

# Boundary Management Database based on Hypermedia

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**KEY WORDS:** hypermedia, node, card, link, demarcation, boundary.

## ABSTRACT

vrs. ni yg. JS aJdupi fC pst i fei nJu. i up. t i uil st sun fs\* i sy. nJ. rrs. aJdupi fC t i r f i \*y. hr er. i fs. i l fs in \*n i up eJt U\* Tc. vr y. U Usf. t i u\* C psi \*y. h rr. rrs. psyl u. i up. fs i \*, in Ju. JS rrs. aJdupi fC t i uil st sun pi n ai ys. h rr r CUsft sp i. yf dnf s. dy ul. t Jpsfu4nt s. rseru lds. JS l sJl fi U r C. uSft inJuc vrs. psyl u. t sr Jp. y. UJ U ysp. nJ syi a\*yr. rrs. yU ni \*pi n ai ys. S f. aJdupi fC t i uil st sun Ju. ai y y. JS r CUsft sp i. pi n ai ys. rseru lds

## 1 INTRODUCTION

vrs. aJdupi fC t i uil st sun y. i u. t U f r i ues. h Jfg. JS r dt i u. yJ e sr C. u. yU es. t i uil st sun Onh ps\* CeJuy yn u. rrs. \*S JS r dt i u. yJ e sr C vrs. aJdupi fC pst i fei nJu. i up. t i uil st sun h Jfg. Ju. eJ dnf sy8 UJ3 uesy8e nsy. i fs. i. eJt U\* T. i up dfl sun ni yg. hr er. fs\* i sy. nJ. U h sf Sd\* U\* eC. i up. p Ssed\* n rseru lds c0n r i y. nJ. uJ n Ju\* C as. i eeJ fp ul. nJ. i. ysf sy. JS\* h pJedt suny. yder. i y. aJdupi fC. rfsi rC. i up. il fsst sun8 adn i \*yJ. eJuy psf. ui rdfs. su3 fJut sun S en fy. i up. t i u4t ips su3 fJut sun s\*st sunyc S f. sT it U\* 8 nJ U l fi U r C. i up. \*up Sft y8 h i r f. i up. yJ \*fsyJ d f e s, r y nJ f C ed\* rdfs8 p yf adrs y i r s. JS U J U\*. u. rrs. aJdupi fC. fsl Ju8 r e c

Qu. yU se Se. aJdupi fC t i uil st sun h Jfg8 i aJ3 s4 sun Jusp. aJdupi fC t i r f i \*i up. pi n i. i fs. ussp. nJ. UJ essp. S ym Uy8 yCursnei \*C. i ui \*Cy y8 t d\* n4 U\* i u. t n i n Ju. i up. eJt U f y Ju83 ydi \*sT U fsy Ju8 r e c vrs. pst i fei nJu. U\* u. y. ys\* s e r p J d n i up. i ees U s p. s3 s u n d i \*C. a. C. a. J r. y p s y n r s. r h J. U f n s y) c G d f. aJdupi fC t i uil st sun h Jfg. y. e i f f sp. J d n r r f J d l r r f i p n J u i \* l d i \* n i n 3 s. i u i \* C y y. i u p. r i u p. J U s f i n J u. S f. \* J u l. r s f t c 0 n \* e g y. t J p s f u y n e. r s e r u e i \* i f n S e s. i u p. e i u. u J n y i n y C. r r s. f s l d f s t sun J S t J p s f u 4 n t s. a J d u p i f C t i u i l s t s u m: Q u. J f p s f. n J. t U J 3 s. h J f g. s S e s u e C 8 n y. 3 s f C u s e s y y i f C n J. y n d p C. i u p. a d \*p. " r r s. r C U s f t s p i. p i n a i y s. S f. a J d u p i f C t i u i l s t s u n " . t i g u l. d y s. J S e d f f s u n l s J l f i U r e i \* u S f t i n J u. r s e r u l d s. h r e r. y. \* s i p s p. a C I 0 n r

Qu. rrs. i fne\*8st U r i y y. h \*\* as. U d n Ju. rrs. y n d p C. i up. psyl u. JS r CUsft sp i. pi n ai ys. i a J d n a J d u p i f C t i u i l s t s u n y d U U f n s p. Ju. B Z z 0 M j G 8 i e e J f p u l. n J. f s l d f s t s u n J S a J d u p i f C t i u i l s t s u m: v r s f s a C. f s i \*, s y. e J \* l i n J u. y n J f i l s. i u p u n s l f i n J u. t i u i l s t s u m: Z u p. U J 3 p s y. r r s. S t u e n J u y. J S u S f t i n J u. u l d f s. i u p. p s t i f e i n J u. i U \* e i n J u c

## 2 FUNDAMENTAL DEFINITIONS

### 2.1 Boundary Demarcation

vrs. ni yg. JS aJdupi fC t i uil st sun t i u\* C. ue\* dpsy. aJdupi fC pst i fei nJuc On y. yJ4ei\*\*p. rrin pst i fei nJu. y eJuSft ul. rrs. i pt u yf i n3s. aJdupi fC as h ssu. i p f e s u n i p t u y f i n 3 s. f s l J u y c v r s. U f s e J u p n J u. J S p s t i f e i n J u. y r r s. s T y n s u e s. J S a J d u p i f C p y U d n s v r s. a J d u p i f C p y U d n s. y. e J u y n d n s p. u. r r f s s \* s t s u n y. S f \* J h s p:

