



Università
degli Studi
di Ferrara

Lettere Arti e Archeologia

ANTROPOLOGIA

-

Amondawa

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Gli Amondawa sono un gruppo etnico stanziato nell'Amazzonia brasiliana, in particolare negli stati della Rondônia e di Acre.

Praticano l'animismo, ovvero una religione in cui l'idea di anima viene attribuita ad oggetti inorganici ed inanimati. La popolazione è rappresentata da circa 107 individui e parlano la loro lingua omonima, legata ai gruppi etnici di appartenenza.



<http://www.felicitapubblica.it/2018/10/26/brasile-in-rondonia-abolite-11-aree-protette/>



<https://freeondarevolution.wordpress.com/2011/05/23/amondawa-la-tribu-che-non-ha-bisogno-del-tempo/>



<https://slideplayer.it/slide/926863/>



<https://slideplayer.it/slide/926863/>



<https://slideplayer.it/slide/926863/>

Tupi - Kawahib: Macro-gruppo etnico indigeno storico del Brasile; si sono diffusi in Amazonia e in seguito nelle regioni meridionali ed atlantiche.



<https://pib.socioambiental.org/en/Povo:Uru-Eu-Wau-Wau>



<https://pdfs.semanticscholar.org/b4cf/32ea8528b168c99d8c81e54e74b124a7ac34.pdf>

La popolazione ricorre ad alcune attività quotidiane come la caccia, la pesca e la piccola agricoltura locale.

Sistema dei nodi

Sondaggio del 2017 – Silva Sinha

- **Piccoli sistemi numerici basati su pochissimi termini. I numeri uno e due, con varie combinazioni tra loro; termini in aiuto al conteggio come mani (meken) piedi (tea) e dita (metuti)**





<https://www.focus.it/scienza/scienze/la-tribu-dellamazonia-che-vive-senza-tempo>



<https://testata.decasite.com/2019/05/28/la-tribu-amazonica-che-non-conosce-il-concetto-del-tempo/>

A causa di questo sistema di conteggio così ristretto e alla mancanza di calendari o altri manufatti culturali a base numerica, la concezione di tempo è inesistente

Gli Amondawa infatti si basano sul Sole per definire le nostre 'ore' giornaliere, inoltre non presentano termini per definire l'equivalente della parola "tempo", "anno", "mese" e "settimana". Per ovviare questa mancanza utilizzano alcuni **termini temporali** come "stagione secca" oppure "stagione piovosa" ed altri termini per descrivere il decorso lunare; l'anno potrebbe corrispondere al termine "stagione secca" oppure il mese equivale all'espressione circa una fase lunare.



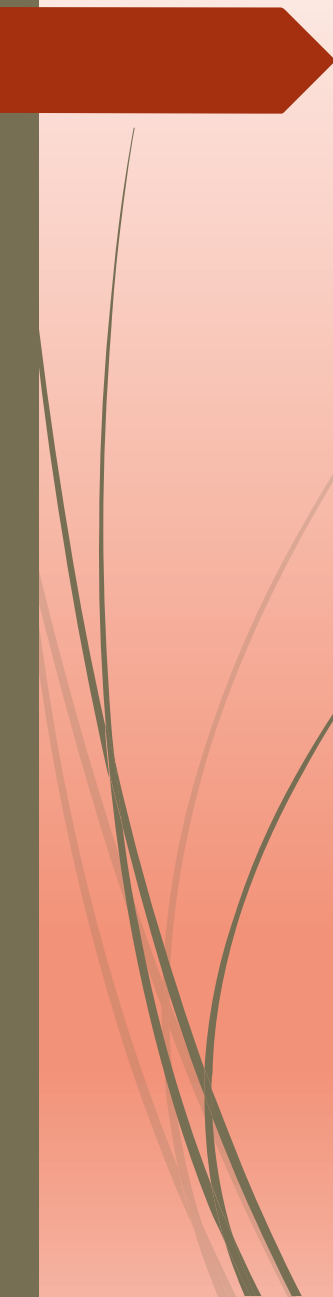
Other (adverbial) time referencing expressions

