# êkosi ê-nêhiyawi-pîkiskwêcik maskwacîsihk Towards a Spoken Dictionary of Maskwacîs Cree speech-db.altlab.app

Antti Arppe<sup>1</sup>, Jolene Poulin<sup>1</sup>, Atticus Harrigan<sup>1</sup>, Katherine Schmirler<sup>1</sup>, Daniel Dacanay<sup>1</sup>, Rose Makinaw<sup>2</sup> <sup>1</sup>Alberta Language Technology Lab (ALTLab) <sup>2</sup>Maskwacîs Education Schools Commission (MESC)

## What is it?

A way of storing and sorting the results of the language documentation process

Primarily an online resource for spoken Indigenous languages

Also used to validate the spelling and pronunciation of entries in these languages

Currently has many instantiations

Most often used: Maskwacîs, mōswacīhk, and Tsuut'ina

Requires a login

Linguist, Expert, or General User levels of access

## Maskwacîs

Recordings dating back to 2014

From 36 speakers

Over 20,000 entries with even more recordings

Currently being validated with Rose Makinaw (MESC) and Daniel Dacanay (UofA)

## mōswacīhk

Recordings from this year

One primary speaker

Over 1,500 entries + more recordings

Currently being added to and validated by Jean Okimāsis and Arok Wolvengrey

## Tsuut'ina

Recordings from 2015 and 2019

One primary speaker

Just under 10 000 entries with at least as many recordings

More entries are on their way

#### Please select a language from the following choices:

#### Plains Cree:

#### Maskwacîs

Plains Cree spoken in the Maskwacîs community

#### mōswacīhk

White Bear First Nations, Saskatchewan

#### Tsuut'ina:

Tsuut'ina Spoken by Tsuut'ina Nation, Treaty 7

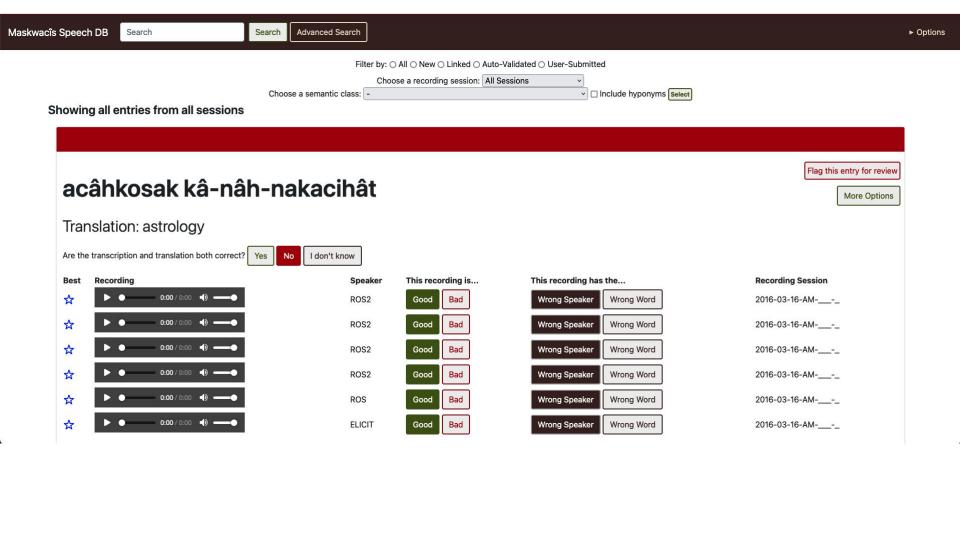
#### Nakoda:

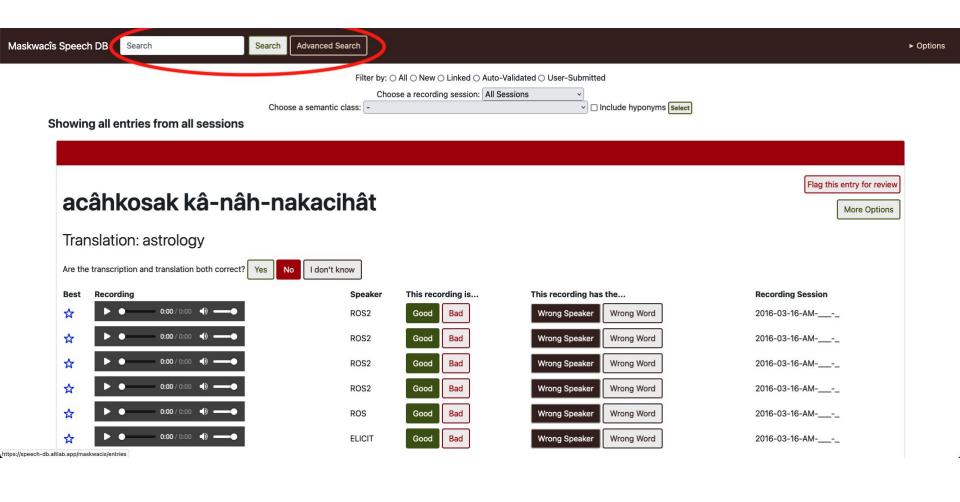
Stoney Nakoda

Alexis Nakota Sioux First Nation

#### Stoney

Paul First Nation





yawêwin phrase:	
yawêwin phrase: arch	
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ma: arch	

#### 🗆 Exact match

Status: 
 All 
 New 
 Linked 
 Auto-validated 
 User-submitted

Recording quality: 

All O Good O Bad

Type: ● All ○ Word ○ Sentence

Semantic class:	-	~
Speaker: 🗆 All		
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Maskwacîs Speech DB Search Search Advanced Search				► Options
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acâhkosak kâ-nâh-nakacihâ	2.6.1.3_Unmarried 2.6.1.4_Divorce 2.6.4.3_Youth 2.6.4.4_Adult 2.6.4.5_Old_person 3.2 Think 3.2.1.4_Stupid 3.2.1.5_Logical		Flag this entry for review More Options	
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cîs Speech DB	Search	Search Advanced Search	]				► Options
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	-wâpistikwá					Flag this entry for revie More Options	
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Are the transcr	iption and translation both correc	t? Yes No I don't know					
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Recordings							

### Translation: s/he is getting grey hair

est	Recording	Speaker
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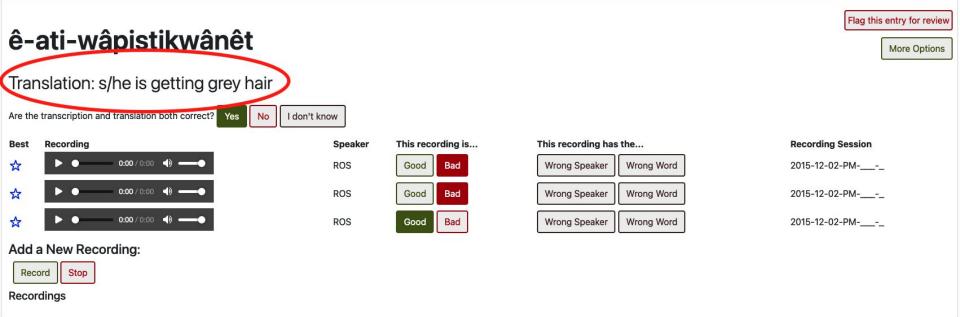


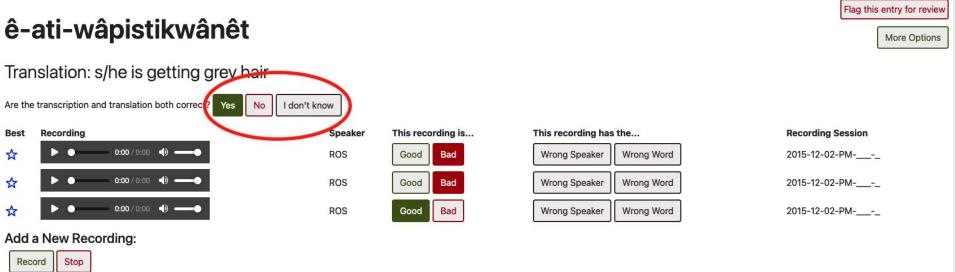
<b>Recording Session</b>
2015-12-02-PM
2015-12-02-PM
2015-12-02-PM