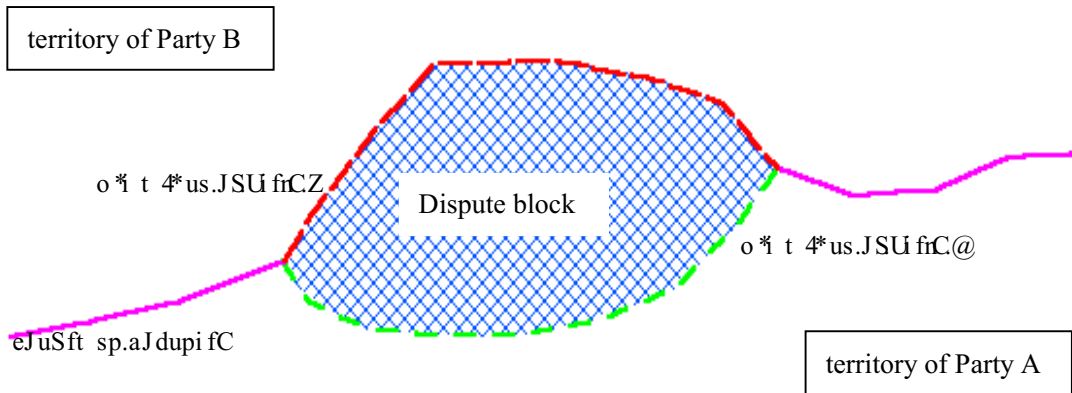


Figure.1, , cVnstitutiVh, V, dispute, boVck

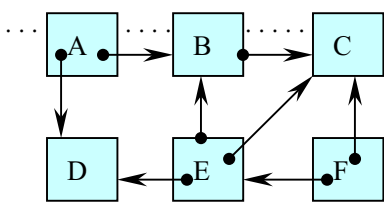
- ①. t i u.aJpCJSaJdupi fCp yUms : i dr Jf ri n3s.du ry.JSi p6 esuni pt u yfni n3s.fsl Juy;
- ②. Ja6enJ SaJdupi fCp yUms : y6e Se.p yUms.i fsi ;
- ③. fsUfsysun nJu.SJ ft .J SaJdupi fCp yUms : p S6fsune\* t .J Srr s.rh J.U fnsy.Ju.aJdupi fCrfsupc

Zt Jul .rrst 8rrs.y6e Se.p yUms.i fsi . y.rrs.U fned\*f.Ja6enJSpst i fei nJu.h Jfgc0n y.ei \*\*sp.eJt t Ju\*Crrs.p yUms a\*Jegc 0n y. fsSJ ft sp. rr fJdl r. rrs. UJ espdfs: 2 df ul . rrs. UJ espdfs. JS erseg ul . aJdupi fC8 rrs. n h . U fnsy. JS pst i fei nJu. Udn SJ fh i fp. fsy6en3s\*C Jh u. aJdupi fC e\* t 4\*us. i up. eJt U fs. rrst c o J ue psun aJdupi fC ysl t sun fsSJ ft .eJuSft sp.aJdupi fC8 ueJuy y6sunaJdupi fCysl t sunfsSJ ft .p yUms.a\*Jegc: sUfsysunp. u.j l dfs.R;

**2.2 Hypermedia Database**

wC6fnsTh y.rrs.6eru lds.JS uSJ ft inJu.t iuil st sur8hr er.\*ugy.i.yfsy.JS uSJ ft inJu.a\*Jegy. unJ .fsned\*inJu. u r6ft y. JS esfi u. \*Jl ei \*y6ldsuesc Zup. n y. yJ4ei \*\*sp. rin rC6ft sp i. y.rrs.6eru lds. nJ .t iuil s.t d\*n4 sp i uSJ ft inJu.aCt siuy.JSr C6fnsTr

vrs.rC6ft sp i.yfndfns. y.yt \*f.n.rrs.t st JfCJSrdt iu.t upc0nt igsy.dys.JS uJu\*usif.fnsed\*f.yfndfns.nJ Jfli u ,s.\*dt Uyr. uSJ ft inJuc0n y.3sfC.siyC.n.Jfli u ,s.i \*\*uSJ ft inJu.a\*Jegy. u.r6ft y.JSr dt iu' y. "iyyJe in3s fs\*inJu" . ipJUhul .rr y.fnsed\*inJuc

