

TSHETSHI TAKUAIMATAKANITI ASHIT NAUSHUNAKANITI NE KA KANUENITAKANITI ASSIA, TAKUAN TSHETSHI TSHITAPATAKANITI:

- ▶ tshe tutakaniti neni eshpishati assia eshi-inniuimakaki anite tshekuan tshe uitshiueti tshetshi tapitiki neni ka kanuenitakaniti assia mak tshe uitshiakaniht anitshenat aueshishat tshe pamuteht
- ▶ ka ishi-tshissenitakaniti shashish ut ne uauitakaniti eshi-inniuimakak tshekuan
- ▶ eshi-minu-tshissenitakaniti eshinakuaki neni ka kanuenitakaniti assia mak tshe nashatakaniti anite aishkat
- ▶ tutakanu ne tshipa ishinakuan : nikan uitakanu tshe ishi-tshishikat mak tutakanua atusseuna tshipa itenitakuana mishkutshipaniti eshi-tshishikat
- ▶ Mishitakanu neme eshkuapanit assi eshpishat nete tshiuetininit neni assia shash tekuaki mak tutakanua kutaka ka kanuenitakaniti assia tshiuetininit nuash akuanutininit tshetshi nashatakaniti neme tshe ishi-mishkutshipaniti eshi-tshishikat aishkat nete assia uauitakaniti.

ESHI-MISHKUTSHIPANITI ESHI-TSHISHIKAT, TSHEKUANNU TSHE TUTAHK AUESHISHAT MAK NENI KA NITAUTSHIKI

- ▶ Ait tshika ituteuat nete etatu e takanit (nete tshiuetininit kie mak nete etatu ishpimit)
- ▶ Tshika mishkutshipanu eshi-taht aueshishat mak eshi-takuaki ka nitautshiki uapikuna mak tshika amatshuepannu tshe itashiht aueshishat kie tshe itatiki ka nitautshiki uapikuna eka esh pish katshitaukuht e takanit kie mak e tshishitenit.
- ▶ Tshipa tshi mishkutshipannu eshi-mitshishuht (mishkutshipannu eshi-mitshishuht anitshenat aueshishat)
- ▶ Tshika papanua akushuna aueshishat ka pimutataht uetshipaniti nete akuanutininit



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ETAPATAKI NENI MESHKANAU KA ITENITAKUAKI

Neni meshkanaua ka itenitakuaki, eshpishat an assit kie mak nipit anite tshe pimuteht aueshishat kie ma ka nitautshiki tshetshi ituteht kie mak ishpaniht ait assit. E tutakaniti neni meshkanaua tiapitiki ashit ka nakatuenitakaniti assia, tshuitshikunan tshetshi tshishpeuatakaniti eshi-takuak assit. Miam ashukana etenitakuaki uiauitakaniti anite tshe ashupanit ne eshi-inniuimakak assit.



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Photo credits: MDDEP (1), Alain Cuenrier (2)

MASHTEN AIMUN

Atusseuakana miam ueshkat ka ishi-tshissenitakaniti, ka nanatuapatitshenanut, ussi-atusseuakana, e tutakaniti tshe ishi-tshishikat aishkat kie neni eshi-takuaimatakaniti tshishe-utshimat, miam ne e tutakaniti ka kanuenitakaniti assia, takuan tshetshi etatu atusseuatshenanuti. Uitshiuuea neni tshetshi eka ishpish katshitaukuht nenu mashkutshipannit eshi-tshishikaniti nete eshi-takuak assit tshiuetininit assit mak anitshenat innuat ka taht tiapishiniht nete assit. Takuan tshetshi uitshiuenanut ashit tshetshi nashatakaniti eshi-mishkutshipaniti eshi-tshishikat nete tshiuetininit Uepishtikueiau-assit.