<i>Koro, koroite</i>	Today, now, right now (fut)
<i>Tiro</i>	Today, now, right now (fut)
<i>Tirove</i>	Today, in the immediate past (earlier today)
<i>Awo</i>	Here, now
<i>Ki . . . ko</i>	Past
<i>Poti . . . nehe</i>	Future
<i>Emo</i>	Past
<i>Ramo</i>	Past
<i>Ki . . . i'I</i>	Past



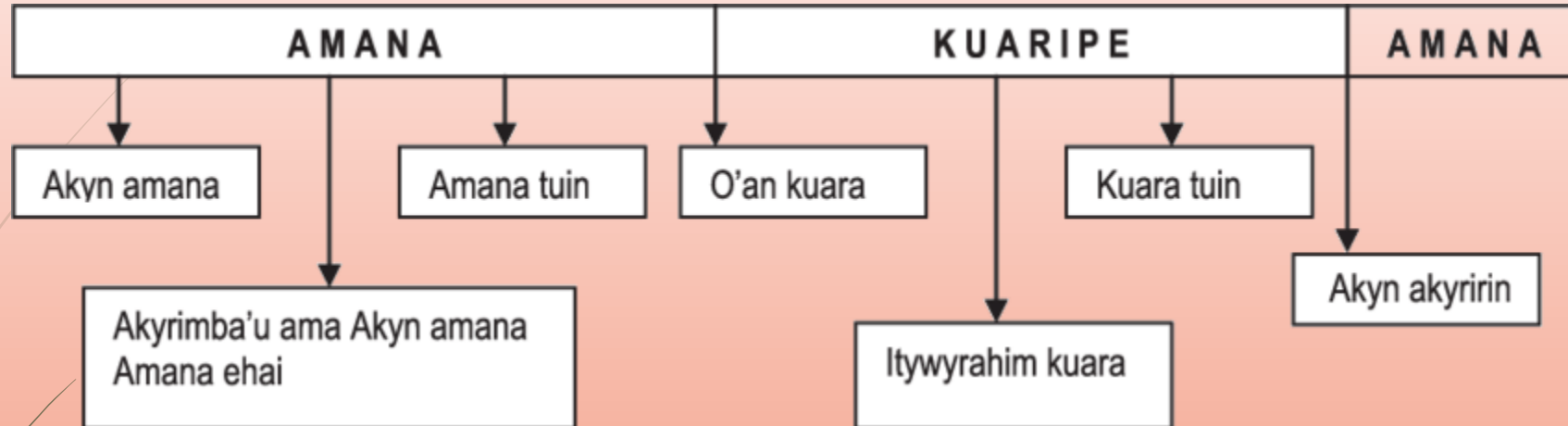
Studio del 2011 - Università di Portsmouth e Rondônia

- Conferma che la popolazione non riesce a mappare nel tempo gli avvenimenti passati o futuri. Essenzialmente il tempo per gli Amondawa esiste solo in funzione di determinati eventi naturali. Esso ruota attorno ad alcuni concetti base come le fasi della vita, il giorno scandito dal dì e dalla notte ed altre nozioni sulle stagioni, sul **sole**, sulla **luna** e sulle **stelle**.

A decorative graphic on the left side of the slide. It features a dark red arrow pointing to the right at the top. Below it, several thin, curved lines in shades of green and brown sweep downwards and to the right, creating a sense of movement and depth.

L'importanza del **Sole** (kuara) è testimoniata dal fatto che alcune attività possono essere eseguite solo in un ristretto e preciso lasso temporale (questo però non implica che l'attività si stia effettivamente svolgendo). I lassi temporali, che identificano quindi una determinata posizione del sole nel cielo, non si riferiscono ad un punto esatto nel tempo, bensì sono fasi temporali con confini vaghi tra loro.

Il loro nome è ispirato da alcuni elementi quali la *luce del giorno*, *l'assenza di essa*, *l'ombra*, *il buio*, *l'intensità della luce solare*, *dalla posizione e dal movimento solare*, *la forma del sole*, *colore e forma della luna*, *l'apparente posizione delle costellazioni*, *il livello dell'acqua*, il **cinguettio degli uccelli**, *il brusio delle cicale*, *il verso delle scimmie*, *la maturazione della frutta della foresta* e *il movimento degli animali*.



