

METHODOLOGICAL 'SURVIVAL' STRATEGIES IN THE INVESTIGATIVE JOURNEY TO SCIENCE IN THE NEW WORLD: WEAVE DIMENSION, CARTOGRAPHY OF KNOWLEDGES AND RHIZOMATIC MATRICES

ESTRATÉGIAS DE 'SOBRE-VIVÊNCIA' METODOLÓGICA NA VIAGEM INVESTIGATIVA PARA A CIÊNCIA NO MUNDO NOVO: DIMENSÃO TRAMA, CARTOGRAFIA DOS SABERES E MATRIZES RIZOMÁTICAS

ESTRATEGIAS METODOLÓGICAS DE 'SOBRE-VIVIR' EN EL VIAJE INVESTIGATIVO A LA CIENCIA EN EL NUEVO MUNDO: DIMENSIÓN DE LA TRAMA, CARTOGRAFÍA DE LOS SABERES Y MATRICES RIZOMÁTICAS



Maria Luiza Cardinale BAPTISTA¹
e-mail: malu@pazza.com.br



Jennifer Bauer EME²
e-mail: jbauer.eme@gmail.com

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¹ University of Caxias do Sul (UCS), Caxias do Sul – RS – Brazil. Professor and researcher at the Graduate Program in Tourism and Hospitality at the University of Caxias do Sul. Coordinator of Amorcomtur! Study and Production Group in Communication, Tourism, Love and Autopoiesis (CNPq-UCS). PhD in Sciences (ECA-USP). Post-doctoral internship at the Graduate Program in Society and Culture of Amazonas (PPGSCA-UFAM).
² University of Caxias do Sul (UCS), Caxias do Sul – RS – Brazil. Member of Amorcomtur! Study and Production Group in Communication, Tourism, Love and Autopoiesis (CNPq-UCS). Master in Tourism and Hospitality by the Graduate Program in Tourism and Hospitality (PPGTURH-UCS).

ABSTRACT: Essayistic text, addressing qualitative methodological strategies of 'survival' in 'investigative travel'. The assumption 'investigative travel' invites to reflect on the investigative universe of Tourism, as a powerful sign for the understanding of Science for the New World. As a theoretical substratum: understanding of Science Mutation; alignment with Ecology of Knowledges, Schizoanalysis, Deep Ecology, Ecosystem Vision and Matristic orientation. The Cartography of Knowledges is a strategic orientation for the investigative production, composed by the trails: the 'Research Weave', the Personal Knowledges or Subjective Dimension, Theoretical-Conceptual-Bibliographical, the Production Plant or the Doing Trail and the Intuitive Research Dimension. The weave of scientific knowledge and know-how must be at the service of the reinvention of life and, in this sense, of the modes of 'survival', more than just 'living'. The Rhizomatic Matrices demonstrate the coherence of the weave and the refinement of the understanding of the connections and derivations in the Investigative Journey.

KEYWORDS: Science. Tourism. Methodology. Cartography of Knowledge. Rhizomatic Matrices.

RESUMO: Texto ensaístico sobre estratégias metodológicas qualitativas de 'sobre-vivência' nas 'viagens investigativas'. O pressuposto 'viagem investigativa' convida a refletir sobre o universo investigativo do Turismo, como sinalizador potente para a compreensão da Ciência para o Mundo Novo. Como substrato teórico: compreensão de Mutação da Ciência; alinhamento com Ecologia de Saberes, Esquizoanálise, Ecologia Profunda, Visão Ecosistêmica e orientação Matrística. A Cartografia dos Saberes é uma orientação estratégica para a produção investigativa, plurimetodológica, processual e rizomática, composta pelas trilhas: Trama dos 'Entrelaços Nós da Pesquisa', Saberes Pessoais ou Dimensão Subjetiva, Trama Teórico-Conceptual-Bibliográfica, Usina de Produção ou Trama dos Fazeres e Dimensão Intuitiva da Pesquisa. A trama de fazeres e saberes científicos deve estar a serviço da reinvenção da vida e, neste sentido, dos modos de 'sobre-vivência', mais do que apenas de 'vivência'. As Matrizes Rizomáticas demonstram a coerência da trama e o refinamento da compreensão das conexões e derivações na Viagem Investigativa.

PALAVRAS-CHAVE: Ciência. Turismo. Metodologia. Cartografia dos Saberes. Matrizes Rizomáticas.

RESUMEN: Texto ensayístico, sobre estrategias metodológicas qualitativas de "sobre-vivir" en "viajes investigativos". El supuesto "viaje investigativo" invita a reflexionar sobre el universo investigativo del Turismo, como signo poderoso para la comprensión de la Ciencia para el Mundo Nuevo. Como sustrato teórico: comprensión de Mutación de la Ciencia; alineación con Ecología del Conocimiento, Esquizoanálisis, Ecología Profunda, Visión Ecosistémica y orientación Matrística. La Cartografía de los Saberes es orientación estratégica para la producción investigativa, multimetodológica, procesal y rizomática, compuesta por pistas: 'Entretejemos la Investigación', Saberes Personales o Dimensión Subjetiva, Teórico-Conceptual-Bibliográfica, Trama de Producción o Trama de Hechos y Dimensión Intuitiva de la Investigación. La trama de los Saberes y Conocimientos científicos debe estar al servicio de la reinvencción de la vida y, en este sentido, de las formas de "sobre-vivir", más que de "vivir". Las Matrizes Rizomáticas demuestran coherencia de la trama y refinamiento de comprensión de las conexiones y derivaciones en el Viaje Investigativo.

PALABRAS CLAVE: Ciencia. Turismo. Metodología. Cartografía de los Saberes. Matrizes Rizomáticas.

Confluences and Initial Reflections – Personal Knowledge Trail

Year 2022. I begin³ this text by reflecting on the recursive logic of what I have to tell here and how much the text is the result of what it tells, from the understanding that the phenomena we study are 'complex plots', from a broad Cartography of Knowledge and the realization (and creation/construction) of Rhizomatic Matrices, for the systematization and activation of 'survival' strategies in the many investigative journeys.

I speak from a trajectory that, at this moment, accumulates 60 years of life, more than 50 years as a student, 35 years as a researcher, 32 years as a professor of Research Methodology in six Brazilian universities, with research presented at national and international events, such as result of partnerships and relationships with researchers from over 15 countries. There were hundreds of works directly oriented in the areas of Communication, Journalism, Publicity and Propaganda, Public Relations, Design, Cinema, Tourism, Education, Psychology, Medicine, Society and Culture of the Amazon and Social Work, as a professor of Methodology, as well as another hundred providing guidance at all academic levels – doctoral, master's, specialization, graduation – in virtually all areas of knowledge, as a supervisor of texts and research processes, in the direction and coordination of a company specialized in the supervision of academic texts, headquartered in Porto Alegre, in Rio Grande do Sul, Pazza Comunicazione. This supervision of the writing process is what I also call 'welcoming the subject of writing', and which also contributed and resulted in a recursive logic, for the production of the Doctoral Thesis in Sciences, at the School of Communications and Arts of the University of São Paulo, in the year 2000, on young adult writing processes as an expression of subjectivity and the relationship with the communicational fabric (BAPTISTA, 2000).