NASHKUMUEUNA

Ne uet tshi tutakaniti ume atusseun, usham mamu atussepanat anitshenat atusseutshuapa ka atusseshtakaniti eshi-inniuimakaki ute Uepishtikueiau-assit, mamuitun eshnikatet **Ouranos**, Tshishe-utshimau ka atusseshtak ka mishituepanitakannit tshe ishinakuannit aishkat, eshinakuannit assinu mak ka kanuenitakaniti assia. Nenu ka uitshiaushuht ekue ashu-uitshiaushipan anite shuniat anitshenat ka taht anite mashinaikanitshuapit **Fonds Vert** (e nashatakaniti takuaikan 26 neme atusseun tshe aitananut uiauitakaniti e mishkutshipaniti eshi-tshishikat 2006-2012 uetshipaniti uepishtikueiau-tshishe-utshimat.) mak anite atusseutshuapit ka nanatuapatitshenanut Uepishtikueiau-assit **Fonds de recherche du Québec**. Nenu e mamushtaht eshi-uapatahk ekue tshi tshishtakanipan ne mashinaikan eshnikatet **Eshi-katshitaikaniti kassinu ka inniuimakak tshekuan neme e mishkutshipaniti eshi-tshishikat ute Uepishtikueiau-assit**. Ume apishish e uauitakaniti uitakanu anite anu uet apataki tshekuan anite mashinaikaniti. Neuna neni e tatipanashtakaniti uiauinakanit anite innuat etahit nete tshiuetininit, uauitakanu eshi-takuak assit, ka nakatuenitakaniti assia mak umeshkanaua aueshishat kie ka nitautshiki. Takuana mashinaikana etatu menu-uauitakaniti anite atusseu-katshitapatakaniti : <http://qcb.ca/fr/recherche/contrats-de-recherche/adaptation-aux-cc/>.

TSHE ISHI-KATSHITAUKUHT AUENITSHENAT KA UITSHIHT TSHIUETINIT UEPISHTIKUEIAU-ASSIT NENU ESHI-TSHISHIKANITI : ANITE UTSHIPANU MASHINAIKANITI NE ESHI-TSHISSENITAKUAK



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Photo credits: Victoria Bauman (1,2,4), Ashleigh Downing (3), Michel Rapinski (5), MDDEP (6)

Ne eshi-takuak assit nete tshiuetininit mishkutshipanu kie eshku tshika mishkutshipanu aishkat neme ut eshi-mishkutshipaniti anite eshi-tshishikat. Kie anitshenat innuat ka taht nete tshiuetininit assia, nenu etenimitishuht mak eshinnuht mishta-tapishinuait anite assit, tshika mishta-katshitaukuait nenu eshpannit. Anitshenat ka nanatuapatitshenat ka mishta-nishtuapatahk kie ne ka ishi-natu-tshissenitakaniti anite ka tutahk anitshenat ka uitshihit nete tshiuetininit, uitamuait nenu shash meshta-mishkutshipannit anite eshi-takuannit Uepishtikueiau-assit.

TAN TSHE ISHI-KATSHITAIPANIT ESHI-TAKUAK ASSIT NETE TSHIQUETINIT NE ESHI-MISHKUTSHIPANIT ESHI-TSHISHIKAT?

ATSHUPANU ESHPISTIT KUN

- ▶ Atshupanu eshpish tshishitet ne ut e shakashtuet tshishikau-pishimu
- ▶ Apu ishpish tshika tshishunikanit ne assi mak ka nitaushiki uapikuna usham apu ishpishtit kun nemenu pepuniti
- ▶ Etatu kushtikuan tshetshi apatet ne assi nanitam ka mashkutik
- ▶ Tshika mishkutshipanu eshi-tshishitet mak eshpishat nipi

APATEU NANITAM KA MASHKUTIK ASSI

- ▶ Tshika unuipateu ne méthane ka ishinikatet, tutatsheu ne tshetshi etatu tshishitet ute assit
- ▶ Tshika ishpanua neni uetshipaniti anite ut ka innuimakaki tshekuana anite nipit
- ▶ Tshika ishpanua assit passe tshekuana kueshtikuaki eka menuati nete uetshipaniti assit nanitam ka mashkutik
- ▶ Tshika pikupanua mak tshika meshtipanua assia

APASHUAT MISHKUMIAT

- ▶ Tshika pakuain mak uipat tshika apashuat mishkumiat anite shakaikana mak mishta-uinipekua (mishta-mishkumiat)
- ▶ Minekashish apu tshika ut mashkutiki shakaikana mak mishta-uinipekua
- ▶ Etatu tshika timu uinipeku
- ▶ Tshika atshupanu eshpish tshishpatshishit mishkumi nemeni pishimua anu uet tshishik pepuniti

TSHE MISHTA-AISHPANIT ANITE ESHI-TSHISHIKAT (MESHTA-TSHISHITETI KIE MAK MESHTA-TSHISHIKI)

