ ) indicates that the single BW assets describes rather well the correlators As is observed in Fig. 3, if the correlator is composed of free courts, the n2 fit gives simble difference in mass and width parameters for the smeared and half-smeared correlators. This dependence is in agreement with the fact that the propagator should only show the two free quark cut and no particle-like excitations and indicates that by testing the dependence of the result on the smearing function we can distinguish physical effects from artifacts due

### 5 Setup of numerical simulation

The zero temperature lattice used in this paper is the third one of [24]: a orenched lattice of size  $20^{3} \times 160$ , generated with the standard plaquette action with  $(\delta, \gamma_0)$  = (6.10,3.2108). These coupling and bare anisotropy correpend to the renormalized anisotropy  $\xi = a_0/a_1 = 4$ within 1% accuracy [27], and the spatial lattice cutoff and = 2,000(13) GeV set by the hadronic radius re-BSI. At T = 0.500 conferentions are excepted with the pseudo-heat-bath update algorithm, each separated by 2000 strong after 20000 strong for thornalization. The mean-field values are defined as the average value of link variables in the Landau gauge, and obtained as = 0.8059(1) and u. = 0.9901

To determine the critical temperature, we measure the Polyskov loop susceptibility at  $N_t = 27$ , 28, and 29 at  $\beta=6.00$ , and in addition, at several values of  $\beta$  (with corresponding values of  $\gamma_{c}$ ) around  $\beta=6.10$ at fixed  $N_{\rm e}=28$ . At  $\beta=6.05$  the lattice scale set by  $r_0$  is  $az^4 = 1.892(10)$  GeV, which together with  $az^4$  at R = 6.10 determine the realise at the other values of Rby linear interpolation. The susceptibility peaks at about  $\beta = 6.10$  and  $N_r = 28$ . The critical temperature is obtained as T<sub>e 22</sub> 250 MeV with 10 MeV of roughly estimated uncertainty. This value is slightly higher than the conventional values with the evaluat by the string tension, as a

common tendency by adopting the scale by  $\pi_0$ . The characterism correlators at T > 0 are measured for two values of temporal lattice extent,  $N_1 = 32$  and 26Corresponding temperatures are  $0.88T_c$  for  $N_c=32$ , and  $1.08T_{\rm c}$  for  $N_{\rm c}=26$ . For brevity, these temperatures are beyofter referred to as 0.50, and 1.17, respectively. Thus the temperatures treated in this paper are in the vicinity of the transition. At each of these two Ne's, we constate 1000 configurations each separated by 500 pseudo-bestboth sweeps after 20000 sweeps for thermalization.



S. Rotenimum et al.: The 1005-1000 ECCO corts in a chemical climate model



Fig. 6. Mean value and difference between 1987 and 1989 in const mean const wind (m.1/), asserted them language to March, in ERA40, S1, and S2. Shaded meet are not significantly different from zero (p-test, p-c0.65)

tain than for the westerly phase). Steady-state SOCOL simvilations without ORO (and have strategalaric expedies) found a stronger porthern stratosoberic polar somer for sofor maximum conditions compared to solar minimum conditions (Express et al., 2004), but the signal is not statistically simificant and clearly smaller (around 1 m/s) than that in our simulations. Hence, solar irradiance changes do not seem to be sufficient to explain the signal.

Zonal mean temperature differences between El Nido and La Niña sua shown in Fig. 7. The observations show a pronomical circuit in the Arctic lower emporchers. In \$1, the patient is well reproduced, but not its strength, whereas in \$2 the pattern is less well reproduced. The Arctic temperature response in the model is significant below 200 kFs. At higher levels, within-ensemble variability is too large for obmining significant results. Both S1 and S2 show a significast warning of the subtracted topocouse and lower stratesphere which is not seen in the observations. This is probably related to the southward displacement of the subtropical jet in the model (Fig. 6) that is not seen in the observations.

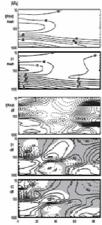


Fig. 7. Mean value and difference between 1987 and 1980 in sonal mean recoverage (\*C), evented from Jassen to March, in ERA40, S1, and S2. Shaded mean me not significantly different from zero (r-test, p <0.05).