In this long journey of life, research and guidance, I met many people who felt aimless, who said they were lost in research and who showed fear in the face of the immense challenges of the investigative journey, especially in what I call today 'architecture and glimpse of derives' from the productions, seeking conditions to understand the plot dimension, the complex composition, marked by multiple powerful transverse beams, which give uniqueness to the investigated phenomenon. I mean, they were people who felt like they were losing the 'research game', without realizing that research is a multiple-choice game and that, when we choose

³The writing in the first person singular, throughout the text, corresponds to the writing of Maria Luiza Cardinale Baptista, responsible for the propositional essay approach and author of the methodological strategies *Cartografia dos Saberes* and *Matrizes Rizomáticas*. The other author, Jennifer Bauer Eme, responds, in the text, by sharing the Rhizomatic Matrices of her research, as an example of Baptista's methodological propositions, widely discussed in Amorcomtur ! Study Group on Communication, Tourism, Love and Autopoiesis.

something to research, we compose a research focus, based on a plot of constituent elements that takes us on an investigative journey. This journey stems from and, at the same time, is a journey in search of ourselves, in which we rescue our knowledge and put it in motion, triggering our wants, our desires for more knowledge.

We choose the focus of study, we choose authors, for more or less rational biases, but we are constantly making choices and, in many moments, sharing these choices with advisors, research group partners and the most diverse interlocutors, in events, classes, seminars, etc. In the end, however, we sign the texts and research we produce and, in that sense, they are first and foremost the result of our choices. So on the way, if we pay attention, we discover ourselves. Of course, research is also a journey towards the world of the Other. We do not research just because we like it, but because we understand that the focus of study, in its condition/weave dimension, is relevant to other people, other ecosystems, other existential universes, preferably also for the Planet, such as our Great House, Gaia.

Very early in life, I discovered the charms of knowledge journeys. Sometimes I have the impression that I was born with this understanding, because I always wanted to study, I wanted to learn, to learn to learn. Still in the countryside of São Paulo, I was less than five years old and I thought it was unfair that my brothers went to school and I didn't. I understood that it was an important thing to do. After insisting so much, I got permission from my mother to go to the school on the farm where we lived, permission to go 'on that day'. I felt important. I felt 'like a real person'. In these comings and goings, I had the support of my older brother, my first teacher. He understood that I wanted to learn to read and write even before I was in school, he helped me get started before the start of classes. In practice, it was not yet time. For me, however, it seemed too late.

That's why, after three days on the first grade, I took the exam and went straight to the second year. I had always studied and felt transported to other worlds, other times, going through portals of knowledge, meeting beings from other places, from other worlds. Learning enchanted me and made me establish relationships and connections. Learning to learn was felt as my existential challenge. Even today I remember the astonishment of looking at the water falling from the school's water fountain tap, on the first 'official' days of school and the wonder of the question that arose in me: "how do we see?". As I looked at the drops of water hurriedly falling on the checkered white tile of the water fountain at Grupo Escolar de Guarantã, I thought: how can I see? How do my eyes see? What happens inside me that makes me see? Years later, I found myself with the same question, in the Seminars of the Matristic School, in the reflections

presented by my teacher, now deceased and still very present in me, Humberto Maturana. I keep reflecting that, in a certain sense, I spent my life trying to understand how I see what I see, what processes are triggered so that I – and the researchers and clients I advise – see what I see of the world, of the investigated universes.

This is how the learning process took place in me, so intensely that, as an adult, already in the Journalism Course (1982-1986), at the Federal University of Rio Grande do Sul, I was faced with the possibility of researching and I felt that something was composed with my pulse, with my breathing, with my way of being and being in the world. I understood that being this person who seeks, who wants to know more, wants to know more deeply and wants to give it to the world was my way of life, my *Cajuína* logic, as I usually say, reflecting on Caetano Veloso's verse: "existing, what is it for?". It still is and I think it will continue to be my existential sustenance, in many ways. At that moment, under the guidance of researcher and professor Maria Helena Weber, at the Faculty of Library Science and Communication, in a learning path called Comparative Communication, I did my first academic research on telenovelas and their subjective, social and political aspects.

Passionate about the tasks of Journalism, years later, I found myself in the Master's deliberately in love with the Methodology classes, given by Professor Dr. Maria Immacolata Vassalo de Lopes, at the School of Communications and Arts at the University of São Paulo. During the afternoons of her classes, she would open up a world of reflection on the relevance of Methodology as a device for realizing research desires. He also explained the intrinsic character of the power of the Methodology, with its history, told among other authors he indicated, such as Ramiro Beltrán (1981). This author taught how to think about the stages of research development, showing that the history of research in Latin America is also a history of the struggle to overcome the paradigms imposed by North America, with a 'strong impact' of functionalism and theoretical-methodological subordination to the prefabricated models in other territories, territories always thirsting for domination. The demands, in the face of funding and offers of subsidies for the investigations, were what created conditions of a logic, which I understood and questioned throughout my life: 'knowing in order to dominate'.

So, psychosociological studies and methods helped me to understand Brazil and Latin America as a whole, in order to later 'dominate' the emerging and powerful consumer market, due to the numerical grandeur of our population and our environmental, economic, cultural wealth. I came to understand, then, that the Methodology is the key to the vault, in many senses. It is the key to the treasure of the research, in a material, symbolic, emotional sense, of the

possibility of returning the desired investments made; that is why it is kept as a relic, in heavy academic compartments, visible only partially and invisible in its amplitude, protected by discursive nebulae, whose function is to frighten beginning researchers and tell them: “No. This is not scientific. No, the Methodology is incorrect. No, you cannot do that. No, this has no value”. In other words, what is often being said to anyone who dares to try to start research is: “You are worthless! You are not ready yet! You don't master methodology”. The good news I bring is: “Nobody masters Methodology!”. Yes, because Methodology is 'indominable', it cannot be dominated, because Methodology is the study of the paths of the investigative journey, and the paths are inscriptions of processes that are made as a result of the event, in a continuum walking in the investigation, *in* the 'action of investing in search of knowledge', as I like to refer to it. Just as it is inherent to travel, we have knowledge and glimpses when we leave home, but we do not know, for sure, the result of the trip. And the grace is precisely in this process, in the unusual and involving character of the process of desiring deterritorialization, which is triggered at the beginning of any trip, including academic trips. Pathways are *inscriacionais*, using a term I created in my PhD. They are being inscribed, created, at the same time that worlds of becomings are activated, of what must become. So it is in the investigative journey and in life.

On the contrary, the rigid and axiomatic hyper protection of the possible paths and detours of research is consistent with the scientific paradigm resulting from what is conventionally called the Scientific Revolution – the end of the 16th century and the beginning of the 17th century. For many years I have been reflecting on the limits of the reductionist, mechanistic and Cartesian character of Classical Science, I have also been trying to open new roads, new possibilities for walking, to make the journey more pleasant, less rigid, more poetic – with autopoietic power, for subjects and places – and in this way, to involve more and more researchers in the desire and joy that is to be a researcher and in the possibility of becoming a scientist. In the same sense, I spent my life fighting to demystify Methodology to create access for beginning researchers, and helping more experienced researchers, at postgraduate level, to fully understand methodological knowledge, so they could build their own paths and possibilities of their investigative journeys.

There are many stories, in this sense, that I accumulated on the walk. Due to the proportions of this text, it is not possible to count them. I then proceed to the second track of the Cartography of Knowledge, one of the methodological strategies I propose and which, here in this text, I revisit and revise. The next trail corresponds to the approach of conversations with

authors, with the systematization of the confluence of theoretical-conceptual-bibliographical lines, for the production of the investigative journey.

I emphasize that this text is also the result of many conversations in Amorcomtur!, especially of our weekly meetings, called Chaotic Meetings, considering chaos in its power of agency of creation. The review of Cartography of Knowledge and Rhizomatic Matrices was taken to the meeting and reflected on by the researchers. This article is signed by a researcher with a Masters in Tourism and Hospitality, who, among many others, has been helping to consolidate Amorcomtur studies. Lovingly and complicitly, she accepted the challenge of adapting the previous rhizomatic matrices of her research to those of the current moment. This is her contribution to the text. The essay is written in the first-person singular subject, but I understand that my speech is transversal to the speech of many people, especially my advisees and authors who also became 'companions on an investigative journey'.