Flag this entry for review

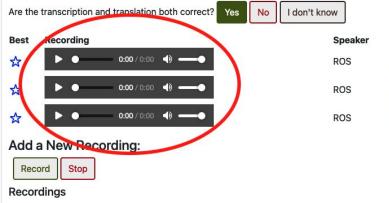
ê-	ati-wâpistikwânêt				Flag this entry for review More Options
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Are the	e transcription and translation both correct? Yes No I don't k	now			
Best	Recording	Speaker	This recording is	This recording has the	Recording Session
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☆	▶ ● 0:00 / 0:00 ◀)●	ROS	Good Bad	Wrong Speaker Wrong Word	2015-12-02-PM
Add	a New Recording:				
Rec	ord Stop				
Recor	rdings				





Recordings

### Translation: s/he is getting grey hair



r	I his reco	ording is
	Good	Bad
	Good	Bad
	Good	Bad





Flag this entry for review

### Translation: s/he is getting grey hair

Are the transc	ription and translation	both correct?	Yes	No	I don't know
Best Reco	rding				Speaker
* >	0:00 / 0:00	● —●			ROS
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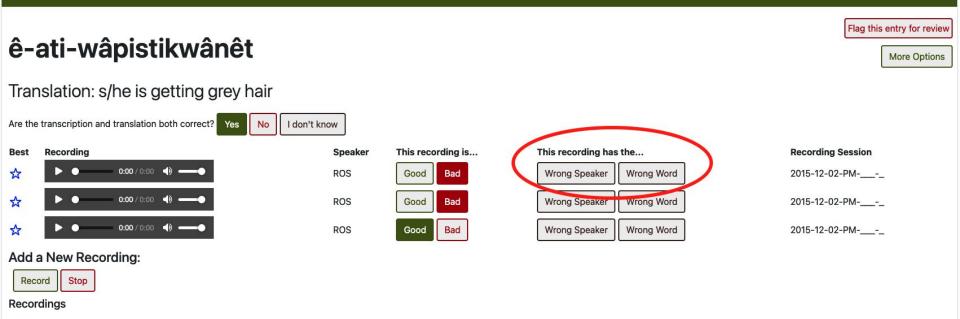
<b>Recording Session</b>
2015-12-02-PM
2015-12-02-PM
2015-12-02-PM



Flag this entry for review

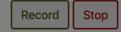
#### Flag this entry for review ê-ati-wâpistikwânêt More Options Translation: s/he is getting grey hair Are the transcription and translation both correct? Yes No I don't know Recording Speaker This recording is... This recording has the... **Recording Session** Best 0:00 / 0:00 ☆ ROS Good Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-0:00 / 0:00 ☆ 0 ROS Good Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-0:00 / 0:00 0 Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-☆ ROS Good Add a New Recording: Record Stop Recordings

#### Flag this entry for review ê-ati-wâpistikwânêt More Options Translation: s/he is getting grey hair Are the transcription and translation both correct? Yes No I don't know Recording Speaker This recording is... This recording has the... **Recording Session** Best 0:00 / 0:00 ☆ ROS Good Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-0:00 / 0:00 ☆ 0 ROS Good Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-0:00 / 0:00 0 Bad Wrong Speaker Wrong Word 2015-12-02-PM-\_\_\_-☆ ROS Good Add a New Recording: Record Stop Recordings





### Add a New Recording:



Recordings

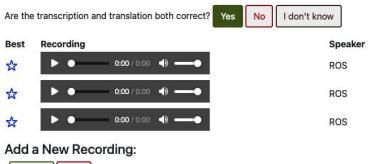
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Record

Recordings

Stop

### Translation: s/he is getting grey hair



Good Bac
Good Bac





Flag this entry for review



### Translation: s/he is getting grey hair

Are the	transcription and translation both correct? Yes	No I don't know
Best	Recording	Sp
☆	► ● 0:00 / 0:00 ◀) — ●	RC
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Rec	ord Stop	
Recor	rdings	

Speaker	This reco	ording is
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ROS	Good	Bad



<b>Recording Session</b>
2015-12-02-PM
2015-12-02-PM
2015-12-02-PM

Flag this entry for review

### Translation: s/he is getting grey hair

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Bad
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Flag this entry for review