In order to understand the modelled Arctic temperature respoose in the stratosphere, we analysed 12-hourly series of temperature at the North Pole (3.8" E, 87.2" N in SOCOL) at 10 kPs and 100 kPs in the individual ensemble members as well as in ERA40 (Fig. 5). The reambytic data for 1966 67 they a street disturbance (major midwiner warmine) in Japany. While at 1912h, temperatures dropped again duing February and reached very low values in March, the disturbance at 100 hPs persisted into spring. In 1988-89, in commer, the point stratosphere was undisturbed and cold well into February, but the final warming then was very propounced. In the SOCOL experiments parior warmings spnear in most of the simulations in both winners, sometimes sheedy in late November or December. The large day-to-day variability causes a large within-ensemble variability, which hampers the statistical analysis of ensemble means

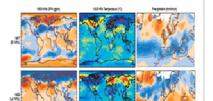


Fig. 1. Observed manualise of 1000 kDs proposed all height (self) and air temperature (middle) as well as precipionism (highl) for January to March 1967 (up) and lessary to March 1969 (horson) with respect to the 1979-2002 period

March 1917 and 1909. The two winners exhibit the well known ENSO imprint in the North Pacific area such as a strong (week) Alestrian low for El Niño (La Niĥa), accompassed by high (low) temperatures in Alliska. Temperature apopulies in portheratory Europe were strongly pensitive for the El Nillo winner and positive for the La Nilla winner. The 1000EPs GPE field shows a prosonanced segrative (positive) NAO pattern in the two winters. This is in excellent agreemean with the "conomics" effect of ENSO on Europe in late winer. The El Nido winer also resembles the strong 1940-1942 case (Bottonimonn et al., 2004). A strong precipitation. signal is found especially for the La Nata winner, with negative anomalies throughout the Mediterranean area and poitive successives in portionestern Europe. The El Nido caseshows anomalies of expects size, but district weaker in anplinds. In repent the results show a close to commercia remone for these two winters with respect to most of the Seatures, and they again suggest that 1985-1989 was a "classigniff ENSO crede with property in effection the circulation. over the North Atlautic-European sector.

Comparisons between simulations and observations for the two individual wigners are not possible in a strict sense (and therefore not shown bere) because of the different climanulogies used. Nevertheless, it is interesting to note that: similar to the observations, both models show a response that is dose to symmetric around the respective climatelogy in the two winters. Model results (eposphile mesps) are companel to the observations in Fig. 2 in the form of the dif-Senance between the El Millo winner (1987) and the La Millo. winter (1939). The applitudes of the approaches are repersilv enabler in the ensemble means than in the observations

Atmos. Chem. Phys., 6, 4669-4605, 2006

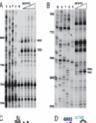
which is expected due to strenging. The patterns, however, are relatively well reproduced by both models. For El Nife minus La Niña, all experiment show cold winters in portieastern Europe, stretching all across porthern Europia, and a dipole nation in 1000 hPs GPG resembling the negative mode of the NAO (see Compo et al., 2003, for a discretion of related changes in subvessional variability). In the SOCOO emeriments as well as in the observations (burger in MI) the sponsily centres he close to liceland and the Azones.

For precipitation (Fig. 2), all experiments reproduce the observed decrease in Norway and the increase in the Meditermassa area. The precipitation signal over the Atlantic re-Sects a sendowed shift in the Admetic storm track for El Nife relative to La Nife, which was also shown by Compo and Sardeshmakh (2004). As for the other fields, the magnitudes of the precipitation anomalies is underestimeted. New ertheless in all three fields (temperature GPH, and tracininstinc) the main differences between El Nido and La Nido found in the observations are also statistically significant ()test, p<0.05) in the model experiments.

Several Sentuces, on the other hand, are not well reproduced in the SOCOL model. This concerns in perticular surface air neggerature over the sea ice porth of Alaska bliss in MSF9). Also, the warning signal for El Nife minus La Nife stetching from Sodies to the Middle East is not well reproduced (again by both models).

In addition to the simplicance of the ensemble mean differeaces, it is admissible also to look at the distribution functions (see also Malo-Generaliser et al., 2005). Figure 3 shows histoerance of temperatures at a mid point near Dalama. Swedep (50° N/15° E), which is close to the location of the man

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the 1925 6798 banar whose reactivity with leath-ocal (all and denote of salitate (b) is affected by GBI 112 were identified by priner extension analysis (II). The localization of these bases within the 3D structures of the entire E. coll NS ANA ICI, and of the subunit-interface side of the platform ICI are also

that initiator \$BNA and GE81112 compate for binding to the 365 subsent. In the following ensertment, Blds-GNA binding to the XIS submain was studied as a function of Mg \*\* concentration in the presence and absence of different ebosomal liquids and of a finel conversation (1.5 a Mind/GER)(12.2 Our findings demonstrate than the ambiotic inhibits filter-RNA binding under all conditions tested. However, the extent of inhibition strongly depends on conditions (i.e., Mg. concentration and presence or absence of nion factors and mENA) that influence the affinity of filler (ENA for the 30S subunit Thus, GES1112 imbition of 305 initiation complex formation is very strong (~80%) at 3 mM Mg<sup>2</sup> but drops to <40% and <20% when the Mg is increased to 9 and 12 mM, respectively. In the absence of mENA or initiation factor inhibition of BMs-GDNA binding is complete (~200%) at 3 mM Mg and, although somewhat relieved by Mg , remains quite high (~45% and 75%) at 24 mM Me\*. The only condition under which the substantial (~80%) GES1112 inhibition is almost fish ediend by increasing the Mer' connectation is that in which IF was conitred a Fig. 58s. Taken regether, these data indicate that the dose-response curves of the inhibition of Federal NA binding GERT 112 inhibits both coded and monooded (Met GOVA) binding to the 3/S solvent and regardless of whether the coded binding is assisted by the three indication factors (Fig. 39). Thus, it can be complexes, which enter into the A-site of the 3/S shoomes from