Theoretical-Conceptual-Bibliographic Weave of Research

At this point, I present the trail of theoretical-conceptual-bibliographical knowledge, in recognition that my knowledge, my propositions, are derivations of many conversations in life, with other beings, inscribed and very alive in me, which produced significant, remarkable transformations in relation to the meaning of life and research. There is no way to report all encounters, or even 'open the trails'. I choose, in coherence with the focus of the text, some signs inherent to the trails that go from the epistemological approach to the theoretical, methodical and technical dimension, bringing here some guidelines of this confluence plot that supports the text.

As a substrate that generates reflections, in terms of theoretical paths, there is the understanding of **Mutation of Science**, evidenced since the last century (CAPRA, 1997; CAPRA; LUISI, 2014); the **Holistic Vision** (CREMA, 1989); the alignment with **Ecology of Knowledge**, by Santos (2019); of **Complexity and Reconnection of Knowledges**, by Morin (1991); of *Esquizoanálise*, by Deleuze and Guattari (1995); **Ecosystemic Vision**, by Monteiro and Colferai (2011); **Indigenous Knowledge**, by Krenak (2019) and Werá (1998); and **Matristic Guidance of Love and Cultural Biology** by Maturana (1998), Maturana and Varela (1997), and D'Ávila and Maturana (2015), with attention to demands and challenges in the production of knowledge in the New World. In this sense, the essay production is guided by the complex, holistic ecosystem epistemology, of knowledge reconnection, not only from the

traditional scientific universe, but from the great universe of knowledge that intertwine in the investigated ecosystems, also considering the ancestral wisdom and traditional populations.

More closely on Tourism, in these more than 10 years, in conversations with authors, researchers, there is already a series of dialogues, in the sense of openings for a new possible tourism (GASTAL; MOESCH, 2007), confluences of reflective sensibilities, of which I highlight, especially, the encounter with the thought of Moesch (2004), with whom I perceive transversalities for the understanding of the touristic-communicational-subjective ecosystems.

Weave of knowledge. This is the presupposition of the holistic complex ecosystemic vision, which guides this work and my studies as a whole, also as a proposition for the Science of the New World. Thus, at this point of reflective considerations, I approach the configuration of the theoretical-bibliographical plot of my research and that of the group I coordinate, Amorcomtur!, with emphasis on the configuration of this trail, which concerns the theoretical substrate of this text. In this sense, I emphasize the **plot dimension**, as an indicator of complexity, which demands the creation of plural, procedural and careful systematization strategies, in terms of guidelines in the paths and detours of the research.

The other assumption is that of '**investigative trip**' that I presented in my studies a long time ago, involving the **intuitive dimension of research**, when, long before getting to know the Amazon, I already told Social Communication students at the University of Taubaté (years 1990-1991) and at the Lutheran University of Brazil (1992 -2002) that doing research is like taking a trip into the forest. Later, in 2010, when I went to Manaus for the first time, to give a lecture to students at the Federal University of Amazonas, about my studies on methodology, I was able to question myself on how this idea had arisen, if I had never traveled in the forest. The immensity of the encounter with the forest, however, the multiple confluences between feelings and knowledge with the entire ecosystem, made me understand that I had sensed something powerful about the relationship between research and travel, between paths and detours, between the facing ourselves, the encounter with our beasts, our flowers and inner beings, also on the risk of internal cliffs, the mud, the risk of being swallowed by our own animals or by others, in the ferocious jungle of the environment academic. This is something that invites us to reflect on the investigative universe of Tourism, as a powerful signal for understanding Science for the New World, which I have been treating, in Portuguese, as Mundo N'Ovo, the World in the Egg, the World that is being generated by all of us, also in Education and Science.

And regarding the New World, it is important to understand that the presuppositions here involve the great transmutations, not only of science, but of the Episteme that makes (should make, at least) life possible on earth. The first indication, in this sense, was possible, for me, from the encounter with the thought of authors such as Fritjof Capra (1997), Capra and Luisi (2014), Roberto Crema (1989), James Lovelock (1991), encouraged by discussion of the research line Epistemology of Journalism, at the USP School of Communications and Arts, in learning paths and seminars with professors Edvaldo Pereira Lima and Cremilda Medina. The main mutation, in me, involved an amplified understanding of science, also with connections with possibilities for openings to sensitivity, art, poetics, subjectivity, intuition, which was, for me, increasingly charming. The contact with Quantum Physics and the glimpse of the mutations of science, in reconnection with archaic knowledge and with Spirituality, also dates from this period (CHOPRA, 1994; GOSWAMI, 1993). At the same time, I experienced the meeting with Restrepo (1998), recommended by Professor Cremilda Medina, with an invitation to reconnect with tenderness, in everyday life, at work and in science; the reconnection with *A Lover's Discourse: Fragments*, by Roland Barthes (1977); as well as the encounter with the notion of love by Humberto Maturana, who teaches that love is the recognition of the other as a legitimate other in coexistence.

Methodological Strategies Cartography of Knowledge and Rhizomatic Matrices

With the purpose of presenting Methodological 'Survival' Strategies in the Investigative Journey to Science in the New World, the first confluences have been presented so far, with the Trail of Personal Knowledge or Subjective Dimension of Research, followed by the Plot Dimension, with the Theoretical-Conceptual-Bibliographic Trails, just indicated, due to the proportions of this text. We now move on to the presentation of the review of Cartography of Knowledge and Rhizomatic Matrices, as authorial methodological strategies. Both stem from a lifetime, but their expression had special moments in some texts and productions. In 2014, I published the article *Cartography of the Knowledge of Research in Tourism*, in the *Rosa dos Ventos Magazine*, in which I presented an association of the methodological strategic proposal with Tourism studies (BAPTISTA, 2014). After that, many articles brought Cartography, either as a proposition coupled with epistemological reflection, or as a methodological strategy of choice in empirical research carried out.

What I present below is a proposition that maintains the character of a plural subjective orientation, for investigative production, with some details changed, in relation to the original proposition of four investigative tracks: Personal Knowledge, Theoretical Knowledge, Research Laboratory or Production Plant, Chopped Thoughts or the Intuitive Dimension of Research. I emphasize here that the more informal denominations were initially related to the desire to dialogue with undergraduate students, with whom I worked more directly, at the beginning of my career as a Research Methodology professor. Next, the New Cartography of Knowledge, always in process. This is dated May 2022.

Cartography of Knowledge

The Cartography of Knowledge is a multi-methodological strategic orientation for investigative production. The name Cartography of Knowledge is inspired by the notion of cartography presented by Suely Rolnik, in the book *Cartografia Sentimental*, in which she proposes cartography as a resource for the study of psychological processes in the female universe (ROLNIK, 1989). According to her, cartography is a kind of map that is made following the change in the landscape. This idea, by itself, confers coherence between the use of cartography as a methodological strategy, for research guided by procedural, complex and holistic logic. It is an interesting device for studying universes in transmutation, phenomena in their natural process of changes and alterations, in a continuous dynamic of self-production. The creation of the Cartography of Knowledge aimed to guide the operation of work on systems in chaos (chaos-osmosis-in the cosmos), which characterizes most of the studied phenomena. The composition of Cartography as Cartography of Knowledge refers to the idea of multiplicity of transversal knowledge, intertwined in the composition of research nodes.

