

BLACKMARKET FOR USEFUL KNOWLEDGE

AND NON KNOWLEDGE Nr.19, Paris

----ADAPTATION

Marcel Courthiade

Lessons in adaptation - on the twisted history of the Rromani people in Europe (FR, EN, SQ, BS)

Over and over since they left India 1000 years ago, Rromanies have managed to adapt remarkably well to changing circumstances, cultures and religions; quite in contrast to the prevalent stereotypes circulating about them until today.

Marcel Courthiade is head of the section Rromani language and culture at the National institute of Oriental Languages and Civilizations (l'inalco). He works on reconstituting the European dimension of the Rromani language and culture.

Alain Della Negra and Kaori Kinoshita

Puppet lovers - living in a society without women (FR, JP)

Imagine you are living in a world without women. Introducing their current documentary project, the filmmakers take you in contemporary Japan, into a microcosm that is fantastical and real at the same time.

Alain Della Negra & Kaori Kinoshita are documentary film makers. For over a decade, they have been working together, exploring the relationships between personal identity and avatars, virtual characters, masks and disguises, looking to find possible scenarios that inevitably arise from these encounters.

Marie-Hélène Moncel

Adaptation or death: resilience of the prehistoric hominids (FR, EN)

The survival of our ancestors, different groups of hominids, was a result of their reactivity and flexibility towards climate changes. Here is an optimistic view relying on prehistoric proofs on our potential for survival in the era of the Anthropocene.

Marie-Hélène Moncel is a director of research at the CNRS in the Institute for Human Paleontology of the National Museum of Natural History. Her work focuses on the first human settlements, the occupation of territories and the technical behaviors of the populations.

Sylvie Teveny

Silaup uqquusivallianinga - the right to coldness! Inuit confronted with global warming (FR)

Inuit are directly affected by the decrease in sea ice that constitutes their hunting ground. Hunting and fishing techniques are abandoned. The transmission of traditional knowledge becomes difficult. How do they adapt?

Sylvie Teveny, an ethnologist trained in Inuit culture and language at the National Institute for Oriental Languages and Civilizations (l'INALCO), led several research missions in the Canadian Arctic. For more than fifteen years, she has been the director of the Association "Inuksuk", the Inuit cultural center of Paris.

-----"ANTHROPOCENE"

Evelyne Heyer

Who will we be? A guided tour to the future of Humankind (FR, EN)

Evelyne Heyer introduces and discusses the newly remade permanent exhibition of the Musée de l'Homme in the light of the Anthropocene.

Evelyne Heyer is a professor of anthropological genetics at the National Museum of Natural History. She works on the interaction between culture and biology in the evolution of Humankind. Besides her research, she is now scientific general commissioner for the renovated Musée de l'Homme.

Catherine Larrère

What is it about the Anthropocene anyway? Implications and potentials of a hybrid concept (FR, EN)

The debate about the term Anthropocene and its implications takes place in many different conversations, arouses strong emotions, and leads to many (mis)understandings. The concept represents a big challenge, but also a great opportunity.

Catherine Larrère is an emeritus professor at the University of Paris-Sorbonne. She specializes in moral and political philosophy. She focuses on political and ethical questions in relation with the environmental crisis and new technologies. She is the president of the Foundation for Political Ecology (FEP).

Catitu Tayassu

Which Anthro(s)cene are we talking about? (FR, PT)

Two ways of speaking, two ways of writing or rather two currents of thought – at the crossroad, the intersection, in contradiction or opposition with the human – about this vast universe where the Earth is a mere planet in the galaxy of the cosmic suburbs.

Catitu Tayassu is an Afro-American-Indian originating from Brazil. She studied education sciences and holds a PhD in history, cultural history and anthropology. She is a research fellow at the Federal University of Rio de Janeiro.

-----APOCALYPTIC REASON

Yoann Moreau

The catastrophe and the catastrophic - a critique of apocalyptic reason (FR)

How to counter "climate indolence"? For Yoann Moreau, climate change and cultural change are inseparably linked, and catastrophes bear a great potential for a radical reform. But rather than

taking them seriously, we keep on playing on the catastrophic: an end-of-the-worldism that is good to sell but of no consequence.