# ê-ati-wâ

### Translation: s

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#### Add a New Reco

Record Stop

Recordings

	What's wrong with this entry?	
	Maskwacîs suggestion:	Flag this entry for review
<b>ipisti</b> l		More Options
/he is ge	Use the space above to suggest a better spelling for the transcription	
d translation bo	English suggestion:	
		Recording Session
<b>0:00</b> / 0:00 📣	Use the space above to suggest a better English word or phrase	2015-12-02-PM
0:00 / 0:00 📣	Comment:	2015-12-02-PM
0:00 / 0:00 🌗		2015-12-02-PM
rding:	Use the space above to provide an example or make a few notes about why you're reporting an issue with this entry	
	Cancel	

Back

This entry was last edited by dacanay on 2022-04-29

Transcription	Translation	Analysis	Comments	Recordings	Speaker
ê-ati-wâpistikwânêt	s/he is getting grey hair	PV/ê+PV/ati+wâpistikwânêw+V+Al+Cnj+3Sg		•       •	ROS ROS ROS
Edit Segment					
Entry:					
ê-ati-wâpistikwânêt					
Translation:					
s/he is getting grey hair					
Analysis:					
PV/ê+PV/ati+wâpistikwânêw+	V+AI+Cnj+3Sg				
Comment:					
Suggestion	MED	Translation An	alysis	Source Options	

Transcription	Translation	Analysis	Comments	Recordings	S
ê-ati-wâpistikwânêt	s/he is getting grey hair	PV/ê+PV/ati+wâpistikwânêw+V+Al+Cnj+3Sg		▶       ●       0:00 / 0:00       ◀)       ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●	R
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ê-ati-wâpistikwânêt					
Translation:					
s/he is getting grey hair					
Analysis:					
PV/ê+PV/ati+wâpistikwânê	w+V+AI+Cnj+3Sg				

Suggestion	MED	Translation	Analysis	Source	Options

Options

Options

Back

This entry was last edited by dacanay on 2022-04-29

Transcription	Translation	Analysis	Comments	Recordings	Speaker
ê-ati-wâpistikwânêt	s/he is getting grey hair	PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg		•       •	ROS ROS ROS
Edit Segment					
Entry:					
ê-ati-wâpistikwânêt					
Translation:					
s/he is getting grey hair					
Analysis:					
PV/ê+PV/ati+wâpistikwânêw+	V+AI+Cnj+3Sg				
Comment:					
Save					
Suggestion	MED	Translation #	nalysis	Source Options	

#### Comment:

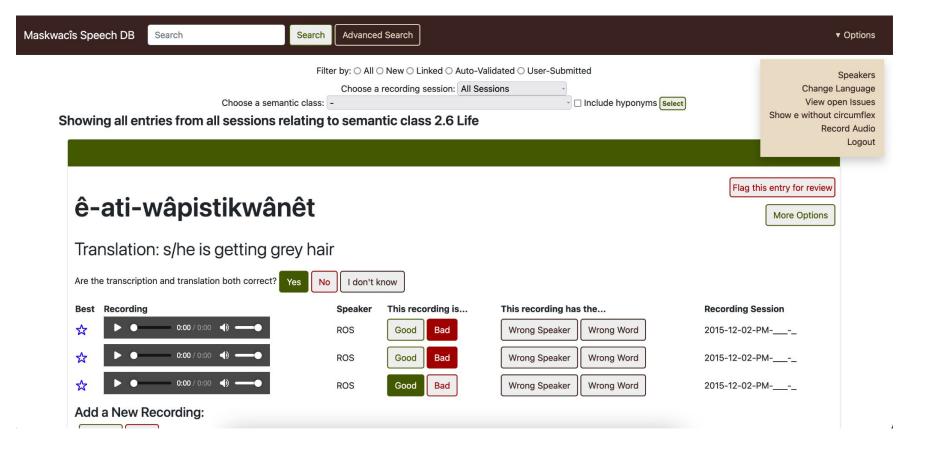
#### Save Suggestion MED Analysis Options Translation Source **Revision History:** Transcription Translation Analysis Options User Date 2021-12-03 dacanay ê-ati-wâpistikwânêt s/he is getting grey hair PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg Revert dacanay 2021-12-03 ê-ati-wâpistikwânêt s/he is getting grey hair PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg Revert 2021-12-02 ê-ati-wâpistikwânêt s/he is getting grey hair (?) PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg rose Revert dacanay 2021-08-18 ê-ati-wâpistikwânêt s/he is getting grey hair (?) PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg Revert PV/ê+PV/ati+wâpistikwânêw+V+AI+Cnj+3Sg dacanay 2021-08-18 ê-ati-wâpistikwânêt s/he is getting grey hair (?) Revert AUTO 2021-02-22 ehatiwapistkwanet Have gray hair Revert AUTO 2021-02-22 ehatiwapistkwanet Have gray hair Revert AUTO 2021-02-22 ehatiwapistkwanet Have gray hair Revert