Pole decoding nor the functional interaction of the initiation factors with the aboscomal softward and/or with its liquids but instead is the besult \$500A-31S submit instruction. This conclusion is consistent with the observed effect of changes of Mg. \* concertration and other variables on the ensen of GER1112 imbibition. In has been observed, in fact, that all conditions that determine an increased afficies of the observed subunit for Man-GNA cases a reduction of the inhibitory power of the ambiente, whereas the presence of IF3, whose capacity to increase the mass of forms and dissociation of the WS in transportment is well known (1), 17) seems to enhance the inhibition by GES 112.

In light of the premise that the XS releasemal subunit is the target of GES1112 inhibition, chemical probing experiments of the 16S rSSA were performed in its presence to identify its reboxumal binding site. As seen from the primer extension analysis of the modified rRNA, GES1112 provides a substantial prosection of G695 from Betheral modification (Fig. 64), exposes C795 to dimethyl satiste (Fig. 4B), and causes smaller persections of G70 (Fig. 6.4). A 701 and C 796 and compating increased reactivity of A780, A794, G799, and G865 (Fig. 68). Some of these bases are the same as those protocoid by P-sixe-bound (RNA (19) and by other inhibitors such as ofeine, lassignation, and pactatricia, which are traditionally considered Peite nithbitors (14, 15, 20). For instance G693 is occurred also by excruencin and edvine, whereas A794 which is exposed by GER1112, is protected by knogamycin and edeine (14, 20), and its custation confers resistance to knot gampsin (20), C765, on the other hand, is exposed also by knot gampsin but is protected by pact anyons and edenie (14, 20, 21). The location of the basis affected by GERI 112 are highlighted within the 30 structure of 165 rRNA (Fig. 6-C and D). Overall, these bases define a review between the obstown and the E-size of the WK subsoit. In ties, this finding suggests that inhibition by GES1112 does not involve its direct binding to the Point but probably estalls an influent mechanism of action (see Discussion).

Protein synthesis is the fundamental biological process inhibited by the majority of known ambionics. However, whereas electrics activities such as aminoact@GNA binding and decoding in the ebosomal A-site, transpoptifusion, and translocation are frequently found to be affected by antibiotics, after with different methanisms, other functions such as translation initiation, termination and aminoacutation are ramb or never found to be inhibited (1-4) Thus, the relevance and uniqueness of the present finding lie in the identification and characterization of the functional properties of CER1112, a sutrapoptide, which proved to be the most selective and effective inhibitor of prokaryotic NS initiation complex formation

known so for. The medianism of translation initiation is unique among the various stees of translation insofar as it involves the direct binding of Blor-GNA in the abosomal P-site through a process mediated by initiation factor IF2 (11, 12). However, writte the case of elengation factors, which are directly targeted by inhibitors such as finide and (EF-G) (22), himosysis, polycosysis, and the thistolyt seeds (EE270A/EF-Tu) (23, 25), no bown ambiene is carable it interfering efficiently and specifically with the IF2-filter-RNA interaction. Furthermore, although it is known (and fully confirmed by the present study) that none of the few ambious; that are considered "Poite inhibitors" (e.g., edoine, pactemptin, and kasuggestion as reported in refs. 1-4) is either selective for protaryotes or specific for a single molecular target, GES1112 was found to target specifically the 31S absocuted subupit and to interfere endesirely with fMer-ENA binding to the Poise; in fact and of translation inhibition are almost superimposable.

concluded that the main target of GES1112 inhibition is not the "thoulder" and "1.7/1.12 stalk" side of the 335 and 505,

# Deep Indexing: An Innovation in Search and Discovery of Scholarly Material ...





Jim McGinty
Vice-Chairman
Cambridge Information Group



# Change in Focus of Indexing

T. Uneda, K. Nonces, R. Materians: Characterists at finite temperature in paradial lattice QCD

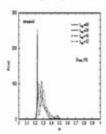


Fig. 2. The result of MEM analysis for the spectral baction. loss for second P1 combin cospered of the qualit at

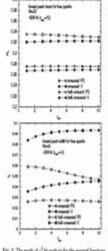


Fig. 3. The result of y<sup>2</sup> fit analysis for the spectral functions from the PS correlation compared of free gradie at  $X_i \in \mathbb{R}$ .

packs, the width extracted with MEM may be of order of 0.6-0.2 in temporal lattice units