Cartography is operationalized by simultaneous trails, considered in its production dynamics in a continuous process. There is an initial track, which becomes a signal for the others, which are activated simultaneously. This is the **Trail of Research Nodes**, which identifies the investigative 'nodes', the focuses of investigative trails to be pursued. The methodological strategy considers the subjective and authorial character of the researcher, his history, his concerns and searches, in the **Trail of Personal Knowledge or Subjective Dimension**, in association with several other types of knowledge, in three other trails. The **Theoretical-Conceptual-Bibliographic Plot Trail** is the investigative *phylum that makes it possible to carry out encounters with the knowledge of others, in coherence and derivative*

alignment of the core meanings of the study focus, the 'research nodes'. In the **Production Plant Trail**, there is the universe of investigative actions, in approximations and actions, with its character of inscription – inscription, creation and activation of becomings – taking into account the uniqueness and complexity of the investigated ecosystemic universes. In association, with a simultaneous, spontaneous and constant character, there is the **Intuitive Dimension of Research Trail**, recognizing that knowledge is produced in the interweaving of powerful universes, involving material and immaterial dimensions, in line with the fact that research is, it itself, a living and changing universe. So, let's take a moment to reflect on each one of them.

Trail of the ' Intertwining Research Nodes' – which corresponds to the investigative nodes, to the investigative trails that synthesize the investigated universe. I am thinking here of us, inspired by Ilya Prigogine, in the proposition of the existence of confluence nodes and passing nodes. They are 'concentrating points', in our case, words or expressions that synthesize investigative trails, becomings, signposts of passage to what we want to say. Thus, the recognition of the research goes through the identification of what we are intertwining, in the recognition of a problematization to be investigated.

There is a dynamic for recognition and reflective treatment of the research's ' intertwined nodes. Many years ago, I created the Balloon Game, in a practical exercise, which refers to the playful world of children, but is also associated with the mathematical logic of Set Theory and the fluency inherent in the natural and spontaneous condition of intertwining balloons and wires and recognize their charms and our preferences for them. In the practice of the game, we think and draw, when possible, six balloons. In each balloon we write a word related to the research. We look, we reflect. We can number the balloons, thinking about priorities and sequence. Which comes after which? Which is more important to us? So, we have to choose three balloons to 'throw away'. It is often a difficult decision, because choosing the six words is already a filtering exercise, in the large universe of available words, to write the summary phrase of the research focus. The dynamics, however, invites us to stick with three words that represent the synthesis of the synthesis, the essential, which cannot be discarded, in any way, to guarantee that the great node of meaning of the research we are carrying out remains.

We don't know that we know where the knot is, but often we gradually realize that the dynamic, however simple it may seem, helps us to bring to light the awareness of knowledge, the great clue, the great signaling knot. In this sense, we have to make an effort to even know what 'the word' would be, if we had to choose just one. What word would suffice to express our research? Here is the overwhelming question. In the three-word composition, the core of the

study has to be said. This exercise is didactic-pedagogical, it stirs the researcher inside his desires, his thoughts, his knowledge, his previous reflections and his intuitions of becomings. It is fundamental for the invitation, in the sequence, which is to understand that the six words will cohabit a phrase of presentation of the Focus of Study – generally called by the researchers of object of study, but that I propose to call focus or, even more appropriately, outline, because I realized, in these years of research and guidance, that, in fact, it is not about 'object' and that the very denomination of object is linked to a paradigmatic logic of Science resulting from the Scientific Revolution, at the end of the 16th century and beginning of the 17th century. Unlike the classical orientation, research is alive, the investigated universe is alive, pulsating, mutant, autopoietic and generator of new shoots, as well as an agent of new investigative paths. This is the most challenging and enchanting of the research processes and what makes it incoherent to call the main path chosen for the investigative journey an 'object of study'.

Personal Knowledge or Subjective Dimension – here it is on the agenda the subjective and authorial nature of the researcher, his/her history, concerns and searches. No one starts a survey 'out of the blue'. On the contrary, what moves us is accumulated knowledge intertwined with intimate feelings, which make it possible to answer the emblematic question that I repeatedly ask every Amorcomtur researcher! and who consults with me at my company Pazza Comunicazione: “What do you care about? As a consequence: what matters to you in this universe of investigation? What interests you? What relationship do you have with this subject?” The exercise of answering these questions and producing 'gushing' texts, resulting from spontaneous writing, as ideas spring up in us, produces essential clues for choices along the way. The researcher needs to know what he is looking for with this investigative journey. Knowing from within yourself, from your existential drifts. And this happens with researchers in all academic dynamics and levels – from scientific initiation to doctorate or postdoctoral studies.

The dynamic of this track is to question yourself, reflect, feel, let the information come and inscribe, write, without judging. The researcher must write texts, without questioning them, without worrying about norms or rules. The job here is to write for yourself, to find out what you know and think about the focuses signaled by the 'balloons', the intertwined nodes' of the research. Write and then talk with colleagues in the research group and with the supervisor.

Theoretical-Conceptual-Bibliographic Plot – in this trail, the proposal is recognize that what we know results from intertwining with other beings who know, think, feel, write and, some of them, elaborated theories (explanations about the 'content', the sense of confluence

meanings of the universes), beings who deeply reflected, investigated and they managed to crystallize synthesis-expressions of these thoughts, the theoretical flows, theoretical paths and concepts, which are these synthesis-crystallizations. In addition, there are bibliographic productions that give us information that, when gathered, help to provoke reflections and find research signals. This information is not always concepts or theories, but as data, as a bibliographic record, it makes up the web of information that we obtain from the 'speech of the other'. Records and systematization of these conversations with other beings are necessary.

In operational terms, the researcher must recognize the plot of the theoretical-conceptual-bibliographic tracks and organize their systematization. This involves opening folders with a summary word of the track, where base texts found will be archived, texts produced from the readings of these base texts, demonstrative tables that expose the correlation between theories, concepts, authors, data bibliographies found. The secret is always care with systematization. It's no use reading a lot of texts, just. It is necessary to reflect and organize what is being read and create drawings, cognitive matrices that demonstrate the relationship between them. These drawings can be linear demonstrative pictures (as long as the researcher understands that everything is fluid, transmuting, alive and that, in this sense, it can be revised at any time). They can also be more creative and complex designs, such as fractal expressions, which demonstrate the epistemological coherence between the assumption of complexity, the plot dimension and expressiveness. It depends on the possibility of creating these figures and also on the desire to communicate with different audiences. I see no problem using some elements of linearity to establish 'conversation bridges' with researchers from other paradigmatic views.

Production Plant Trail – here we have the synthesis of the pulse of research, in productions resulting from approximations and investigative actions. In an approximation with traditional language, I can say that, at the Production Plant, we chose the research procedures, decided how to operationalize the use of these procedures, considering previous studies, the history of these procedures themselves and the coherence of coupling with the demands of the trails investigations resulting from the 'intertwined nodes', the 'sub-themes' of the research, also here to use a term that dialogues with the traditional language.

I have been working with the Production Plant division on approaches and investigative actions. Approaches are preliminary actions, meeting the investigated universe 'with an open heart', without major assumptions, except for the sensitive work, constant recognition of the researcher's subjective personal knowledge and their interweavings. In other words, each and

every approximation is decided 'in the process', mixing the initial clues of the researchers' knowledge, the interweaving with the theoretical-conceptual-bibliographical knowledge and, of course, the intuitive dimension of the research, which cuts across all tracks.

The logic here is that the researcher goes *in locus*, for the operational dimension of the research, choosing some 'possible actions', even if it is still in an initial phase. Approaches, then, are research activities, ways of approaching the universe, to help think, reflect, feel, know deeply. They can be carried out with traditional procedures, any of them, quantitative or qualitative, or they can be triggered from procedures created especially for ongoing research, consistent with the singularities of the investigated universes. In Investigative actions, on the other hand, are also procedures, which follow the same logic of using traditional procedures and created especially for research, but are decided already at a moment of certain maturation of the course of the investigation in which the flow of the research waters between the specific objectives and the actions necessary for them to be achieved is more clearly glimpsed. They are often the result of approximations, some of them or the confluence of several.