Yoann Moreau is an anthropologist, researcher at the EHESS (school of higher studies in social sciences), at the Interdisciplinary Institute of Contemporary Anthropology. Specialist in the fields of disasters, modes of objectification of knowledge and the study of environments (mesology), he did some field research in the Brazilian Amazon and Japan.

____ARTIFICIAL INTELLIGENCE

Marie Lechner **Bot or not? (FR)**

Bots are the "shadow army" of the Internet. These autonomous agents index information on the web, edit Wikipedia articles, find the best deals, gather in online games, but can also manipulate opinions and provoke crashes. What is this new species that lives with us in the techno-natural world that is the anthropocene?

Marie Lechner is a journalist, researcher in media archeology and bot-anist in the collective academic and artistic research project "Média Mediums".

____CHILDREN'S BOOKS

Judith Boon **A retelling of Christophe Galfard's novel The Prince of Clouds (FR)**

This novel tells the story of a village that is built on clouds. The protagonist Tristam and his best friend will have to travel the sky in order to understand how the weather works and prevent the Lord of the Kingdom of Clouds from turning the Earth's climate into a weapon of war.

Judith Boon is a schoolgirl. She enjoys reading and may want to become a doctor. Christophe Galfard, the author, holds a PhD in Theoretical Physics. He worked on black holes and the origins of the universe before writing award winning children's novels.

Rachel Easterman-Ulmann **Nils Holgersson: From the sky on the anthropocene (FR)**

In order to be able to tell the (his)story of the nature and culture of Sweden, Selma Lagerlöf shrunk her hero to the size of a dwarf, and expanded his vision by putting him on the back of a goose. Using a deck of cards with text excerpts and illustrations, Rachel Easterman-Ulmann retells key passages and ideas of the world-famous children's book.

Rachel Easterman-Ulmann is a visual artist and writer. Her videos, installations and photographic work focus on human evolution in the world as perceived by the senses. Currently, she is working on a children's book entitled Des histoires de lapins qui racontent des histoires de carottes (Tales of rabbits telling stories of carrots), that deals with plural loves, queer issues and ecofeminism.

Émilie Notéris **Alice in the Anthropocene (FR)**

By retelling stories of the world-famous book Alice in Wonderland in the light of the Anthropocene, Émilie Notéris proposes to rescale Earth perception and feelings through the lens of analytical philosophy.

Émilie Notéris is a text worker living in Paris. Currently, she is preparing a book about feminism, science fiction and queer theory and working on the translation of a collection of ecofeminists' texts for Cambourakis editions.

____CLIMATE INEQUALITIES

Razmig Keucheyan

Are we all equal in the ecological crisis? Environmental inequalities in France and elsewhere (FR, EN, ESP)

Which areas of the city face the highest grade of air pollution? Where will the refuse incinerator and the recycling plant be erected and why? Razmig Keucheyan takes you on a tour of climate inequalities and racism, starting at home.

Razmig Keucheyan is a sociologist, political activist and a lecturer at the University of Paris-Sorbonne. He works on the links between ecological crisis, inequalities, and political conflicts. He regularly publishes radical think-pieces in French and English newspapers such as Liberation or The Guardian.

Vaia Tuuhia

Success in the fight against climate change is possible: how can the most vulnerable ones tell us this story? (FR)

How to fulfil one's personal life in a world that has started to change course after successful climate negotiations? Vaia Tuuhia discusses the possibility of actions to enable also the most vulnerable ones - the poor and those living in remote areas - to **master their own destiny**.

Vaia Tuuhia, who has French Polynesian origins, is the managing director of the association 4D that operates within institutions, at an international and local level, with the aim to foster collective solutions to climate negotiations, territorial practices and civic movements.