We sho uply the 31 fit analysis to the conductor mapwel of the goods. In the case the error of the same upo pera Mesta Carlo mandarira pro instruct on the comlates without florisating them. Figure 2 down the result of the x2 fit of the combiton composed of few graphs at N . N using the 1-BW creats. The turn dependence of most and width (with find four - II) indicates that the single FW court describes notice will the conductor. As is decreed in Fig. 3. If the combate is composed of be gods, the y2 fit give stalls different to tree sol. with squaren for the moned and full-moned on rdam. The departure is in agreement with the list that the propagate should only show the two less quark not said to particle like emitations and indicates that by totag the besidence of the reads in the specing fracten we no detagon plessod effect from artificite has

### 5 Setup of numerical simulation

The sen temperature better used to this paper in the third me of \$50 a quarted lattice of size \$1<sup>5</sup> x \$40, gameand with the standard plaquette action with  $(\ell,\gamma_{\ell})=$ 8.10.1250). The coping and hav another onrepeal to the resembled suscepty  $\xi = \omega_0/\omega = 4$ with I's somey [7], and the spatial lattice candl 6" - 200010 GV at ht de labout rabs ra = 0, 500 conferences are provided with the people loss bath update algorithm, such separated by 2000 peace, after 2000 peaces for thoroadtration. The nest-field value are defined as the average value of hill raciallies in the Landau parge, and obtained as 4, -0.86503) and 4, -0.9803

To detends the cattral temperature, we means the Polysker loop susceptibility at  $X_i \times Z_i$ ,  $D_i$ , and 25 at E = 0.25, and in addition, at several values of  $\delta$  (with constraining value of  $\infty$ ) around  $\delta = 4.38$ at fixed K = 20. In S = 6.05 the lattice scale set by  $\eta_i \approx \omega^2 = 1.00300$  GeV, which together with  $\omega^2$  at F = 4.30 describe the value at the other value of Sbe linear interpolation. The encoptibility peaks at about I = 4.33 and  $N_c = 26$ . The critical temperature is also tained to T. to 200 MeV with 30 MeV of roughly settingted sportsair: This value is slightly higher than the correstional value with the scale set by the string tension, as a manus tealour by aligning the scale by to

The Surprising conductors at T is 6 are assessed for two values of temporal lattice extent,  $N_1 = 32$  and 38. Corresponding transportation are 0.047, for  $N_s = 32$ , and 1.04% for  $N_c = 26$ . For levels, these trapentors are handered to set \$7, and \$37, reported: The the temperature treated in this paper set in the visiting of the transition. At each of these two X-is, we present 100 conferences each separated by 300 parallelesis buth recept after 2000 strongs for thermalization.

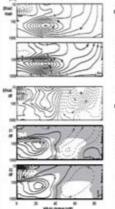


Fig. 6. West rate and different between SEC and SEC in pool para need word (as it, everyed three feature to Month, in DUAL St. and St. Stated ones on or confront's Affects fraction (Het y-Cit).

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Dead man temperatus difference between \$1500s and La Nida see daves in Fig. 7. The observations does a proproced upplying the Actor lower strengtons. In 12, the person is well reproduced, for put its emparts, whereas in-52 de person a les sell reproduced. The Arctic responthe regions in the mobil is opposite the law 2005/s. At birther lands, within-exceptible constitutes to the lanes for obmany significant weeks. Both 12 and 52 days a signifiour winting of the interprise top grow and lower street giver which is per see, in the observation. This is probably rejective at his papertiple bendone at a saturation a farantific 6 days prived a factorresso.

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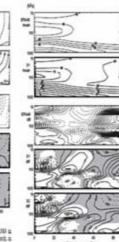


Fig. 7. New volve and different between 1907 and 1905 as and not repend (\*C), everyd fae fauny a Kirch, is BAR, 11, not 12. Sholed over no per agradiously different Secret (46, y-11)

In order to collect and the probability for the transverse in

gross in the stronglass, we such ad 13-booth sense of response of the North Pole (SIFE ET STY to SOCCE) or 1000 and 10000 to the individual executive secution to well as in SEA40 (Fig. 1). The requires don for 1958 II daw a straig distribute (sayer subvisive warrang) is: Japan. Walk of 1910s, respective droped spin deing February and reached very law values in Mirch, the directions or 1975th personal into group. In 1955 19. is copract for rolle remedien was undirected and call well are February, but the faul womake that was not not proarrord in the 1000s, experiment major warmings apper is not of the condition is both water, constine stredy a law Mercather in Deceation The large day-to-day technic cow s lop with exects mobile, which bapen to control policy of execute seas.