It is worth mentioning that investigative approaches, in Traditional Science, have been worked on as something close to surveys or pre-tests. The difference is that, in the holistic complex ecosystem view, these approximations do not go through rigorous planning, but meet the natural and spontaneous logic of a sensitive, careful, reflective, self-reflective approach, in search of the signaling clues of the threads and moorings, which demonstrate the flow nature of the investigation.

Intuitive Dimension of Research – I believe that intuition is a kind of invisible thread that sews life and research together, guiding us towards paths more related to our intimate feelings and our view of the world, as well as the phenomena we investigate. In its condition of immateriality, of spontaneous sprouting, intuition is a powerful signal, which demonstrates the confluence of research, in directions that we do not always perceive with the surface mind, with consciousness in its movement of codified systems, precisely because the configurations of consciousness, also called surface mind, are produced as a result of a long, fruitful and hard work of configuring the symbolic universe. This universe, in turn, is produced in multiple subjective couplings and with ecological niches, which configure crystallizations of values, validation criteria, concepts, prohibitions, fears, limitations. The world of intuition is freely connected with the potent universes in transmutation, without the shackles of axioms. It is, therefore, a dimension of incredible creative potential and connections with information not yet accessed by consciousness. For this very reason, every time it manifests itself, the researcher

must quickly register the idea and/or feeling, write it down, without judging (also because the judgment would be made by instances indoctrinated in the conscience, which so often prevent us from daring, from jumping, to delve deeper into the chaotic universe of research).

Rhizomatic Matrices

The Rhizomatic Matrices are a methodological systematization strategy and were created to help the researcher verify the internal coherence of the research and the inflections, the directions of the process during and after the investigation is concluded. The denomination stems from the understanding of 'matrix' as a place that generates life, which results from the proposition that matrices express the places that generate the life of the research. The rhizomatic complementation is associated with the concept of rhizome, by Deleuze and Guattari (1995), who propose the rhizome, from the transposition of the meaning of Botany, as a kind of root with irregular growth and spontaneous shoots without symmetry and regularity. In this way, the Rhizomatic Matrices are systematizations of the 'research generating places', observing the directions, the inflections in their irregularities and fluidity, in sprouts that form, constitute knots, that unfold in new flows until the confluence and formation of new nodes, which lead to new flows... until you reach new nodes, and so on. This idea is also linked to the thinking of Ylia Prigogine, who, from Chemistry, proposed the study of dissipative structures, with the recognition of confluence nodes and passing nodes.

What I perceive is that the research is also carried out at confluence nodes and passage nodes. There are points to be observed and recognized in a singular way, just as it is necessary to observe, among these nodes, coherence and logic, because they are indicators of the course of events in the investigation, sometimes surprising even the researcher. Next, I present the original image of the rhizomatic matrices, whose visuality corresponds to an aerial view of the Amazonian rivers. It took me a long time looking for this image, because I wanted something that would express that research is an investigative journey, which takes place in life dynamics, as well as the journey itself. It is a process in which the procedural, complex logic of unfolding events in a continuous dynamic of couplings and transversalization stands out. By the way, what I just said is something very close to Humberto Maturana's description of the processes of life and the self-production of living organisms, of autopoiesis and not by chance. I mean, research is a living dynamic! For this very reason, researchers often get lost, especially if they try to imprison this dynamic in dogmas and axioms.

Rhizomatic Matrices was presented as a first systematization of my reflections and strategic propositions of systematization, at the ANPTUR Seminar (BAPTISTA, 2017). Later, they were published in a book chapter in India (BAPTISTA, 2020) and have been part of many studies carried out by the research group Amorcomtur! Study Group on Communication, Tourism, Love and Autopoiesis, but not only. Researchers from different areas have sought matrices to organize and systematize their research, as a device for simultaneously producing and verifying coherence and internal logic. This is the case, for example, of a Master's thesis in Letters, produced for the Graduate Program in Letters and Culture, at the University of Caxias do Sul, for which I supervised the text (STOCKMANS, 2022).

In the Figure below, there is the visual expression of the Rhizomatic Matrices, with the main matrix, which later unfolds in the others.

Figure 1 – Original matrices are from June 6, 2017 – always in process!⁴

Matriz 1: Verificação do 'Equilíbrio Fluente' da Narrativa da Pesquisa				
Título	Objeto de estudo	Objetivo geral	Objetivos específicos	Questão-Problema?

Matriz 2: Trama das Trilhas Teóricas - Equilíbrio Fluente das Teorias da Pesquisa				
Objetivo geral	Objetivos específicos	Trilhas teóricas	Autores para cada trilha	Capítulos da dissertação/tese

Matriz 3: Trilhas da 'Viagem em Ação' - Equilíbrio Fluente das Ações Investigativas			
Objetivo geral	Objetivos específicos	Aproximações e ações investigativas	Capítulos da dissertação/tese

Source: Prepared by the authors

The original proposal for Matrices proposed a composition with three matrices, as shown in the next figure.

⁴ Translation:

Matrix 1 – Verification of the Fluent Balance of the Research Narrative

Categories: Title; Study object; Main goal; Specific objectives; Problem

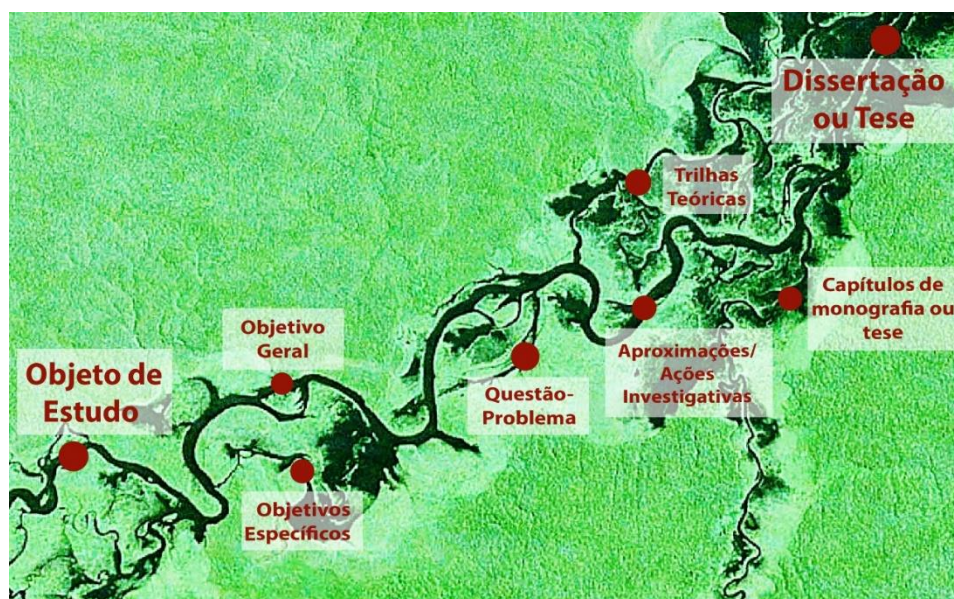
Matrix 2 – Theoretical Trails: Fluent equilibrium of research theories

Categories: Main goal; Specific objectives; Theoretical trails; Authors; Chapters

Matrix 3 – Trails of the Travel in Action – Fluent Equilibrium of Investigative Actions

Categories: Main goal; Specific objectives; Approaches and investigative actions; Chapters.