____CONCRETE UTOPIAS

Mathieu Baudin

The Art of imagining the future: a futurologist's approach (FR)

The future is already there, we just don't see it yet. Matthieu Baudin guides us so we can project ourselves in 2040 - a time close enough that most of us will probably still be here, and far enough to expect major changes.

Mathieu Baudin is an historian and futurologist, CEO of the Institute for Desirable Futures, Paris. Accompanied by a team of a hundred experts and artists, he organizes and conducts intellectual explorations aiming to achieve a better navigation and projection into the future.

Yona Friedman

No Title, 2015 (FR, EN)

The animation film No Title, especially made for this Blackmarket, questions the philosophy of Earthlings in relation to their natural and built environment. Its screening leads to a telephone conversation with Yona Friedman.

Since the middle of the twentieth century, Yona Friedman, architect and visionary artist, has been developing his concept of a "mobile architecture", according to which dwellings and urban planning have to be thought organically, as moving and improvised forms of architectures, modelled on unpredictable future uses.

Ashkan Sepahvand

As though its body were by love possessed: speculative organology design for sensualizing consciousness (EN)

How can we (re)learn how to feel? Presenting fictional design materials from his on-going science-fiction research project "Mountgrove", Ashkan Sepahvand speculates on how the pleasure-imagination industry aims to produce the future of the species vis-à-vis a range of theoretical "sex toys".

Ashkan Sepahvand is a writer, editor, and researcher based in Berlin. His current work engages with celebration cultures, labor and leisure, the future of capital and the ecstasy of becoming human. From 2012 to 2014, he was a Research Fellow for The Anthropocene Project at Haus der Kulturen der Welt, Berlin.

___DECOLONIZATION

Seloua Luste Boulbina

Having a monkey on your back (body, race and racialization) (FR)

In the not-so-far beginnings of Western modern society, the anatomy of the white body entered science and the anatomy of the black body entered the cabinet of curiosities. Talking about hair and skin as signifiers of a constructed difference, Seloua Luste Boulbina wonders how far we have come in terms of decolonizing our perceptions.

Seloua Luste Boulbina is a French-Algerian philosopher, director of the program "Decolonizing Knowledge" at the Collège international de philosophie and associate researcher at the Laboratory of social and political change at the University Paris-Diderot.

Françoise Vergès

Anthropocapitalocene - colonial politics of our times (FR, EN)

The "longue durée" of the Anthropocene includes the colonial period, with its mobilization and exploitation of resources – raw materials, plants, animals, slaves – on a large, global scale. Françoise Vergès wonders how we can overcome this colonial heritage still very much alive in the euro-centrism of today's environmental politics.

Françoise Vergès is an author and political scientist, holding the Chair "Global South(s)" at the Collège d'études mondiales in Paris. She works with artists and filmmakers on the figure of the repressed postcolonial.

___DESIGN

Léopold Lambert

The politics of design and space: All around our bodies (FR, EN)

Architecture is a discipline that organizes bodies in space. Bodies are material
assemblages that interact with other material assemblages. In the light of the Anthropocene, we need to establish new ethical relationships. To find out where they could begin, Lambert offers an exercise in hyper-localized thinking.

Léopold Lambert is an architect, founder and editor-in-chief of The Funambulist Magazine and its podcast, Archipelago. His work, featured in several books, develops a political perspective on design, architecture and urbanism in relation to the body.

Philippe Rahm

Architecture and climate: the construction of atmospheres (FR, EN)

What if different parameters of climate were taken as architectural building blocks? If radiation, conduction, convection, pressure, evaporation and digestion were seen as elements for the design of our living spaces? Philippe Rahm extends the field of architecture from the physiological to the meteorological.

Philippe Rahm has been leading his own architecture agency in Paris since 2008. He is currently teaching at Harvard University and at the National School of Architecture in Versailles.

Kalina Raskin

Biomimeticism - innovation inspired by and for nature (FR, EN)

How will humans cope with the changing conditions of the world? Kalina Raskin introduces bio-inspiration as a way to rethink our relations to the world, to reconnect ourselves to the biosphere and to reinvent society and technology by imitating the evolutionary processes of nature.