Suggestion	MED	Translation	Analysis	Source	Options
nipâw 0	Multiple Translations	Multiple Analyses			
		s/he sleeps, s/he is asleep	nipâw+V+Al+Ind+3Sg+Err/Frag	CW	Accept
		He sleeps.	nipâw+V+Al+Ind+3Sg+Err/Frag	MD	Accept
nîpawi 1	Multiple Translations	Multiple Analyses			
		s/he stands, s/he stands upright, s/he stands erect, s/he stands there, s/he stands fast	nîpawiw+V+Al+Imp+Imm+2Sg+Err/Frag	CW	Accept
		He stand.	nîpawiw+V+Al+Imp+Imm+2Sg+Err/Frag	MD	Accept
wîpâw 2	2	Multiple Translations	Multiple Analyses		
		it is unclean, it is soiled	wiyipâw+V+II+Ind+3Sg+Err/Frag	CW	Accept
		It is soiled.	wiyipâw+V+II+Ind+3Sg+Err/Frag	MD	Accept
	it is hollow	wiyipâw+V+II+Ind+3Sg+Err/Frag	CW	Accept	
		it is soiled, it is dirty	wiyipâw+V+II+Ind+3Sg+Err/Frag	CW	Accept
nihpan 2	2	Multiple Translations	Multiple Analyses		
		my lung	nipâw+V+AI+Ind+2Sg+Err/Frag	CW	Accept
	lung	nipâw+V+AI+Ind+2Sg+Err/Frag	CW	Accept	

#### Comment:

#### Save

Suggestion		MED	Translation	Analysis	Source	Options
Revision Hi	Revision History:					
User	Date	Transcription	Translation	Analysis		Options
dacanay	2021-12-03	ê-ati-wâpistikwânêt	s/he is getting grey hair	PV/ê+PV/ati+v	vâpistikwânêw+V+Al+Cnj+3Sg	Revert
dacanay	2021-12-03	ê-ati-wâpistikwânêt	s/he is getting grey hair	PV/ê+PV/ati+v	vâpistikwânêw+V+Al+Cnj+3Sg	Revert
rose	2021-12-02	ê-ati-wâpistikwânêt	s/he is getting grey hair (?)	PV/ê+PV/ati+v	vâpistikwânêw+V+Al+Cnj+3Sg	Revert
dacanay	2021-08-18	ê-ati-wâpistikwânêt	s/he is getting grey hair (?)	PV/ê+PV/ati+v	vâpistikwânêw+V+Al+Cnj+3Sg	Revert
dacanay	2021-08-18	ê-ati-wâpistikwânêt	s/he is getting grey hair (?)	PV/ê+PV/ati+v	vâpistikwânêw+V+Al+Cnj+3Sg	Revert
AUTO	2021-02-22	ehatiwapistkwanet	Have gray hair			Revert
AUTO	2021-02-22	ehatiwapistkwanet	Have gray hair			Revert
AUTO	2021-02-22	ehatiwapistkwanet	Have gray hair			Revert



#### Maskwacîs Speech DB Search

Search Advanced Search

### nêhiyawêwin Speakers in Maskwacîs







Use this page to record or re-record entries in Maskwacîs. Start by entering the transcription (in Maskwacîs) and the translation (in English) for the word or sentence you are going to record. Try to spell the Maskwacîs word(s) as correctly as possible, as these recordings will be added to an existing entry if one exists.