Figure 2 – Original Matrices: the 3 great *phylum*⁵



Source: Prepared by the authors

In this text, I present the revision of the matrices, with the unfolding in one more of them. There is also an adjustment in the titles, with a view to increasing the readability of each matrix and, thus, contributing to a greater number of people, in their operational research practices, and not just to those initiated into the epistemological-theoretical biases of Amorcomtur!. The first Rhizomatic Matrix is now called: Weaves and Rhizomes – Research Coherence Verification. This Matrix is directly related to the first track of the Cartography of Knowledge, because it derives from the research's 'intertwining knots', which are the core meanings for the composition of each of the items presented, starting with the focus or design of the research, with the consequent drift of the others.

The focus of study is, in itself, a web of meaning and a rhizomatic narrative proposition, as it proposes knowledge of the complexity of a web-phenomenon and signals the general narrative of the investigation, which is rhizomatic, derivative and dissipative. Its identification stems from the researcher's personal trajectory and is justified by the importance for other subjects – universes of investigation, groups of subjects and organizations, places – localities, cities, regions, countries, planet.

⁵ Translation (from left to right): Study object; Main goal; Specific objectives; Problem; Approaches/Investigative Actions; Theoretical Tracks; Chapters; Dissertation or Thesis.

Chart 1 – Matrix 1: weaves and rhizomes. Verification of research coherence

Title	Focus or Study Outline	Main goal	Question of research	Specific objectives (4 to 5)	Chapters
insert the title	Insert here the summary phrase, which represents the subject to be researched (maximum 3 lines).	<p>Insert the General Objective here, which must be written starting with a verb in the infinitive followed by the focus of study.</p> <p>Maximum attention to the verb to be used, because it signals the general orientation of the research and the mode of investigation.</p>	<p>Insert the research question here, composed of 'question coupling+ study focus'.</p> <p>Please note that this question cannot be answered with 'yes or no'.</p> <p>It is the big key to the final remarks</p>	<p>Insert specific objectives here.</p> <p>They should only be an unfolding of the general objective and the research question.</p> <p>Do not confuse specific objectives with procedures, with what needs to be done in the research.</p> <p>Remember that specific objectives carry chapter weight.</p> <p>They have a direct correspondence with the 'intertwined nodes' of the search. Each weaving node corresponds to a specific goal.</p> <ul style="list-style-type: none"> • xxxxxxxx • xxxxxxxxxxxxxx 	<p>1. INTRODUCTION</p> <p>2. METHODOLOGICAL STRATEGIES AND RESEARCH PATHWAY</p> <p>3. CHAPTER OF DEVELOPMENT</p> <p>4. CHAPTER OF DEVELOPMENT</p> <p>5.</p> <p>6. FINAL REMARKS</p> <p>[NOTE: the chapters must be written in line with the respective specific objectives]</p>

Source: Prepared by the authors

The next Matrix proposes the verification of correspondence between the 'nodes' of the research, the objectives and the chapters and subchapters.

Chart 2 – Matrix 2: detailing of the rhizome. Relationship 'intertwining nodes', objectives, chapters and subchapters

'Intertwining Nodes' of Research	Main goal	Specific objectives	Chapters and Subchapters
List here the words or expressions that match the 'search nodes'.	Write the overall goal.	Write here the specific objectives. Each survey 'node' must correspond to a specific objective.	Write here, in line with the specific objectives, the summary of the work, with the chapters and subchapters.

Source: Prepared by the authors

The next Rhizomatic Matrix addresses the theoretical-conceptual-bibliographical tracks. Theoretical trails are the general approaches, which group authors or which signal paths of thought. Examples: Sociology of absences, Human Geography, Marxism. They may be associated with concepts, which are sort of crystallizations, in a word or expression, of core meanings of your research, the so-called 'research nodes', which, because they do not exist in isolation, are also called here 'intertwined nodes'.

Chart 3 – Matrix 3: Composition. Theoretical-conceptual-bibliographic plot of the research [Theoretical-Conceptual-Bibliographic Plot Trail of Cartography of Knowledge]

Main goal	Specific objectives	Theoretical-Conceptual-Bibliographic Trails	Authors	Chapters and Subchapters
Write the General Purpose.	Write the specific goals.	Write the name of the theories, concepts or keywords of the bibliographic data, always in line with the respective specific objectives. Not all goals are theoretical. When not, indicate only with a dash. [-----]	List here, aligned, authors related to the chosen theories or authors of some text that exists on this theme and that make up the bibliographical plot found and worked on. It should be remembered that some objectives, even if they are not theoretical, may have authors of texts that subsidize the discussion. These authors will be listed here, to help you visualize who you have as a reflective partner.	Write here chapters and subchapters in line with the other items.

Source: Prepared by the authors

The next Rhizomatic Matrix is also fundamental. This is the verification of coherence in the operational dimension of the investigation. It is called Operational Coherence and Research Dynamics – Chapters. Corresponds to the Trail Production Plant or Plot of Makings of Cartography of Knowledge. When carrying out the research, it is worth remembering that the investigation procedures are always multiple, and may be related to elements of materiality

and immateriality. Considering the complex approach, there are procedural interactions that involve subtle and complex levels of interaction with sources.

Chart 4 – Matrix 4: operational coherence and research dynamics. Chapters [Production Plant Trail or Plot of the Making of Cartography of Knowledge]

Specific objectives	Research Locus [Ecosystem/ Universe Under study]	Search sources [Places, Subjects, Materials, Documents, Bibliography]	Approaches and Investigative Actions [Research Procedures - Collection and Processing]	Resources of Presentation/ Description and Reflective Treatment/Analysis [Procedures and Description and Analytical Reflection]	Chapters and Subchapters
		Submit in Topics. Sources can be PLACES (cities, squares, forests, rivers, mountains, neighborhoods, public and private organizations, etc.) SUBJECTS - research subject - research subjects MATERIALS (photos, videos, websites, blogs, social networks, objects, letters, narratives, objects, etc.) DOCUMENTS EVENTS BIBLIOGRAPHY	Present in Topics and in alignment with font types.	List, in alignment with the previous items, the resources and strategies for data presentation, description, narrative, etc., as well as the analytical reflection strategies for the data.	List, in order and aligned, the chapters and subchapters.

Source: Prepared by the authors

Matrices in Action

In this item, I present an example of filled Rhizomatic Matrices, as a way to demonstrate the result of the entire operation. The matrices were completed by the Master Researcher in Tourism and Hospitality. For the purposes of this text, an adaptation was made, with a view to the didactic character and to facilitate the visualization of the result of using the new rhizomatic matrices (always in process, now dated in May 2022).

Chart 5 – Matrix 1: Weaves and rhizomes. Verification of research coherence

Title	Focus or Study Outline	Main goal	Question of research	Specific objectives (4 to 5)	Chapters
<p>'WHAT DO THOSE WHO DO NOT LIVE FROM THE SEA LIVE ON?'</p> <p>Tourism 'Repuxo' flags in Torres/RS, from conversations with residents.</p>	<p>Signals of 'Repuxo' of Tourism in Torres/RS, from conversations with residents.</p>	<p>Propose tourism 'Repuxo' flags in Torres/RS, based on conversations with residents.</p>	<p>What 'Repuxo' indicators of Tourism in Torres/RS can be proposed, based on conversations with residents?</p>	<ul style="list-style-type: none"> • Present the 'Repuxo' Tourism proposal, in relation to tourist knowledge and activities. • Mapping Torres in its ecosystemic dimension. • Produce narratives about Towers, built by hand, in 'conversations' with residents. • Present 'Repuxo' indicators of Tourism, based on the constructed narratives. 	<p>1 INTRODUCTION: FIRST SPRINKLES</p> <p>2 INVESTIGATIVE (DIS)PATHS BETWEEN THE WAVE AND THE REPUXO</p> <p>3 TOURISM <i>REPUXO</i></p> <p>4 TOWARDS TORRES/RS</p> <p>5 NARRATIVES AND CONVERSATIONS WITH RESIDENTS OF TORRES/RS</p> <p>6 'WHAT DO THOSE WHO DO NOT LIVE FROM THE SEA LIVE ON?'</p> <p>7 REFLECTIONS AFTER THE MEETING BETWEEN THE SEA AND THE REPUXO</p>