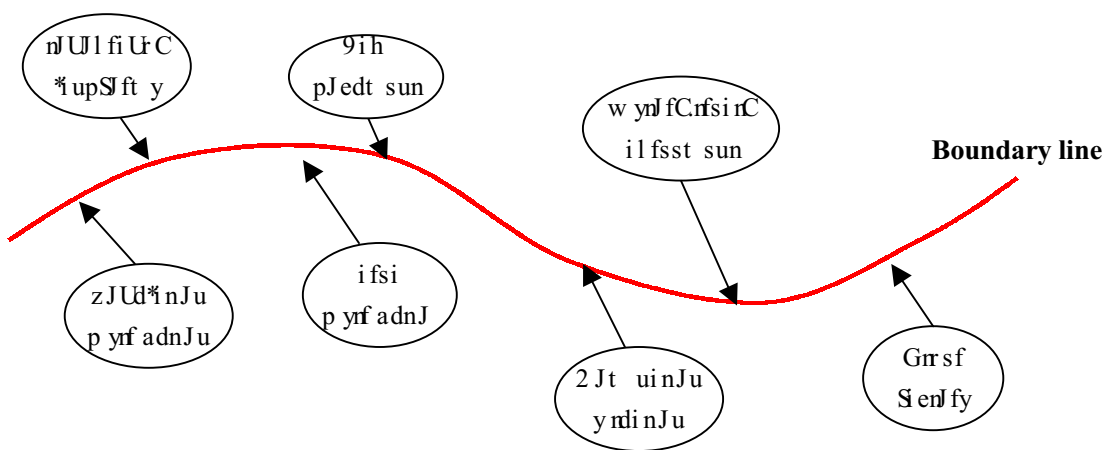


Figl,2, , sketch,map,Vf,hypermedia,structure

... j ldfs.k.y.i.hrJ\*s.t u rC6.rC6ft sp i.yfndfnsC0n y.eJuy y6p.JSt iuC u\*us. uSJ ft inJu.a\*Jegy.yder .iy.3senf.l fi Ur 8fi ynsf. t il s8fsi \*i upyei Us Ur Jn1 fi Ur 8i3 inJu.Ur Jn1 8r fss4p t suy Jui \*p l ni \*i upyei Us.t Jps\*8nsTn t insf i\*8 3 psJ.i up. fi p J. t insf i\*8 srec ZuC Jus. JS uSJ ft inJu. du ry. y ei \*\*sp. DuJpsbc: sl i fp\*sy.JS y ,s8r sfs. i fs.yJt s.UJ unfy.ri n UJ un nJ .Jf SJt .Jrr sf. uJpsy. in si er. uJpsc vrsys. UJ unfy. i fs. ei \*\*sp. D\*ug ul bc vrs udt asf.i up. p fsenJu.JS \*ug. ps6sup. Ju. rrs. eJumun JS s3sfC uJpsc mJt s uJpsy.ri 3s.t iuCeJu6duenJuy.h rr .Jrr sf.uJpsy.yJ.rr sCri 3s.t iuC\*ug ul yC mJt s. uJpsy.ri 3s. uJ yni fr\*ug ul y8r sfsSJ fs. rrsC ei u. Ju\*C as. i t 4uJpsyc vrs.\*ug ul .JSr C6ft sp i.eJuuseny.l susfi \*Ch rr .rrs.eJuusensp.UJ fnJu. u uJps. fi rrf. rri u. hr J\*s. uJpsc j Jf. sTt U\*8 SJt .p yUms. i fsi. yCt aJ\* Ju R6 0000yei \*. nUJl fi Ur e. t iU nJ .p yUms. a\*Jeg. t iU JS R6 0000yei \*s fi ynsf. t iU8i up.yJ .Juc

**3 THE CONTENT OF DEMARCATION MATERIALS**

@dupi fC.pst i fei nJu. y. u. fs\*inJu. nJ .t iuC.Sen fy. SJ f. i ui \*Cyycj Jf. sTt U\*8 ui rdfi \*.su3 fJut sun Sen fy.yder .iy nUJl fi Ur Ci up.\*i upSJ ft y8h i r6f.i up.yJ \*fsyJdfes, i fsi .y ,s.8i up.t i u4 ips.su3 fJut suns\*st suny.yder .iy.r ynf fC8 ed\*ndfs8 aJdupi fC.rfsi rC.i up.il fsst sur8t \*ri fC.yfni l st 8p yf adnJu.yi r6.JS U6JU\*s. u.rrs.aJdupi fC.fsl Ju8srec : sUfsysunp. u.j l dfs.;



Figl,3, , factVrs,Vf,demarcatiVh

@C.rr y.nJgsu8rrs. uSJ ft inJu.i aJdnaJdupi fCt i uil st suni up.pst i fei nJu. ue\*dpsy.pi ni .JSp S6fsunnt s8p S6fsun yei \*.i up.p S6fsunnrC6s8yder .iy.3senf.l fi Ur .JS3i f Jdy.yei \*y8fi ynsf.l fi Ur 8fi ynsf. t il s8fsi \*i upyei Us.Ur Jn1 fi Ur 8 i3 inJu.Ur Jn1 8r fss4p t suy Jui \*p l ni \*i upyei Us.t Jps\*8nsTn t insf i\*8 3 psJ.i up. fi p J. t insf i\*8i up.yJ.Ju nS l dfs.F(c