Kalina Raskin is an engineer in physical chemistry and a biologist in charge of the scientific development of CEEBIOS, a new European center dedicated to the promotion of bio-inspiration, a place with an integrated scientific and innovative approach of this new discipline.

_____**DONNA HARAWAY**

Nathalie Magnan

At the Musée de l'Homme, the universal man vanishes in the light of Donna Haraway's writings (FR)

From cyberfeminism to animal studies, to critical readings of the Anthropocene – the American theoretician of science Donna Haraway is one of today's most important thinkers, with a radically new take on nature, culture, and technology. Nathalie Magnan invites us to discuss with her some of Haraway's key terms and concepts.

Nathalie Magnan, media theorist, feminist, and professor at the École nationale supérieure d'art de Bourges, has translated key texts of Donna Haraway and introduced her thinking in France.

_____**EARTH**

Ingrid Paola Amaro

Your garden is my soil (FR, ES)

Whether you refer to plants as nature or as culture is a matter of perspective. Ingrid Paola Amaro invites you to take a stroll in the garden and to perceive its soil in another way – like layers of our story, of our community.

Ingrid Paola Amaro is a multidisciplinary artist and landscape architect who engages in the age-old, or even magical techniques of urban gardeners. She has recently created the "Floral Prevention Office", and is the coordinator of "La Semeuse, a platform for urban biodiversity" at the Laboratoires d'Aubervilliers.

Bruno Latour

How come the Vatican calls the Earth "Our Sister"? (FR, EN)

Most older cultures and religions referred to Earth as Mother (an animist tradition vivid until today in our everyday language). Monotheism established a rather distant relationship to the Earth as a whole, concentrating more on its creatures and their relations to humans. But this seems to have changed with the latest encyclical of pope Francis *Laudato si'*.

Bruno Latour is a sociologist, philosopher and anthropologist, director of the Science Po medialab and responsible for the program "Expérimentation en Arts Politiques" (SPEAP). His current publication *Face à Gaia. Huit conférences sur le nouveau régime climatique* has just been published at La Découverte.

____EVOLUTION

Guillaume Lecointre

Are we part of Nature? Challenges from the tree of life (FR)

Since the days of Lamarck, we have been accustomed to models of evolution in the shape of trees, that imply a development from "lower" to "higher" forms. How can we think evolution in a different way?

Guillaume Lecointre is a biologist and systematist, director of the research department "Systematics and Evolution" at the Muséum national d'Histoire Naturelle. He is especially interested in methodological, epistemological and pedagogical issues of species classifications.

____FINANCE

Pierre Ducret

The capital market is part of the problem but also part of the solution (FR)

Moral forces and radical, alternative lifestyles are an important part of the ecological movement, but they won't be sufficient. Drawing on his experience as an economist and bank manager, Pierre Ducret is convinced that we also need to rely on finance, industry and competition if we want to move the masses and change the world.

Pierre Ducret is a special advisor for climate change and COP21 of Caisse des Dépôts Group, chair of I4CE, Institute for Climate Economics. Having been committed for a long time to sustainable development, he works on ways to shift the financial sector and the capital in favor of climate.

____FOOD

Nadim Ghodbane

From compassion to love, a spiritual path to vegetarianism (FR)

Sufism encourages compassion, love for the other and humbleness. Vegetarianism can be seen as an act of compassion towards the animals. How is it possible to change habits within a religious community, but also for the generations to come?

Nadim Ghodbane is an ecology activist who has taken part in several ecological associations for a long time. He also initiated the first Islamic ecological conference. He is a practicing Muslim in the Sufi tradition.

Anahita Grisoni

Is health allowed to be natural? Amateur knowledge on food and preventive healthcare (FR, IT, ES, FA)

Hardly any field of our daily lives is as strictly guarded and governed by experts as health. The struggle between modern Western medicine and alternative forms of medicine is a cultural battleground.