TSHIKA MISHITUEPANU MINASHKUAKU NETE TSHIQUETINIT

ETATU UIPAT TSHIKA NITAUTSHINA KA NITAUTSHIKI

TSHIKA KUSHTIKUAN TSHETSHI MATSHI-TUTAKANIT NE ESHI-INNIUMAKAK ASSIT

miam tshipa tshi metshi-nipuat anitshenat aueshishat mak ka nitaushiki assit, tshipa tshi tauat aueshishat kie ma tshipa tshi takuana ka nitaushiki uetshipaniti akuanutinit kie tshipa tshi ishinakuana tshetshi matshi-tutatsheti kie ma pimutakaniti akushuna.

TAN TSHE ISHI-KATSHITAUQUHT NENU ANITSHENAT AUENITSHENAT KA TAHT TSHIQUETINIT UEPISHTIKUEIAU-ASSIT?

KA NATAUNANUT, KA KUSSENANUT MAK ESHI-MINUAT MITSHIM

- ▶ Tshika mishkutshipanu umeshkanamuaa anitshenat aueshishat ka nataunanut (miam mate atiku)
- ▶ Apu ishpish tshika minushiniti ushakauu aueshishat mak tshika amatshuepanu etashiht aueshishat ka akushiht
- ▶ Tshika mishkutshipanu etashiht aueshishat (miam mate etatu tshika mitshetuat anitshenat eshinikashiht mishta-napeu-uishautikuat, tshika atshupanu etashiht nishkat mak atikuat)
- ▶ Etatu minekash tshika tshi nataunanuat anitshenat aueshishat nipit ka innuht mak etatu minekash tshika tshi kussenanu
- ▶ Tshika atshupanu eshpish minekash nataunanut mak kussenanut anite mishkumit mak mishta-mishkumit
- ▶ Tshika mishkutshipanu neme eshi-nitaushiki mina (eshi-mishkutshipaniti pipun, etatiki mak eshinakuaki)
- ▶ Apu ishpish tshika tshissenitakuak ne nakana ka ishi-aitutakaniti mak ka ishi-kanuenitakaniti neni mitshima ka kanuenitakaniti assit nanitam ka mashkutik kie mak ka pashakaniti ashit pishimu