*L'avvenire dell'alba che è scandita dal canto del "ytywu'ajang" che indica il momento della veglia; allo stesso modo altri due uccelli "Muruwiri" e "ykiju" scandiscono lo stesso momento della giornata anche se cantando in stagioni diverse, alternandosi oppure cantando insieme definendo **stagioni diverse**.*

Conceptualizations of Time

Barbara Lewandowska Tomaszczyk



Amondawa

English

Kuaripe

Time of the sun ("SUMMER")

O'an kuara

"The sun is born". The arrival of the sun (beginning of the time of the sun).

Itywurahim kuara

"Burning sun". Very strong, hot sun, high summer.

Kuara Tuin

"Small sun". End of the time of the sun.

*Or**Akyririn Amana*

"Almost rain". The time of falling rain is close.

Amana

Rain / Time of the rain ("WINTER")

Akyn Amana

"Falling rain". The arrival of the rain.

Akyrimba'U Amana

"Heavy falling rain". Time of the heavy rains.

*Or**Amana Ehāi*

"Great rain". Rain of long extent and duration.

Amana Tuin

"Small rain". End of the rainy season.















*Or**Akyririn Kuara*

"Almost sun". The time of the sun is close.

Un ruolo importante viene assunto dalla **Luna** in quanto assume il ruolo di idolo; gli indigeni infatti affidano ad essa tutte le loro preoccupazioni, chiedendole salute, fortuna, protezione per la famiglia e i figli.



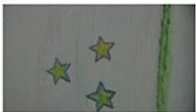






Le notti di luna nera invece corrispondono all'abbondare della pesca e del cibo nel villaggio.

<https://youmedia.fanpage.it/video/ag/UdBVduSwGMkCwk60>

Huni Kúí moon shapes/phases		Approximate sense
	a. <i>Ushe bena</i> Moon new	New moon
	b. <i>Ushe nia bena-ki</i> Moon is new-perfective	The moon has been new
	c. <i>Ushe babe-keirā</i> Moon get out	The moon is getting out
	d. <i>Ushe babe-keshur-ā</i> Moon get out-make-ASP-COMPL	The moon has finished getting out
Awetý moon shapes/phases		Approximate sense
	a. <i>Taty otem</i> Moon get out	The moon is getting out
	b. <i>Taty i-pete-ju</i> Moon 2P-half-stative	Half moon
	c. <i>Taty o-tewuka-ju</i> Moon 3P-grow-stative	The moon [is] growing
	d. <i>Taty apoa-ju katu</i> Moon round-stative-beautiful	The moon is round and beautiful
	e. <i>Taty o-tewe</i> moon 3P-disappear	The moon has disappeared
Kamaiurá moon shapes/phases		Approximate sense
	a. <i>Jay oem o-ut</i> moon get out 3P-come	The moon is coming out
	b. <i>Jay j-epemok</i> moon he-half	Half moon
	c. <i>Jay o-j-emo-tuwijap mytera rupi</i> moon 3P-he-causative-big half by	The moon is making [himself?] bigger by a half
	d. <i>Jay i-ava</i> moon 2P-round	The moon is round
	e. <i>Jay i-pytun</i> moon 2P-dark	The moon is dark

La posizione delle **stelle** e quindi delle **costellazioni** indicano agli Amondawa quando piantare e raccogliere determinate coltivazioni e celebrare le festività. Il nome delle costellazioni vengono attribuite a delle figure mitologiche viventi nel cielo

Kamaiurá constellations

a.  Janupitá	b.  Ekyitat/ Ekytat	c.  Atsingau	d.  Tukananhwa	e.  Tukanan	
f.  Jeyke'ok	g.  Tawarit	h.  Enya	i.  Tsihwet	Drawings by Wary Kamaiura Sabino © 2016 By permission	
Awetý constellations					
a. <i>Kopýjyt</i>	b. <i>Ypek</i>	c. <i>Kauzé</i>	d. <i>Taty-ayjyt</i> fire-small son	<i>watu</i> big	e. <i>Tawat retá</i> jaguar painting

Drawings by Dr Wary Kamaiura Sabino.