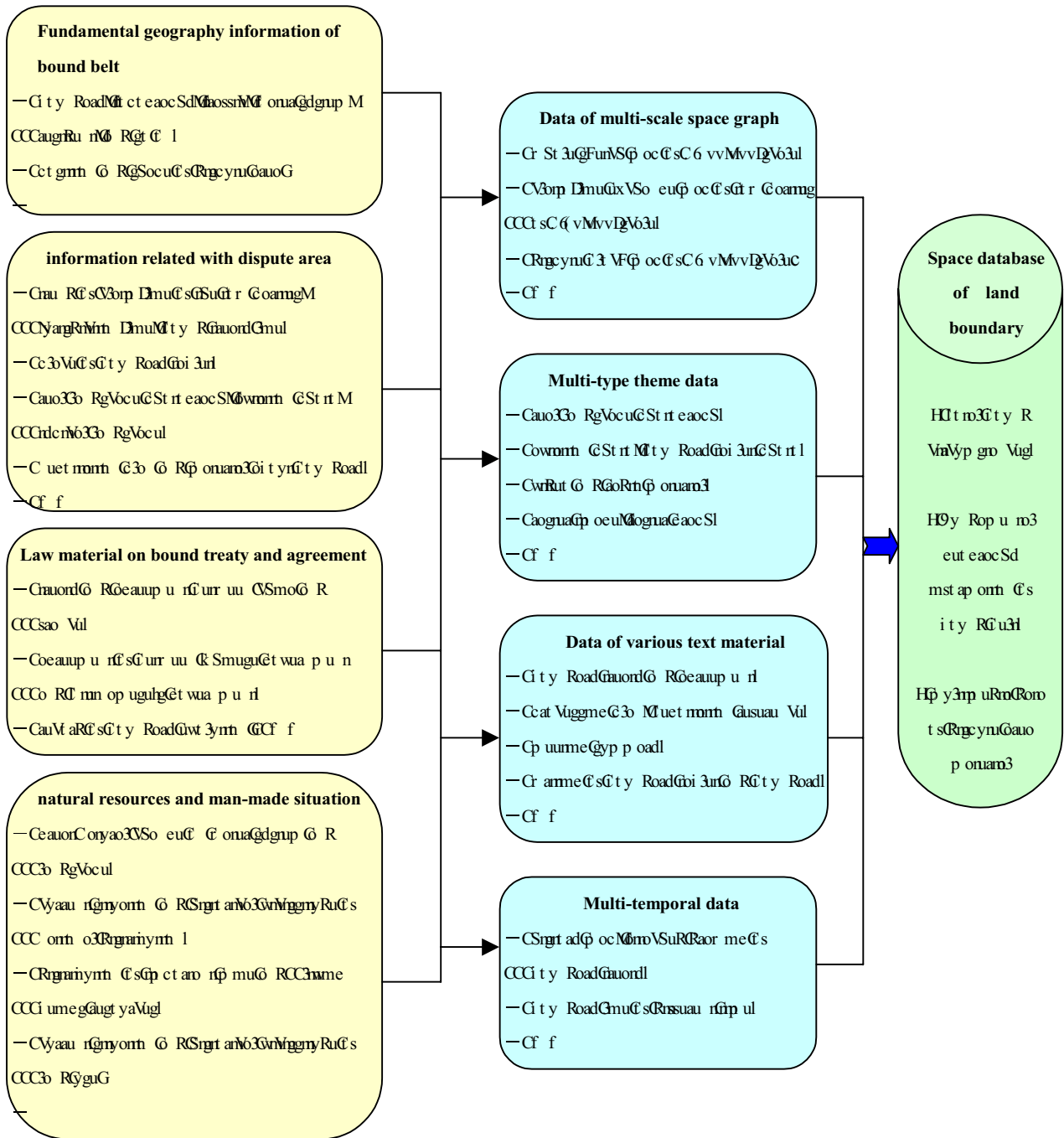


Fig1,4, , data,cVmpVhents

#### 4 ESTABLISH OF BOUNDARY DATABASE

2 syl.u. iup. ad \*p. rrs. aJdupi fC t iuilst sun pin aiys. t ig ul. dys. JS rCUsft sp i. yfderdfsc : si\*, s. uns l fi nJu t iuilst sun JSj dupit suni \*lsJl fi U rC. uSjft inJu8pst ifei nJu.t i n s f i \*8fs\*1 m p. rfs i rCi up. \*h. yni ndr s. u.aJ dup.as \*f hr er.ifs.rrs.pini.JSt d\*n4yei \*s8t d\*n4nt s.iup.t d\*n4t sp ic

ZeeJfp ul.nJ.rrs. psi.JSrCUsft sp i8i\*\*aJdupi fC.t i n s f i \*y.iup.pirdt .i fs.i ui \*C, sp8i ffi ul sp8i up.p 3 psp. unJ .i ysfy.JS uSjft inJu.Usesyc7ier.JS uSjft inJu.Usesy. y.psSusp.i y.DuJpsb.JSrCUsft sp i.pini aiyscvrs.uJps.t iC as.iuCrCUs.t sp i. uSjft inJu.yder.i y.Jus.JSRX OOOO4yei \*.nJ U l fi U r e.t i Uy.J SaJ dupi fC.fsl Ju8Jus.JSRROOO4 yei \*.nJ U l fi U r e.t i Uy.JS yyds.ifs i 8Jus.JSpJedt suny8Jus.JS U endfsy8Jus.JS fi p Jy8Jus.JS3 psJy8Jus.JSr fss4 p t suyJui \*p l ni \*.\*1 upyei Us.t Jps\*y8i up.yJ .Juc vrsu8i ui \*C, s.uJu\*usi f. \*ugsp. fs \*nJu.asrh ssu. pini . sunnsy.i up