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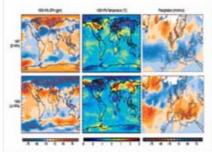


Fig. 1. Observed susception of 2000 the proposestal length (left) and in responses position in well as prosponses triple for flourly to Mort 18" (up out hours a Mort 1907 famou with separt of a 1974-1907 pend.

blasso 1970 service in the York Partie are such as a ... an injuryal and recording to both public. For 1970a. ming (well) Alexton leve for El Yido (La Yido), econopaid to ligh first teaperates is Alada Sespenter provise is series was flurge were straigh support for de El Nide want and positive for the La Nide wants. The 2005/s GH felf daws remanage (secrete besides) NAC serves in the two states. This is in exposure serveper will be "research" effect of \$1000 or \$1000 in low water. The ELVate water also reception the strong 1945-1940 сме фитациям ег al. 2004; А итод роспуского signal is firead especially the far Le Yalla waser, with separe simples designed by Middennies and subproits moule it setteens force. To Il 100 our days reposite of econin cas, he didd's wake a posimply. In report, the resilts darw a clear to respectic regrape for time the water, with regard to part of the Series, salt Sey again regret Sat 1905-1909 was a "Clecolf D10 colentespora in diese to contra overtial Verti-Adopti - Europea verso:

Cognition News stations at riverson for the two authorities where are provided as a stact wave but tarrelin or days best because of the different clipurposes and Newstates, 2 is imposted to any facstade to the inherent sp. Total particle state a regional flar is dire to coasety, would be repetite charming in da ter vizer. Melel teich lepecità paigil se cospand to the observation in Fig. 2 is the Sons of the AStergor between the ELIVative state (CRET) and the Elividia ware (170). To applicate of the parasites are procally quality is the exceptive party. See in the chromotopy.

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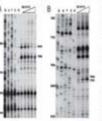
Mark 197 and 199. The two victors within the well - which is extend the to reserve. The terrors, because son & No. ill epeoper day nill vare a seteres Tops, metalg of som series Toxis, ada dark pines is 2000 bit GPE messing the septime made of the 1040 (see Comparer al., 2001, the a discussion sthelmed daught is solven and notability. In the 100000 eperators will a a factoring forum a 101 famoney come to down to be did to know.

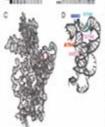
> For prospersion (Fig. 2), oil expensions reproduce the when the second former software as to find the make any. The programs signal over the Adults or Sen a wednesd daff is the Adheric costs took for \$1. Nittle relative to La Nitte, which was also shown by Compaand Sandarbookis (2004). As the due other fields, the month take of the exercisation postulies is indirectioned. The etales, to all time faith incommon GPE and tracinarrived the same differences between El Nido and La Nido freal to the riversess on the controlly updoor (tect, p-107) to the bank/expectation.

Serial Series, on the other land, we set well reproshoel is the 10000L suisk. This craces is pertrain refore or suspensive your flat set in surfit of Electr Miniis 10770; Allo, the vorsing signal for El Nido same Lo Title cowing from folion to be Middle Eart is not well personal legal to forbands).

In addition to the conditions of the executive sweet differ ease, it is should a size or look or the distribution fractions (see also 30sts-Gracethap et al., 2005). Figure 3 staves batopics of tesperature in a god poor said Diletta, Two do 30°X 10°E, which a down the best in of the aim

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that assister GDNA and GERECO compose for histlages the 345 salvani. In the Editoring experience, Thirt GNA hading to the Mindrantova solid as basico d'April concentrario à la process and abuse of different obscenal ignored and of a find resources (LSyM)-8728112 Our fading from some tax the ambient states Mo-GNA hading water all condition und Rwee, to cost of abbles sreet dook to condition (i.e., Mart concentration and presents or absoluted arrange better and miDNA; the adhesis the offerty of DAn-GNA by the 36 submit. Time, GERIEC adultion of 36 gitation couples became a missens (-APIL at ) ald Mghardways call and call whenth the 'a increased to Fast Call repetion lette dwar dig 200 or priving better. Mar Carl (1992 - surgion is palant ANCO at June June No and, attempt asserted releved to Marris mouse gain (+4)% and (5%) or a Pauld Mark. The outh condition under which the substancing in-BPG i CERECT, adultation is above both related to account the Martin constitution in the investor, \$1 wa maked if y (B). Taken regeller, these data solvers that the deal-regions cornered by attabase of Prior (EN) hading (ERICLabbehod rotefashwoodel Min-GNA/soday to tie 355 sehoot and regardies of whether the croted binding in assisted by the three initiation Success (Fig. 59). Thus, it can be completes, which come into the A-site of the 765 abnormal from combated that the main terger of CERSEC attitution is now the ... the "Monthle" and "ESSEC with" sub- of the 355 and 555