Janupita: Forma di un Emu, determina l'inizio della stagione delle piogge, momento adatto per preparare il terreno per coltivare la manioca (cicala inizia a cantare);

Ekytat: Indica periodi di pioggia intensa, momento giusto per raccogliere i frutti della foresta;

Atsingau: Forma dell'uccello Guira Guira, indica che i fiumi inonderanno;

Tukananhwa: Forma di una larga e triangolare griglia che usa la popolazione per arrostitire il pesce (durante la Jaruru Pira); segna la stagione delle piogge;

Tukanan: Forma di tucano, indica la fine della stagione piovosa, le acque si abbasseranno e sarà il momento della pesca e della semina;

Je'yke'ok: Riferito ad un lato del corpo che comprende il busto fino alla coscia, rappresenta la stagione secca, tempo di canti e balli (Javali festival);

Tawarit: Piccole tartarughe unite tra loro, indica il punto di mezzo della stagione secca (Jacui, festa del flauto e Jamurikuma, festa della donna);

Enya: Forma di un mortaio tradizionale, indica il tempo della brezza fresca (Jaruru Pira, festa del pesce);



Tsihwet: Forma di un'anatra, indica la fine della stagione secca, momento per preparare il terreno per le coltivazioni;

Kopýjyt: Insieme di stelle, indicano il raffreddamento dell'aria e l'arrivo delle piogge;

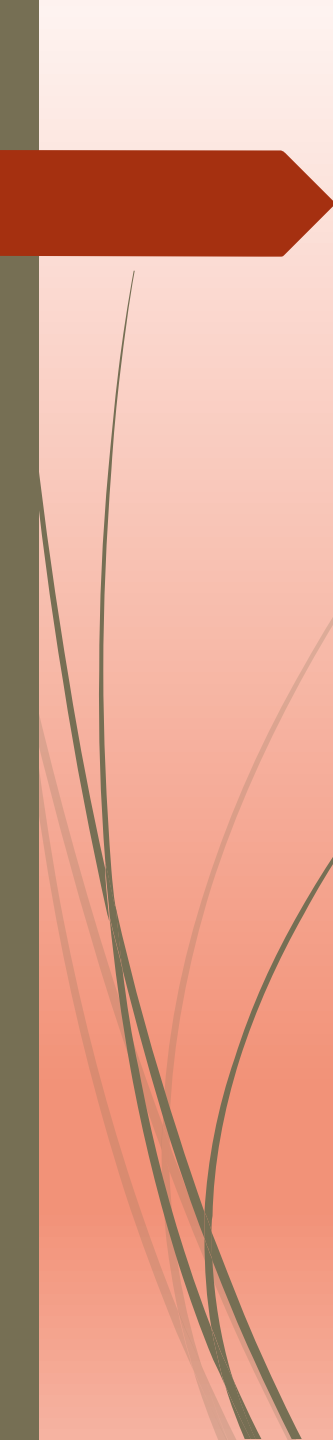
Ypek: Due stelle, indica l'arrivo della stagione secca;

Kauzé: Una stella che indica l'inizio del vento freddo durante la stagione delle piogge, momento della preparazione dei campi per la semina;

Taty-a'yjyt watu: Una stella che appare al mattino presto, forse si riferisce alla nostra Stella del Mattino, ovvero Venere.

Ta'wat retá: Punti del giaguaro, indicano la Via Lattea, usata per le indicazioni durante le attività notturne.





La loro vita è considerata come un susseguirsi di processi d'apprendimento mediante le diverse fasi della vita. Per ogni fase bisogna acquisire una certa conoscenza e responsabilità che viene esplicitata attraverso **riti di passaggio** e di insegnamento. Successivamente al rito e all'apprendimento, l'individuo viene considerato e rispettato come "definitivamente cresciuto".

*Le **fasi della vita** sono definite dai cambiamenti fisici e biologici, per esempio le ragazze vengono ritenute individui pienamente responsabili dopo il menarca; per cui, dopo aver superato il rito di passaggio, devono imparare le abilità e le nozioni di una donna della rispettiva comunità. Allo stesso modo, i ragazzi, dopo i primi segni di pubertà dovranno affrontare il rito di passaggio.*



<https://testata.decasite.com/2019/05/28/la-tribu-amazonica-che-non-conosce-il-concetto-del-tempo/>



Le fasi della vita in queste comunità non ruotano attorno all'età bensì ai cambiamenti biologici.