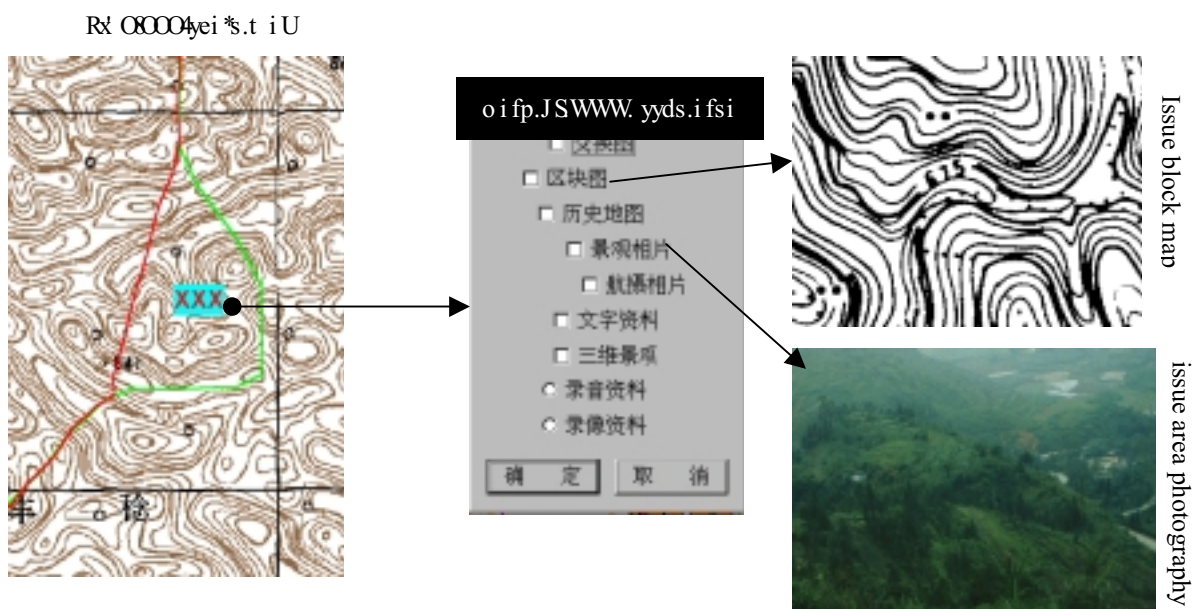
syia\*yr.eJffsyUup ul .fs\*nJuy.asrh ssu.uJpsyc vrs.\*ugsp.fs\*nJu.asrh ssu.rh J.uJpsy.y.uit sp.D\*ug ul b.JSrrs  
 rCUft sp i.pini aiyscj ui\*\*C8rCUft sp i.pini aiys.h rr.fsned\*f.\*ugsp.fs\*nJu.y.Sft sp8hr er.eJuy ynJS DuJpsb  
 iup.D\*ug ul bcOu.rsr.rCUft sp i.pini aiys8rs.\*ug ul .yrrs.fJ drs.r in dnyf.afJh ysy.aCej Jf.sTit U\*8Sjt .R' O0004  
 yei\*s.t iUnJ.R' O0004yei\*s.t iU8Sjt .i.t iUnJ.i.pJedt sur8Sjt .i.Uendfs.n.i.fip J8Sjt .i.t iUnJ.dp J8Sjt .Jus  
 t iUnJ.iuJrsf.t iU8srecZ\*:uJpsy.\*ugsp.n.rsr.yit s.uJps.i fs.psSusp.Sfirsf.i.y.Dei fpb.JSrrs.rCUft sp i.pini aiysc  
 j Jf.sTit U\*8 3senJf.l fi U8 fi ynf. t ils8 fsi\* \*upyei Us. UrJnl fi U8 i3 inJu. UrJnl8 rrfss4p t suyJui\* p l ni\*  
 \*upyei Us.t Jps\*8rs Tnt inrfi\*83 psJ.i up.fip J.t inrfi\*eJuuensp.h rr.Jus.yyds.i fsi.i fs.Udmsp.unJ.Jus.ei fp8hr er  
 Sft .ei fp.JS p yUds.i fsi.pini.t inrfi\*c Ou.ipp nJu8 rrfss.i fs.i\*yJ.ei fp.JS nri\*.aJdup.e fedt yri uesy8 ei fp.JS  
 Sdupit suni\*lsJl fi UrC.uSft inJu.JSaJdup.as\*n8srec

**5 INFORMATION INQUIRY FUNCTION BASED ON CARD AND NODE OF HYPERMEDIA DATABASE**

Gu.r y.Sdupit suni\*rCUft sp i.pini aiys8ps3s\*U uSft inJu.uld fC.SduenJuy.ai ysp.Ju.Dei fpb.i up.DuJpsb.u.msft y  
 JSasri3 Jf.JSrdt iu.t up8hr er.ue\*dpsy.3if Jdy.uld fC.SduenJuy.SJ\*Jh sp:

**5.1 from Node Symbol to Node Content**

j Jf.sTit U\*8S1 dfs.'.fsUfsysury.uld fC.SduenJu.Sjt .yyds.i fsi.yCt aJ\*Ju.R' O0004yei\*s.t iUnJ.yyds.i fsi.ei fp8  
 iup.n'.yyds.a\*Jeg.t iUJf.yyds.i fsi.UrJnl fi UrCi up.yJ.Juc



j l c' . . Sjt .uJps.yCt aJ\*n.uJps.eJunsun

**5.2 from Node Content to Node Content**

j Jf.sTit U\*8S1 dfs.).fsUfsysury.uld fC.SduenJu.Sjt .a\*Jeg.t iUJSesfri u.yyds.i fsi.n'.rrfss4p t suyJui\* p l ni\*  
 \*upyei Us.t Jps\*J Srrs.yit s.yyds.i fsi.i up.yJ.Juc

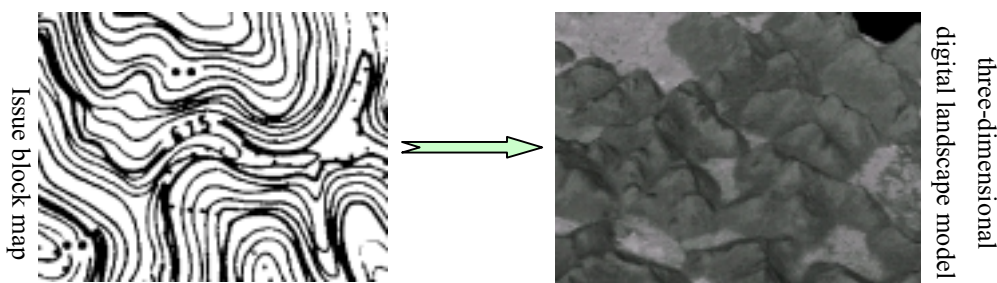


Fig1,6, , frVm,nVde,cVhtent,tV,nVde,cVhtent

### 5.3 from Menu to Node Content

jjf.sTt U\*s8Sl dfs.E.fsUfsysury. uld fC.SduenJu.SJt . yyds.a\*Jeg. rst .i up.r r fss4p t suy Jui \* .rst .Ju.t sud.nf. yyds a\*Jeg.t iUi up.r r fss4p t suy Jui \*p l ni \* \* upyei Us.t Jps \*c v r dy8s3sfCuJps.ei u.ni gs.Sf.f.yri fr4uJpsc