Advanced Search

Next, click the "Record" button. It will likely ask you permission to use your microphone, please click "Allow". You are now recording, as indicated by the word "Recording..." on the button. When you are finished, press "Stop". Listen to your recording. The final 0.1 seconds will be trimmed from your recording, so you can ignore any mouse click sounds there. If your recording goes to the very end of the track, please re-record yourself with a second of pause at the end. Otherwise, if you're happy with how it sounds, click "Save" next to that recording. Please record yourself saying this word or phrase up to 3 times, clicking save next to each good recording and ignoring any that you are unhappy with. To record a new word or phrase, click the "Record a new Entry" button.

Please note that pressing the "Record a new Entry" button or reloading the page will cause all your current unsaved recordings to disappear, so make sure you're done with them and have saved all the good ones before doing either of those actions.

#### nêhiyawêwin:

	<i>I</i> .
English:	
Record Stop Recordings	
Recordinas	

Search

### Instructions

Search

Options

Use this page to record or re-record entries in Maskwacîs. Start by entering the transcription (in Maskwacîs) and the translation (in English) for the word or sentence you are going to record. Try to spell the Maskwacîs word(s) as correctly as possible, as these recordings will be added to an existing entry if one exists.

Next, click the "Record" button. It will likely ask you permission to use your microphone, please click "Allow". You are now recording, as indicated by the word "Recording..." on the button. When you are finished, press "Stop". Listen to your recording. The final 0.1 seconds will be trimmed from your recording, so you can ignore any mouse click sounds there. If your recording goes to the very end of the track, please re-record yourself with a second of pause at the end. Otherwise, if you're happy with how it sounds, click "Save" next to that recording. Please record yourself saying this word or phrase up to 3 times, clicking save next to each good recording and ignoring any that you are unhappy with. To record a new word or phrase, click the "Record a new Entry" button.

Please note that pressing the "Record a new Entry" button or reloading the page will cause all your current unsaved recordings to disappear, so make sure you're done with them and have saved all the good ones before doing either of those actions.

nêhiyawêwin:	
demonstration	11.
English:	
test text	11.
Record Stop	
Recordings	
1. ► • • • • • • • • • • • • • • • • • •	

#### Speech DB

### Please select a language from the following choices: Plains Cree: Maskwacîs Plains Cree spoken in the Maskwacîs community mōswacīhk White Bear First Nations, Saskatchewan Tsuut'ina Spoken by Tsuut'ina Nation, Treaty 7

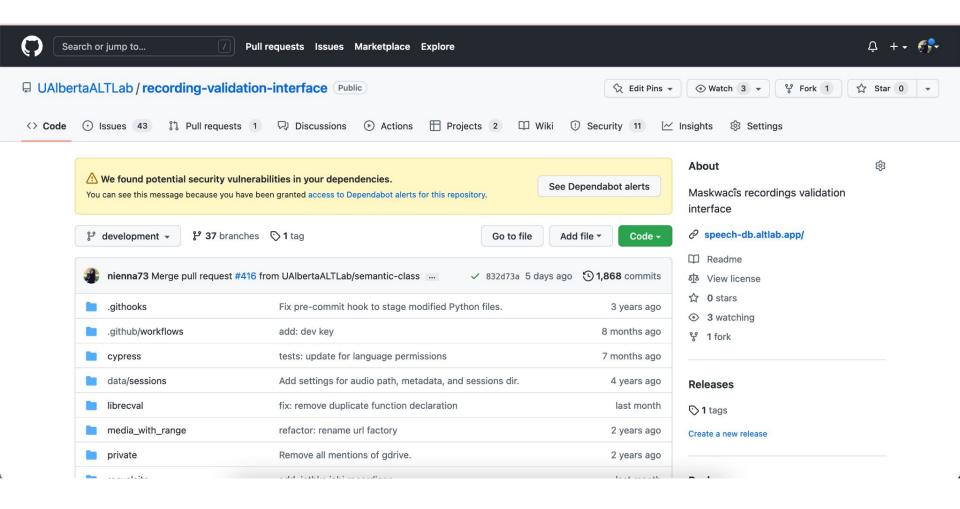
Nakoda:

Stoney Nakoda

Alexis Nakota Sioux First Nation

Stoney

Paul First Nation



## ALTLab provides ...

The code

The recording extraction process

All the information you see here

## You provide...

The audio

The transcriptions and translations

The semantic classes

The name of the database

Any other information you want to see in the Speech-DB

# Questions