Source: Prepared by the authors

Chart 6 – Matrix 2: detailing of the rhizome. Relationship 'we intertwine', objectives, chapters and subchapters

“Intertwining nodes’ of Research	Main goal	Specific objectives	Chapters and Subchapters
<ul style="list-style-type: none"> • Tourism • Repuxo of Tourism • Torres/RS • Residents • Conversation' 	Propose tourism 'Repuxo' flags in Torres/RS, based on conversations with residents.		1 INTRODUCTION: FIRST SPRINKLES 2 INVESTIGATIVE (DIS)PATHS BETWEEN THE WAVE AND THE REPUXO 2.1 CARTOGRAPHY OF KNOWLEDGE 2.2 ARTISAN NARRATIVES
		Present the proposal 'Repuxo' of Tourism, in relation to tourist knowledge and practices.	3 TOURISM REPUXO 3.1 TOURISM REFLECTIVE METAPHOR 'REPUBLIC' 3.2 HISTORICAL RESCUE ON TOURISM 3.3 TOURISM-ECOSYSTEM FRAME
		Mapping Torres in its ecosystemic dimension.	4 TOWARDS TORRES/RS 4.1 INTERNATIONAL BALLOON FESTIVAL
		Produce narratives about Torres, built by hand, in conversation with residents	5 NARRATIVES AND CONVERSATIONS WITH RESIDENTS OF TORRES/RS 5.1 AMELIA - 'THE SIDE COMES AND GOES' 5.2 JOSEFA - 'BETWEEN THE REPUXO AND THE WAVE' 5.3 JOÃO - 'IN LOVE WITH TORRES' 5.4 CARLOS - 'MORADOR PASSARINHO' 5.5 ERNESTO - 'ROUND MAN' 5.6 DALVA - 'IN THE TRANQUILITY OF THE SPOUT' 5.7 LURDES - 'RESIDENT OF BEIRADAS' 5.8 MARIA - 'RECOGNIZING THE RESIDENTS' 5.9 RITA - 'PARADISE DWELLER' 5.10 GERALDO - 'WELCOME BY THE SEA'
		Present 'Repuxo' indicators of Tourism, based on the constructed narratives.	6 'WHO DOESN'T LIVE FROM THE SEA, WHAT DOES IT LIVE FROM?' 6.1 FLAG 1: TOURISM ECOSYSTEM PLANNING 6.2 SIGNAL 2: INTERIOR CULTURE AS A TOURIST POWER OF THE PLACE 6.3 SIGN 3: CONSTRUCTIONS AND (DE)CONSTRUCTIONS ARCHITECTURAL HISTORY OF THE PLACE

			6.4 SIGNAL 4: ECOSYSTEM CONNECTIONS WITH THE ENVIRONMENT 6.5 SIGNAL 5: LOVING INTERLACES OF PLACE, RESIDENTS AND TOURISTS 6.6 CONSEQUENCES FROM THE COVID-19 PANDEMIC WAVE
			7 REFLECTIONS AFTER THE MEETING BETWEEN THE SEA AND THE REPUXO

Source: Prepared by the authors

Chart 7 – Matrix 3: Composition. Theoretical-conceptual-bibliographic plot of the research [Theoretical-Conceptual-Bibliographic Plot Trail of Cartography of Knowledge]

Main goal	Specific objectives	Theoretical-Conceptual-Bibliographic Trails	Authors	Chapters and Subchapters
Propose tourism 'Repuxo' flags in Torres/RS, based on conversations with residents.	-----	-----	-----	1 INTRODUCTION: FIRST SPRINKLES
	-----	Science	- Fritjof Capra - Edgar Morin - Roberto Crema - Boaventura de Sousa Santos	2 INVESTIGATIVE (DIS)PATHS BETWEEN THE WAVE AND THE REPUXO
		Qualitative research	- Maria Cecilia de Souza Minayo - Mirian Goldenberg - Uwe Flick	
		Cartography of Knowledge	- Maria Luiza Cardinale Baptista - Suely Rolnik	
	-----	Artisan Narratives	- Jennifer Bauer Eme - Maria Luiza Cardinale Baptista - Cremilda Medina - Ciro Marcondes Filho - Muniz Sodré - Edvaldo Pereira Lima - Boaventura de Sousa Santos - Michel de Certeau - Humberto Maturana	2.1 CARTOGRAPHY OF KNOWLEDGE 2.2 ARTISAN NARRATIVES 2.2.1 Narrative Dimension 2.2.2 Craftsmanship Dimension

Present the proposal 'Repuxo' of Tourism, in relation to tourist knowledge and practices.	'Repuxo' of Tourism	- Daniel Brandt Galvao - Gilles Deleuze - Felix Guattari - Maria Luiza Cardinale Baptista - Fritjof Capra - Boaventura de Sousa Santos - Alberto Acosta - David Harvey - Eduardo Yazigi	3 TOURISM REPUXO 3.1 TOURISM REFLECTIVE METAPHOR 'REPUBLIC'
	Historical Rescue on Tourism	- Charlene Del Puerto - Jose Vicente de Andrade - Mirian Rejowski - Marutschka Martini Moesch - Mara Thomaz - Marc Boyer - Margarita Barretto	3.2 HISTORICAL RESCUE ON TOURISM
	Tourism-Weave-Ecosystem	- Maria Luiza Cardinale Baptista - Marutschka Martini Moesch - Mario Beni - Susana Gastal	3.3 TOURISM-ECOSYSTEM FRAME
Mapping Torres in its ecosystemic dimension.	Torres/RS	- Camila Eberhardt - Miriam Falcon - Leonardo Gedeon Flores - Caroline Lumertz da Luz - Ruy Ruben Ruschel	4 TOWARDS TORRES/RS 4.1 INTERNATIONAL BALLOON FESTIVAL
Produce narratives about Towers, built by hand, in conversations with residents.	-----	-----	5 NARRATIVES AND CONVERSATIONS WITH RESIDENTS OF TORRES/RS 5.1 AMELIA - 'THE SIDE COMES AND GOES' 5.2 JOSEFA - 'BETWEEN THE REPUXOS AND THE WAVE' 5.3 JOÃO - 'IN LOVE WITH TORRES' 5.4 CARLOS - 'MORADOR PASSARINHO' 5.5 ERNESTO - 'ROUND MAN' 5.6 DALVA - 'IN THE TRANQUILITY OF THE SPOUT' 5.7 LURDES - 'RESIDENT OF BEIRADAS'

				5.8 MARIA - 'RECOGNIZING THE RESIDENTS' 5.9 RITA - 'PARADISE DWELLER' 5.10 GERALDO - 'WELCOME BY THE SEA'
	Present 'Repuxo' indicators of Tourism, based on the constructed narratives.	-----	-----	6 'WHO DOESN'T LIVE FROM THE SEA, WHAT DOES IT LIVE FROM?' 6.1 FLAG 1: TOURISM ECOSYSTEM PLANNING 6.2 SIGNAL 2: INTERIOR CULTURE AS A TOURIST POWER OF THE PLACE 6.3 SIGN 3: CONSTRUCTIONS AND (DE)CONSTRUCTIONS OF ARCHITECTURAL HISTORY OF THE PLACE 6.4 SIGNAL 4: ECOSYSTEM CONNECTIONS WITH THE ENVIRONMENT 6.5 SIGNAL 5: LOVING INTERLACES OF PLACE, RESIDENTS AND TOURISTS 6.6 CONSEQUENCES FROM THE COVID-19 PANDEMIC WAVE
	-----	-----	-----	7 REFLECTIONS AFTER THE MEETING BETWEEN THE SEA AND THE REPUXO