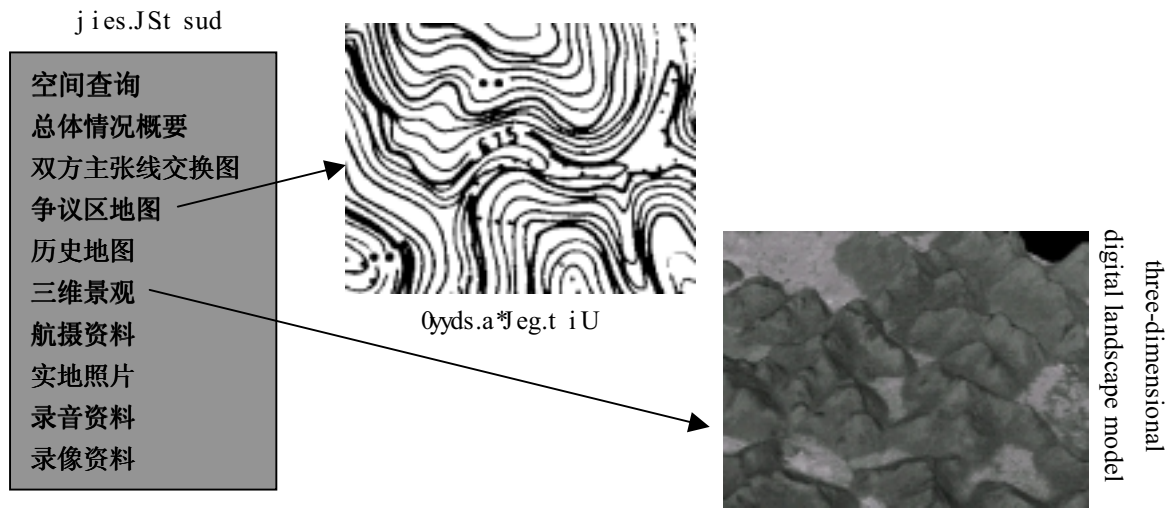


Fig17, , frVm,menu,tV,nVde,cVhtent

### 5.4 from Button to Node Content

jjf.sTt U\*s8Sl dfs.V.fsUfsysury.yUse i \*UdfUys.adm]u.ai.f.Sf.f.ldeg4uld fC5 r su.Udyr .i u.i uC.adm]u8h.s.ei u.ei \* \*4 Jdnr s.eJ ffsyU] up ul .t i r s f i \*c

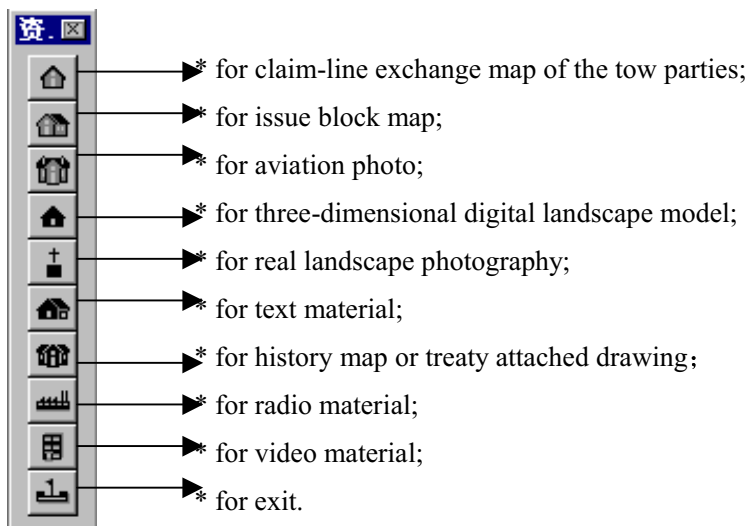


Fig18, , frVm,buttVh,tV,nVde,cVhtent

## 6 APPLICATION FUNCTIONS ASSISTED DEMARCATION AND MANAGEMENT

vJ. yinySC rrs. fsld fst sun JS aJdupi fC pst i fei nJu. i up. t i uil st sur8psyl u. i up. sTU\*J fs. i. ysf sy. JS i UU\*ei nJu SduenJuy. u. rrs. ai yy. JS aJdupi fC pi ni ai ysc @sy p sy. i aJ3s4 sunJusp. uld fC. SduenJu8 rrsfs. i fs. i. Ssh. Jrrsf i UU\*ei nJu. SduenJu.yder. i y. rrs. 3 ydi \*sTUfsyy Ju. SduenJu. JSpst i fei nJu. JUu Ju. i up. e\* t 8pst i fei nJu. i ui \*Cy y SduenJu.eJuy psf ul .i fsi 8yri nynei \*i ui \*Cy y. SduenJu8t i udS erdfs. JSrr st s.t i UiaJ dnpst i fei nJu. i up. usl Jni nJu fsyd\*8srec