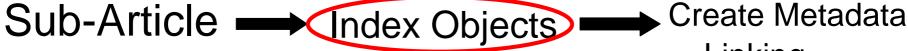
Felt deeding are the factional inspection of the pittings faces with the obscured softent and/or with in ligarith he issued in the bear \$700-775 subsess interaction. This conclusion a content with the drawed affect of thereps of Mg<sup>2</sup> craces recion and other variables no the cross of GERCIC addresses. It has been observed, in fact, that all conditions that determine an ignosed ellipin of the showing select for \$4x-4NA came a relative of the addition power of the ambanic whomas the pessos of EV, whose capacity to common the term of Extraction and Secretary of the ASS activates complete a well become 121 Ch. were to educe the attitude by CERCIC

le light of the premier than the 15% obvioused substitute is the target of GERCCO intellies, chemical perhap expensions of the 145 sESA way perferred in its reseases to already in observed Nedleg site. As sum from the primer emoning analysis of the modified dDNA, GERTES provides a substantial presention of GARS lone heteroid medification (Fig. 64), expose CRS to Sported sellars Fig. 481, and come studie presections of CNI Fig. 68; AM, and CNI and understan increased marriers of ANI, ANI, CNI, and GRO Fig. 4D, Separal directions are the sees as three personnel by Frein-bound (ESA (IF) and by other applicate such as whole Europewig, and recountry, which are notionally resident Poin statem (4, 15, 31; For access, GHT is personed also by partnerpole and release, whereas A.TA. which is expressed by GERLLIC, is presented by Europeanier and able 12 N. of margin ride minus via superi (21), CTV, ris the other boat, is organed also by Europaincia fre proceedity paragrap and chine (14, 21, 21). The incurion of the hose affected by GERSES are highlighted within the 3D amenture of 365-d2Ns, Fig. s C and Dr. Oweng, these house before engine horses the platform and the E-six of the XXI advant. In tim, the Series argume that abbreve by GERCEC does not iente is dest hoder to de Pois he setaté unit as infect neclasion of action two Discussion.

Provise methods is the fundamental believing persons with leading for against of harmst authority. However, whereas disspecies actrium sub as uninvert-GNA histog and decoding in the shround 4-six, trappytitative, and translocation are frequ lend to be affected by anthrests, after with different methsion, other Sections and as transfers assume, terminology ed animorphism on north or some female (n. 148 ked ()-4). Thus, the interests and uniqueness of the present facing to in the shortcoins set there propriet of the bactered prepares of GERCEL strengspills, which period to be the soverallective and effects abbits of polaryon. Mi amore couple fromos-Name of Ser

The medicalist of residence detectors is policy upone to nome was of manifest marks as a probes the direct hading of Mord Six is the obsessed Projet drough a process audient to intuition factor \$27 (3) 17). However, within the case of alongmion Section, which are directly targeted by addition such as holds and EF-G-CD, temporal physicial and the triantel popula (\$22704, \$274) (21, 25, or bown perfects in courts of environ elisions and products with the EC-Mo-ESO invacios. Performes, alternat à signes qui biliventienni In the present study that some of the law artifects that we considered "Febr statemen" (e.g., ethins, personner, and basensireix, se second in ed. 1-0 is either selective for onkeyen re quale for a single projector target, (EREEL) was Ited to taget specifically the 35' effected submit and to proclem inclusives with Man-GNA hardage to the France in Sec. and of manufactors adulticies are observe experimentally.

Units what large on in "streption," animary of NA-12-To

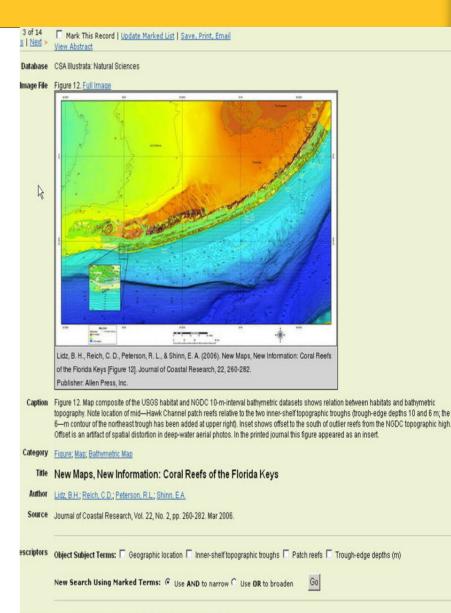


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## **Deep Indexing Provides:**

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- --save time
- --work more efficiently
- --aid in presentations
- --find more relevant results."