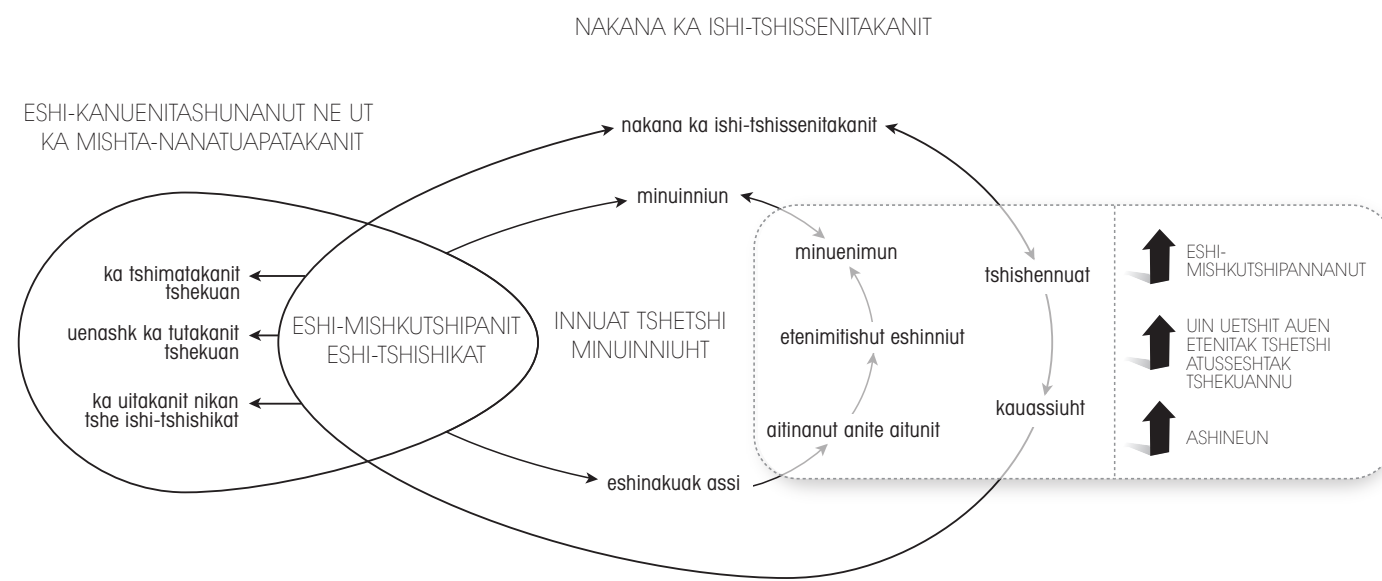
MINUINNIUN

- ▶ Etatu tshika animan tshetshi shaputuepannanut e nataunanut tshetshi mitshishunanut
- ▶ Apu ishpish tshika aiatshinanut
- ▶ Etatu tshika utinakanu mitshim eka eshpish uinapatishkatshet anite e aiakaniti atautshuapit
- ▶ Tshika katshitaukuat anite etenimitishuht anitshenat etahit tshiuqetinit, anu tshika katshitaukuat anitshenat innuat
- ▶ Tshika amatshuepanu eshpish ushikushinnanut mishkumit kie mak assit (miam mate e apatet ne assi nanitam ka mashkutik, e patshitit assi, e mishta-mishkutshipaniti eshi-tshishikat)
- ▶ Tshika amatshuepanu eshpish akushinanut ut e tshishitet mak e ashushkamatsheht aueshishat akushunnu (miam mate shatshimeuat)

E SHUNIATSHENANUT MAK KA TSHIMATAKANIT TSHEKUAN

- ▶ Tshika mishau tshekuan tshe ui tutakanit tshetshi mishituepanitakanit ne e shuniatshenanut anite tshiuqetinit e tananut etatu e tshishitet
- ▶ Tshika pikupanua ka tshimatakaniti tshekuana usham e apatet ne assi nanitam ka mashkutik mak usham eishi-matshipaniti assi.
- ▶ Tshika takuan tshetshi ait aitananut tshetshi minakanit eshi-ashuapatahk anitshenat ka taht anite kueshtikuannit tshetshi apatenit nenu assinu nanitam ka mashkutinnit

TSHIKA TAKUANNU TSHETSHI NASHATAHK ANITSHENAT INNUAT NENU ESHI-MISHKUTSHIPANNIT ESHI-TSHISHIKANIT



Unashinataikan 1 uapatiniuenanu tan tshipa tshi ishi-atshunakanu eshpish katshitauakaniht anite uminuenimunuat anitshenat innuat etahit innu-assit nenu e uaitakannit e mishkutshipannit eshi-tshishikanit e apashtakanit utshissenitamunuau innuat mak eshi-tshissenitakanit ut kananatuapatitshenanut (Downing et Cuerrier, 2011)



Photo credits: Benoît Tremblay (1), Sarah Desrosiers(2,3), José Gérin-Lajoie (4)

NENI KA KANUENITAKANITI ASSIA, ATUSSEUAKAN TSHETSHI ATSHUNAKANIT ESHPISTIT KATSHITAIPANIT ESHPANIT UT E MISHKUTSHIPANIT ESHI-TSHISHIKAT

Neni ka kanuenitakaniti assia anite Uepishtikueiat, 8,14% ishpish apashtauat nenu eshpishaniti assinu. Uitshiuqetinit tshetshi eka ishpish katshitaikanit ne eshpish mishkutshipaniti eshi-tshishikat. Tshetshi mishta-minu-uitshiuqetinit, neni ka kanuenitakaniti assia takuan tshetshishishishikanit, tshetshi nashatumakaki eshpannit mak tshetshishishituepanit. Eukuan neni tshe uitshiuqetinit tshetshi ashtanite matenitakuannit nenu e mishkutshipannit eshi-tshishikanit. Eukuan anite tshe kanuenitakaniti eshi-innuimakak assit, miam eka tshe takuaki ka nitaushiki anite peikuait, tekuaniti ka nitaushiki ka tshinipi-nitaushiki kie ma uessi-tekuaniti ka nitaushiki. Neme e tshishpeuatakaniti eshinakuaki assia muku anite tekuaiki, kueshtikuaki tshetshi pikunikaniti, uatamatshemakak, kie ma meshta-ishpitenitakuaki. Itapatana kie tshetshishishishikanit neni, eukuan neni etutatsheti tshetshishishishikanit e mishkutshipannit nenu eshi-tshishikanit.