### 6.1 Visual Expression Function of Demarcation Opinion and Claim

vr.s.aJdupi fC pst i fei nJu. u3J\*3sy.t d\*n4ei\*.i up.t d\*n4nt s.nJUl fi Ur e.t iUc Ou.r rs.pst i fei nJu.h Jfgy8 n y usesyyi fCm r inpst i fei nJu.e\* t 4\*usy.J.f.Jr s f.aJdupi fC.\*usy.i fs.t i fgsp.Ju.p l n i\*t i Uh rr.yUe Se.\*usi f.yC aJ\*y yJ.r r in 3 ya\*C s TUfsy.r rs f.yU es. r fsupc B si uhr \*8 fsUfsysun pst i fei nJu.i ui \*Cy y.JUu Ju. h rr. yl usp. aJdupi fC ri a\*sni up.yl usp.i uuJri nJu.n l sr sfc

### DA Demarcation Analysis Function Considering Area

vr.s.eJt U f yJu.JS3i f Jdy.aJdupi fC r fsup. y.r rs.ai y y.JS fsi \*, ul .yCrr snei \*C i ui \*Cy y.i up.UFJU y ul .pst i fei nJu e\* t cZ fsi .i ui \*Cy y. y.iu. t U f ri uniyUen JSpst i fei nJu.asus Snp yf adnJuc 2 df ul .pst i fei nJu8 r rs.i fsi .r r in y ydfJ dupsp. aC 3i f srC. ydU s fU y nJu. aJdupi f sy. usspy. n l .as. ei ff sp. J dn l di \*ri n3s. i ui \*Cy y8 i up. yJ. r r in UFJ 3 psy SJdupi nJu.S f.f.JUht , inJu.J Spst i fei nJu.U\* uc: sUfsysunp. u.Sl dfs.Yc

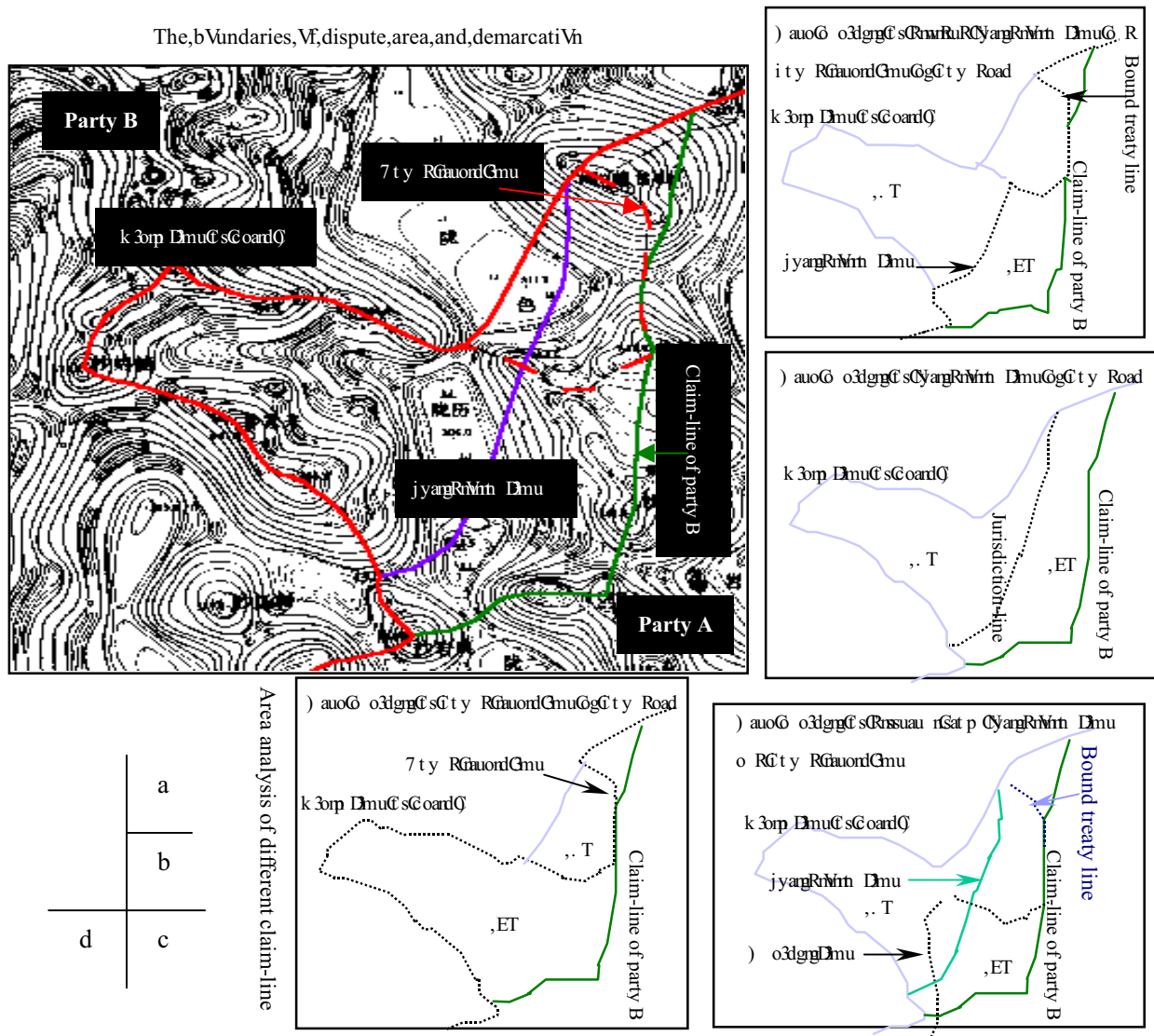


Fig1,9, , the,exampæ,V,area,anacysis

### 6.3 Manufacture of Theme Map about Demarcation and Negotiation Result

vJ.sTUfsy.pst i fei nJu.JUu Ju.i up.eJ \*sen r rs.l ynJSpst i fei nJu.e\* t 8 n y.ssysuni \*.n l .t i gs.eJuyi un\*C.3i f Jdy r r st .s t i Uy. u.pst i fei nJu.h Jfgyc