Source: Prepared by the authors

Chart 8 – Matrix 4: operational coherence and research dynamics. Chapters [Production Plant Trail or Plot of the Making of Cartography of Knowledge]

Specific objectives	Research Locus [Ecosystem/ Universe Under study]	Search sources [Places, Subjects, Materials, Documents, Bibliography]	Approaches and Investigative Actions: [Research Procedures - Collection and Processing]	Resources of Presentation/Description and Reflective Treatment/Analysis [Procedures and Description and Analytical Reflection]	Chapters and Subchapters
-----	Torres/RS	-----	-----	-----	1 INTRODUCTION: FIRST SPRINKLES
Present the proposal 'Repuxo' of Tourism, in relation to tourist knowledge and practices		- Theses and dissertations repositories. - World Tourism Organization.	Approaches: reading and recording texts with subsequent conversations in meetings with the advisor and in	Production of dissertation text on the subject.	3 TOURISM REPUXO 3.1 TOURISM REFLECTIVE METAPHOR 3.2 HISTORICAL RESCUE ON TOURISM

		<ul style="list-style-type: none"> - Ministry of Tourism. - Indexers of scientific journals: Scopus, Periódicos Capes, Scielo . - Virtual libraries. 	<p>the Chaotic Meetings of Amorcomtur !</p> <p>Actions: bibliographic cartography of material aligned with the research with analysis of title, keywords and abstract, as selection criteria.</p>		3.3 TOURISM-ECOSYSTEM FRAME
Mapping Torres/RS in its ecosystemic dimension		<ul style="list-style-type: none"> - Subjects participating in the conversations of the research. - Theses and dissertations repositories. - Brazilian Institute of Geography and Statistics. - Ministry of Tourism. - City Hall of Torres/RS - Municipal Secretariats of Torres/RS - Government of the State of Rio Grande do Sul - State Secretariats of Rio Grande do Sul - Foundation for Economics and Statistics of 	<p>Approaches: reading and recording texts with subsequent conversations in meetings with the advisor and in the Chaotic Meetings of Amorcomtur !. Analysis of data, documents and information made available by public bodies about Torres.</p> <p>Actions: revisiting the municipality, systemic observation with recording in a research diary, production of maps and photographs, rescue of memories and production of dissertation text.</p>	Dissertation texts associated with photos and maps, with the insertion of narratives, resulting from 'conversations'.	<p>4 TOWARDS TORRES/RS</p> <p>4.1 INTERNATIONAL BALLOON FESTIVAL</p>

		<p>Rio Grande do Sul - North Coast Regional Development Council - Support Service for Micro and Small Companies in Rio Grande do Sul. - Indexers of scientific journals: Scopus, Periódicos Capes, Scielo. - Virtual libraries.</p>			
Producing handcrafted narratives about Torres/RS from conversations with residents		<p>- Subjects participating in the conversations of the research.</p>	<p>Approaches: informal conversations with residents and tourists with the production of a research diary and production of photographs about the place.</p> <p>Actions: carrying out conversations with city residents. Production of narratives, based on conversations</p>	<p>Essay text with insertions of 'craftsman narratives', resulting from conversations.</p>	<p>5 NARRATIVES AND CONVERSATIONS WITH RESIDENTS OF TORRES/RS 5.1 AMELIA - 'THE SIDE COMES AND GOES' 5.2 JOSEFA - 'BETWEEN THE REPUXO AND THE WAVE' 5.3 JOÃO - 'IN LOVE WITH TORRES' 5.4 CARLOS - 'MORADOR PASSARINHO' 5.5 ERNESTO - 'ROUND MAN' 5.6 DALVA - 'IN THE TRANQUILITY OF THE SPOUT' 5.7 LURDES - 'RESIDENT OF BEIRADAS' 5.8 MARIA - 'RECOGNIZING THE RESIDENTS' 5.9 RITA - 'PARADISE DWELLER' 5.10 GERALDO - 'WELCOME BY THE SEA'</p>

<p>Present 'Repuxo' indicators of Tourism, based on the constructed narratives.</p>		<ul style="list-style-type: none"> - Subjects participating in the conversations of the research. - Theses and dissertations repositories. - Indexers of scientific journals: Scopus, Periódicos Capes, Scielo. - Virtual libraries. - World Health Organization. 	<p>Actions: Systematization of collected data, description, production of dissertation text, presenting conversations between field data and theoretical framework.</p>	<p>Production of summary tables with residents' speeches and reflection with the theoretical-conceptual trails.</p>	<p>6 'WHO DOESN'T LIVE FROM THE SEA, WHAT DOES IT LIVE FROM?' 6.1 FLAG 1: TOURISM ECOSYSTEM PLANNING 6.2 SIGNAL 2: INTERIOR CULTURE AS A TOURIST POWER OF THE PLACE 6.3 SIGN 3: CONSTRUCTIONS AND (DE)CONSTRUCTIONS OF ARCHITECTURAL HISTORY OF THE PLACE 6.4 SIGNAL 4: ECOSYSTEM CONNECTIONS WITH THE ENVIRONMENT 6.5 SIGNAL 5: LOVING INTERLACES OF PLACE, RESIDENTS AND TOURISTS 6.6 'SPLASTERS' FROM THE COVID-19 PANDEMIC WAVE</p>
<p>-----</p>		<p>-----</p>	<p>-----</p>	<p>-----</p>	<p>7 REFLECTIONS AFTER THE MEETING BETWEEN THE SEA AND THE REPUXO</p>

Source: Prepared by the authors

Inconclusive Rhizomatic Becomings

I hope it is clear in this text that the logic that guides the production of science in which I believe is procedural, dynamic, derivative, dissipative, rhizomatic, *chaosmotic*, constant, of production in a continuous present, in coupling with the multiple existential ecosystems of researchers and other subjects involved. Thus, and for this very reason, there are no peremptory outcomes, only recursive reflections, in relation to what has been produced, with the intention of signaling, in short, the journey up to this point.

After everything (of life!) and after the text, I reiterate the intention to contribute with researchers, beginners or experienced, in the sense of offering openings for poetic and technical-operational immersion, in the investigative journeys of their dreams, their desires, with the Cartography of Knowledge. The invitation is to recognize oneself as a research subject, authorize oneself to be the author of one's own text in life and in the investigation and, at the same time, walk the paths always in love, that is, guided by the ethics of relationship and care, with research partners, with all places and subjects, the ecosystem and the multiple forms of life, in a logic of multispecies coexistence.

With Rhizomatic Matrices, I try to offer resources to 'not get lost', at least not more than the natural and constructive dimension of spontaneous, creative immersions, in which we let go in new paths, to discover them. There comes a time, however, when we need to look at the path, recognize and separate belongings and treasures found and build a travel narrative that is a kind of 'enchanted synthesis of universes in transmutation', that is, the knowledge produced in the research. Varela (1992), Maturana's partner, teaches us that knowledge is 'enaction', which I always translate into knowledge what puts us 'in action'. Thus, I think that Cartography of Knowledge and Rhizomatic Matrices can help researchers to be 'in action' with new knowledge, in the production of a Lovingly Ethical Science for the New World, therefore learning and helping other beings to also manage new ways of 'survival'. So, understanding that it is possible to respond with strength, firmness, poetry and joy to the question that has guided my life: "what is the reason for our existence?"

About the rhizomatic becomings, what is already being gestated will come: a sprouting of sequences detailing the rhizomes of the matrices and the operationalization of the Cartography of Knowledge. So... see you on the next 'curve of the Amazonian rivers of the Rhizomatic Matrices and Cartography of Knowledge'!

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