Tenopir, C., & Sandusky, R.J. (2006). The Value of CSA Deep Indexing for Researchers - Draft Final Report



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# What's Causing Enhanced Precision/Relevancy

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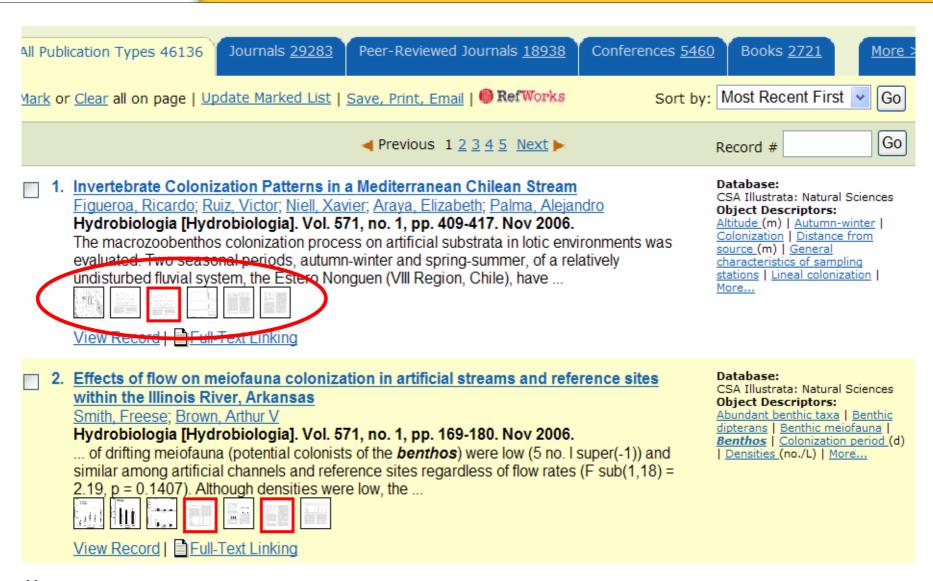
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Ambio [Ambio], Vol. 34, no. 3, pp. 218-223. May 2005.

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Conservation and Development in Amazonian Extractive Reserves: The Case of Alto Jurua

Ruiz-Perez, M; Almeida, M; Dewi, S; Lozano Costa, EM; Pantoja, MC; Puntodewo, A; Arruda Postigo, Ad; Andrade, AGd

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Table 1.

Area (km²)

21 630

22 008

Populatio

21 562

25 562

25 962

28 992

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Figure 4

Figure 1

Figure 2

Figure 5.

Abstract Extractive reserves constitute an innovative approach to match conservation and development objectives, which were originally envisaged as part of a land struggle by forest dwellers in Brazil. In spite of the idea's popularity and the attempts to apply the concept to different tropical regions, there has been little analysis of the combined conservation and development performance of extractive reserve programs. We present a detailed analysis of deforestation and demographic and socioeconomic changes in Alto Jurua, the first extractive reserve created in Brazil in 1990. Forest cover has remained fairly stable. Population has declined slightly, with some internal displacements. The cash economy base has shifted from the original rubber production to a diversified portfolio of agriculture and livestock, and there has been a dramatic rise in nonagrarian income. We conclude that the Reserve represents a very dynamic setting with positive conservation and development outcomes during its first decade.

Article Subject Terms: Ocnservation Forests Deforestation Demography Development Development Socio-economic aspects Development

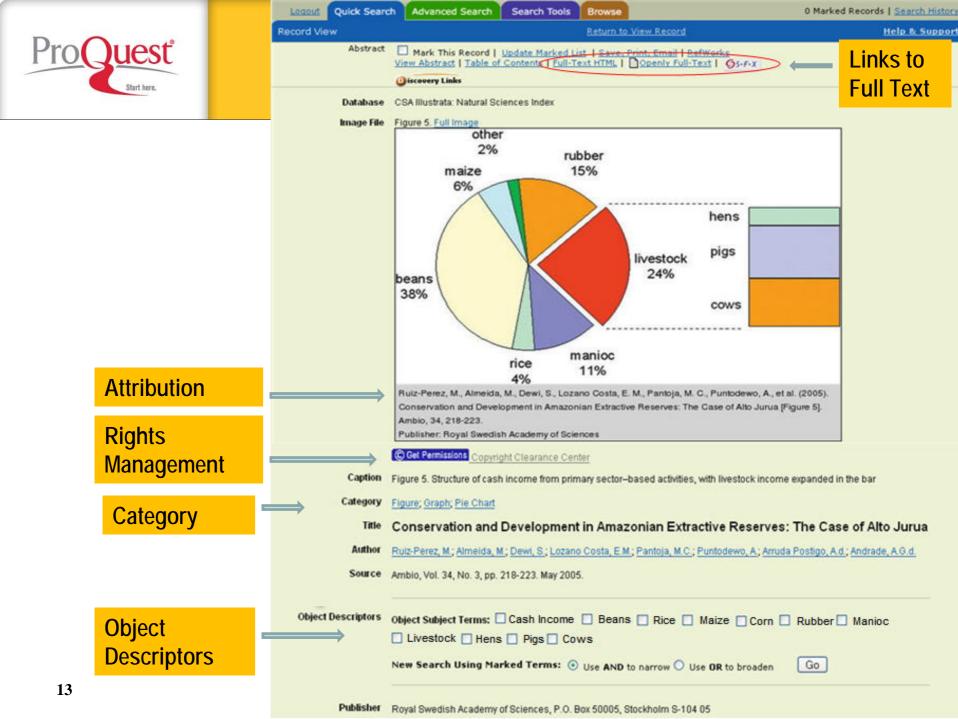
	Livestock Tropical forests Population dynamics Income
	Article Geographic Terms:   Brazil, Amazonia
Object Descriptors	Object Subject Terms: Area (km²) Average cows per family Demographic changes Extractive reserves Livestock income expanded Number of cows (no.) Percentage changes in livestock (%) Percentage deforestration (%) Percentage of total agro-extractive production sold (%) Percentage rural (%) Primary sector Rural population index Structure of cash income Time (yr)
	Object Geographic Terms:   Brazil