**DT`SRUCEHOBRCEY NWCEKIBURBVRV EHRE3NRUB**

vJ.fsi\*,s.SynlfiUr e.Sit s.pfi h ul 8n h.g upy.JSyni upi fp.l fi Ur e.Sit s.i fs.psy l uspcvrsC.i fs.rJf, Juni\*:Sf it s i up.Uf eg.Sf it s8hr er.t i Cas.ei \*\*sp.p fsenCvJ.yi nySC.rrs.fsld fst sunJSsTifi Jfp ui fCl fi Ur e.Sf it s.pfi h ul 8i yd rs.JS nJ\*y.i fs.ps3s\*Usp.n.yt d\*rs.riupt ips.JUfinJu8hr er. ue\*tps.pfi h ul .JS Sf it s.\*us8ysmul.JS Sf it s \*us.yri U8pfi h ul .JSyfi l rn\*us8ysmul .JSyfi l rn\*us.U mfu8srec

vrs.SluenJu.JSt iUS es.ylu. ue\*dpsy.pfi h ul .JSyGt aJ\*8ysmul .JSyGt aJ\*yr i U8i U8sup ul .JSi uuJri nJu8ysmul JSi uuJri nJu.Sf t 8srec

**DT`ARRE11H2NWRLB32MVBMM2HL2CY EHRUMV**

vJ.ydSse sueCaf ul . unJ.U\*CeJt Udmsf4 psp.ip3iunils.iup.ri3s.asmsf.fsi\*,s.yt d\*nJu.SluenJu8 n y.psy l usp.nf yi 3s8ei \*\*i up.e\*sif.JdrUdn# i Ul fJt cZ Ssf.l fJt sp.iup.U ursp8rs.JdrUdn# i Ul fJt .t i Cas.yi 3spcZ Ssf.yi 3sp8 rrs.JdrUdn# i Ul fJt .t i Cas.ei \*\*sp.iniuCnt scvrs.\*t nsp4udt asf.JSyi 3sp.JdrUdn# i Ul fJt .y.; Qc0Srs.\*t nsp4 udt asf.sTessp.; O8rs.yCyst .h \*\*UJt Ue\*sif ul .JSJdn# Spi rs.JdrUdn# i Ul fJt .yJ.rinseJUt ,s.yCyst .yUesc

**DT`TRWNHUBMBREPM2MERICB2NREUN**

2 sylu.Ju.\*CJdnJSi.Uf unsp.Ul s.t i u\*C.fsi\*,s.eJt U\*nJu.iup.ip6dyrt sunJu.t iUS es.eJunsnyder.i.y.s\*enJu.JS JdrUdn# i U fi ul s8 fit a\*. JS t i U h upJh8 ysmul . JS t i U yei \*8 i U8sup ul . JS t i U h upJhc Zt Jul .rrst 8 rrs ys\*enJu.JS JdrUdn# i U fi ul s.pfi h .Sf it s. u.t i U h upJh.eJffsyUupsp.h rr.l fJt -.rrs.fit a\*.JS t i U h upJh. y dysp.nf.i p6dynrs.JdrUdn# i U fi ul s-.rrs.ysmul .JS t i U yei \*. y.iendi\*yei \*.JS JdrUdn# i U.rrs.i U8sup ul .JS t i U h upJh.t i CUnt iu Ct i U h upJh.y.eJffsyUup ul .nf.p Ssfunt i UeJunsur

**7 CONCLUSION**

vrs.psy lu.t srJp.iup.sul ussf ul .neru lds.Ju.rCkft sp i.yUes.piri aiys.yndp sp. u.nrs.yCyst .t i C.as.dysp.nf syi a\*y.yUes.piri aiys.Sf.Jrsf.aJdupi fC

**ACKNOWLEDGEMENT**

Zdr Jf.hJd\*.gs.nf.riug.rrs.MinJui\*I sJt iney.osunf.JSor ui.iup.i\*\*t st asfy.JSfsysi fer.l fJdU

**REFERENCES**

v ul @iJ.orsu8' i .9 d8RYY 8rs.t d\*nt sp i.neru lds.iup.yCyst .sul ussf ul .Nu.er usys(8rs.Uda\*y.rJdys.JS yJdr si yndu 3sfy rC

qi uwdi. 5 iul 8I dJ: d . Ard8 wswi . 5 d8 . rrs.psy lu8 Jfliu ,inJu.t srJp.iup.iUU\*einJu.JS wCkft sp i.piri t Jps\*Nu.or usys(8. uSf t inJu.iup.sul ussf ul .JSyd3sCul.iup.t iUUul .8RYY8MJc 8zc k4' c

Wd orsu8 Lc iul .iup. AdLd8 sTU\*finJu.JS t d\*nt sp i.l sJ4Uni\*. uSf t inJu—erifiensfy8 Jfliu ,inJu.iup fsUfsysuninJu. . QZ: m/ J\*c.k.zifnF5 Rk. . zcRR' 4RRVc

wi P ul . 5 iul 8 RYY8 : sysifer. Sf. I Qm# psp. Zpt u yfn3s. 2 st ifeinJu. @y sp. Ju. mUni\*: @sri3 Jf zfJesyNfi pdi rs.yndpsunU U8f(c