*La vita non segue una linea temporale ma differenti sequenze di “**stato d'essere**”, secondo alcuni studiosi nella cultura e nel linguaggio Amondawa vi sono delle espressioni lessicali che identificano ogni fase*


Kuja-taimet = Neonata
Kunu'um = Neonato
Ta'yi = Bambina e bambino
Pitang = Non identificato

Kuja-muku = giovane donna
Awowajà = ragazzo cresciuto
Kujayman = donna non sposata
Yman awawuja = Ragazzo cresciuto non sposato

Matyt = Donna adulta con figli o eventuali nipoti
Myra = Uomo adulto con figli o eventuali nipoti
Matyri = Donna vecchia
Myra'i = Uomo vecchio



<https://pixel.in.ua/schastlivye-chasov-ne-nabljudajut-amonda/amondawa/>

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- Derivazione linguistica Tupi – Kawahíb
 - Sistema numerico molto ristretto
 - Mancanza di manufatti culturali a base numerica
 - Particolare concezione del tempo e termini temporali
 - Importanza del sole, stelle e costellazioni
 - Importanza delle fasi di vita e dei riti di passaggio

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APPROVAL CHALLENGES IN NEUROSCIENCE

REVIEW

Space and time in the brain

Okyay Baskak¹ and Rüdiger L. Head²

Nothing is more intuitive, yet more complex, than the concepts of space and time. In contrast to space, which is a physical dimension, time is an abstract concept. In neuroscience, time is often defined in terms of neural activity, such as the duration of a neural spike or the time interval between two spikes. However, the concepts of space and time are not necessarily linked, and their neural representations may differ. Here, we review the current state of research on the neural mechanisms of space and time perception, and discuss the challenges in understanding these concepts. We focus on the role of the hippocampal system in spatial navigation and the role of the striatum in timing. We also discuss the role of the cerebellum in the integration of spatial and temporal information. Finally, we discuss the role of the brain in the perception of time intervals and the role of the brain in the perception of spatial intervals.

For most cultures, space and time are used to map and explain the events and experiences of the world. These terms are often used interchangeably—for instance, “The dragon hunt is due soon as” “Landscape that most temporal words have a spatial sense in their primary meaning (2). Half of the world’s languages do not have grammatical terms to specify or relate the dimensions of space and time. The Aborigines of New Australia do not conceive of time as something independent of other things or something in which events occur. Yet these cultures understand calendar, seasons, events, and relations (3, 4). Thus, it is not obvious that space and time are universal and independent.

Modern science has radically transformed these dimensionless concepts with the introduction of measuring instruments. Space and time were replaced with their definable units: (1) distance and displacement and (2) duration and intervals, which were quantified by the units of dimensional instruments, such as rulers and clocks, thereby giving their physical meaning. In classical physics, distance and duration are equal and time does not depend on motion or velocity. Research in neuroscience on animals and humans has revealed that space and time are not necessarily perceived in this way. For example, (5) even though in contemporary physics time is a longer extent than “seconds” for the world, and there is no time “in which” events occur (6), in the human experience, temporal sequences vary in space and time, discuss whether the brain perceives or creates the space and duration, maybe how assumed representations of distance and duration are related to each other, and consider the option that space and time are mental constructs.

Representations of space in the brain

Recent studies have separately examined the neural mechanisms of representing space and time.

Abstract: Space-time is a world concept (1) and its representation in the brain has been attributed to the hippocampal system (2). The hippocampal system is a part of the limbic system and is involved in spatial navigation. It is composed of several subregions, including the dentate gyrus, subiculum, and CA1, CA2, and CA3 regions. The hippocampal system is involved in the representation of spatial information, and its activity is modulated by the environment. The hippocampal system is also involved in the representation of time intervals, and its activity is modulated by the duration of the event. The hippocampal system is a part of the limbic system and is involved in spatial navigation. It is composed of several subregions, including the dentate gyrus, subiculum, and CA1, CA2, and CA3 regions. The hippocampal system is involved in the representation of spatial information, and its activity is modulated by the environment. The hippocampal system is also involved in the representation of time intervals, and its activity is modulated by the duration of the event.