Royal Swedish Academy of Sciences

Classification D 04705 Conservation; M3 1120 Land; EE 10 General Environmental Engineering

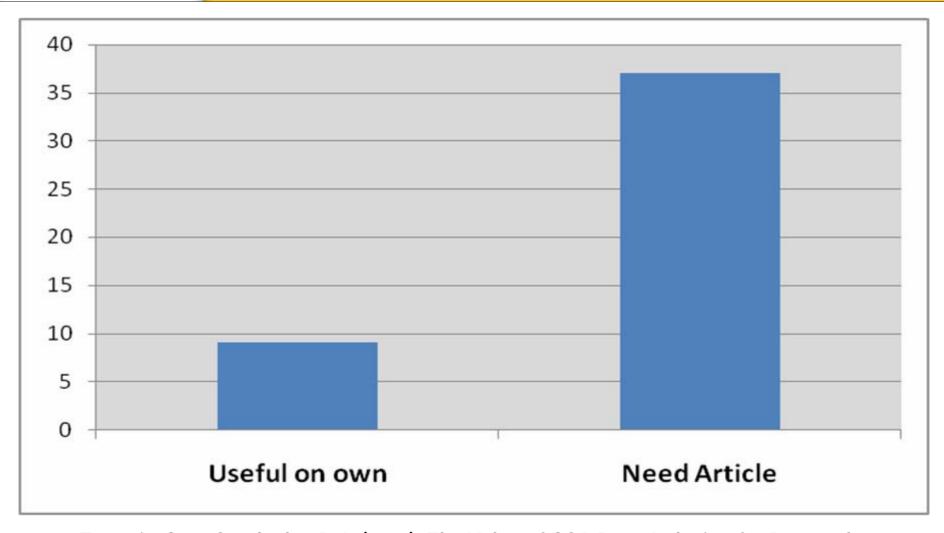
New Search Using Marked Terms: 

Use AND to narrow Use OR to broaden





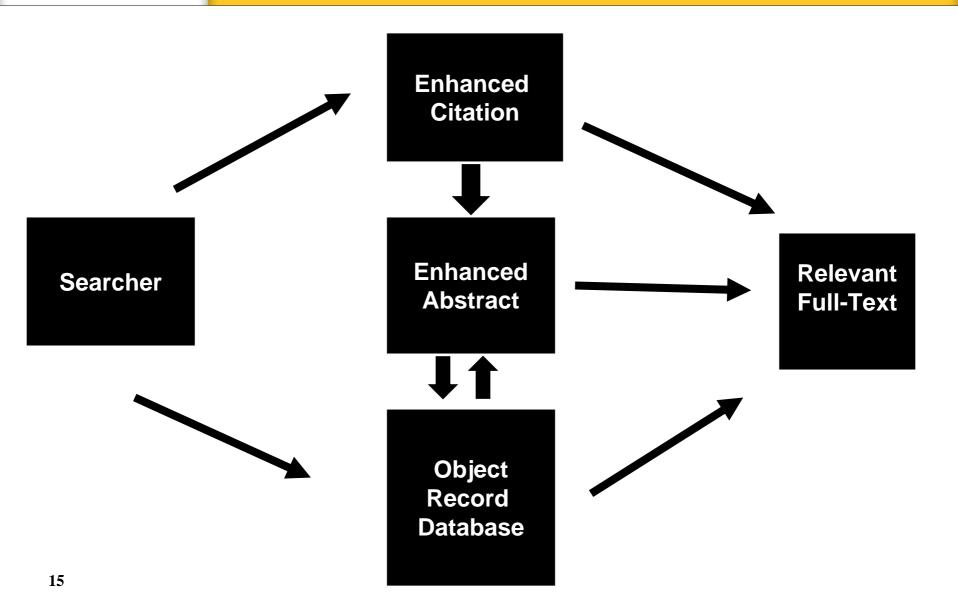
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Tenopir, C., & Sandusky, R.J. (2006). The Value of CSA Deep Indexing for Researchers, 14 figure 59 - Draft Final Report



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