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A construção social e linguística das relações de intervalos de tempo e eventos temporais em uma cultura amazônica¹

The social and linguistic construction of time intervals and temporal event relations in an Amazonian culture

Wany Bernadete de Araújo Sampaio²
Chris Simha³
Vera da Silva Simha⁴
Jörg Zinken⁵

Resumo: No campo da linguística conceitual, grande número de pesquisadores e estudiosos assume que existe um domínio conceitual natural e pré-linguístico acerca da noção de tempo e que a organização linguística deste conceito é universalmente estruturada através de mapeamentos metafóricos de léxico e de gramática de espaço e de movimento. O objetivo deste trabalho consiste em reconsiderar tal concepção, com base em pesquisa realizada na língua e na cultura do povo amonawa, habitante da região central do estado de Rondônia, na Amazônia brasileira, falante da língua Tupá-Kawahá, da família Tupá-Guaraní, Tronco Tupi. Como metodologia de trabalho foram adotadas a pesquisa observacional e a coleta de dados linguísticos em trabalho de campo. Os dados foram submetidos à análise linguística estratificada e conceitual, com vistas a localizar, no nível da construção linguística, possíveis indícios de mapeamentos espaço-temporais. A análise sugere que o mapeamento espaço-tempo, no nível da construção linguística, não é um traço da língua amonawa e que este tipo de mapeamento não é empregado quando os indígmas falam na sua língua materna.

Abstract: In the field of conceptual linguistics, a large number of researchers and scholars assume that there is a natural and pre-linguistic domain concerning the notion of time and that the linguistic organization of this concept is universally structured through metaphoric mappings of lexicon and grammar of space and of movement. The objective of this work is to reconsider this conception, based on research conducted in the language and culture of the Amonawa people, inhabitants of the central region of the state of Rondônia, in the Brazilian Amazon, speakers of the Tupá-Kawahá language, of the Tupá-Guaraní branch of the Tupi family. As methodology, we adopted observational research and the collection of linguistic data in fieldwork. The data were submitted to stratified and conceptual linguistic analysis, with a view to locating, at the level of linguistic construction, possible indicators of space-time mappings. The analysis suggests that space-time mappings, at the level of linguistic construction, are not a trait of the Amonawa language and that this type of mapping is not used when the indigenes speak their mother tongue.

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Event-Based Time in Three Indigenous Amazonian and Xinguan Cultures and Languages

Vera da Silva Simha¹

Abstract: This article reports a field study of event-based time concepts, their linguistic expression and their use in time reckoning practices in three indigenous cultures and languages of Brazil: Huni Kué (Pano, North-West Amazonia), Awáy and Kamára (Tupá-Guaraní, Moxá National Park). The results are based on ethnographic observation, interview, conversation and structured language elicitation tasks. The three languages all have rich inventories of lexical and phrasal expressions for event-based time intervals, based on environmental and celestial indices and social norms. Event-based time intervals in the domains of life stages, times of day and night, and seasons are documented. None of the cultures employ metric (calendar and clock) time units, but hybrid calendars representing bands of the 12-month yearly cycle and the indigenous seasonal indices are produced as art works. The number system in each culture and language is documented, and the use of numbers in time reckoning practices, together with rotational cognitive artifacts, is described. Malinche spatial indices for time intervals and temporal landmarks are common, but metaphorical space-time mapping is almost entirely absent. In two languages, event terms can be used in conjunction with some motion verbs (Moving Time), but these languages do not signify motion on a timeline; they are more related to appearance and disappearance. Moving Ego expressions cannot be used in any of the languages. “Past” and “future” are not lexicalized concepts, but these notions can be metaphorically conceptualized in terms of embodied perception and cognition. They are not thought of as “in front of” or “behind” the speaker. There is no evidence in any of the three languages of a conceptual timeline. The similarities between time concepts in the three languages, and their similarity with the previously studied Amondawa language, suggests the possibility of a cultural area complex extending over a large part of South America.

Keywords: event-based time, time reckoning, Amazonian languages, temporal metaphor, temporal metaphor, indigenous cultures, Xinguan, Brazil

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