Anahita Grisoni is a sociologist and urban planner associated to the research program "Environment, Ville et Société" in Lyon. Her work focuses on contemporary social movements and the construction of political ecology.

Jennifer Teets

The contingency of cheese - goat milk, metabolic processes and matter in flux (FR, EN, ES)

A storm traumatizes the goats of a region of France, causing a disease that makes their digestive systems black and that is passed on to the next generation. How does this affect the quality of their milk? And how can we deal with a goat's psychosomatic disorder?

Jennifer Teets is a researcher, curator and performer based in Paris. She is known for her research on cheese, mud, and terra-sigillata – their transitioning towards materiality and entity and their ability to become something else when put in an exhibition or an essay.

____IMAGINEERING

Sebastian Grevsmühl

A Political History of "Spaceship Earth": from Cold War to geoengineering (FR, EN, DE)

The beauty and vulnerability of the Earth as it is drifting through space have always been emphasized by those who have seen it from outer space. Back on earth, this image carries an additional set of meanings: power, control and manageability.

Sebastian Grevsmühl is a researcher in science and environmental history at the university Pierre et Marie Curie, specializing in the study of visual cultures and metaphors in science. He holds that the metaphorical reimagining of our planet as a "Spaceship Earth" was of doubtful utility to the environmental movement.

____INDIGENOUS TRADITIONS

Irène Bellier

Indigenous people in the world and their right to maintain their living cultures (FR, EN, ES)

Irène Bellier starts with a set of photos from her field researches and work sessions at the UN, showing delegates of indigenous people from all over the world, that look very traditional and very modern at the same time. Could they serve as role models for the future development of our modern societies?

Irène Bellier is a political anthropologist and research director at the CNRS. As a specialist of indigenous people's movements in the world, she developed comparative analyses and identified a series of crucial issues regarding cultural diversity, the right to live differently and resistance to neo-liberal capitalism.

Martin Préaud

Same land, different countries: Aboriginal organization and colonial constraints (FR, EN)

By showing two very different maps of Australia, Martin Préaud demonstrates how Western land and property rights have been imposed on a territory traditionally organized through a completely different conception of the relation between land and people.

Martin Préaud is an anthropologist and adjunct researcher at the CNRS Laboratory for the Anthropology of Institutions and Social Organizations (SOGIP). He got his PhDs at the EHESS (school for advanced studies in social sciences) and James Cook University. His research focuses on the political and cultural entanglements of colonial relationships in Indigenous Australia.

Catitu Tayassu

Towards an anthropocene of possibilities: environment and tribal traditions (FR, PT)

Can the American-Indian Shinan from the Amazon, as a way of life, exist in the anthropocene? Yes? No? Yes and no? Yes or no? And if so, why and what for?

The Tree of Life of Catitu Tayassu includes performing therapeutic care and the creation of a collective initiative for replanting seeds and the cultivation of trees (Green Consciousness).

____INVISIBLE BEINGS

Vinciane Despret

The dead reach fulfilment by forcing those who remain to take care of those who follow (FR)

How do we maintain relationships with the dead? Vinciane Despret investigates how people maintain often inventive relationships with their dead, and how human sciences try to theorize, often less inventively, these experiences.

Vinciane Despret is a philosopher and researcher at the University of Liège. For about twenty years, she has been working on animals issues and relationships with the dead.

Sigrún Úlfarsdóttir

Icelandic heritage: cohabitation with nature and its invisible beings (FR, EN, IS)

In Iceland, cohabiting with a wild and ever-changing nature has always been the key to survival. The inhabitants of Iceland have managed to preserve the respect and understanding of the invisible world within nature, its various beings and their well-being.

Sigrún Úlfarsdóttir is a fashion designer. She lives and works between Paris and Reykjavik.

-----LEAVING EARTH

Silvia Casalino

What do we need a space program? (FR, EN, IT)

Why do we continue to send astronauts on space missions when almost all the work actually is or could be done by computers? Why don't we replace them by dogs or rats? Heretical reflection from an insider.

Silvia Casalino is a space engineer and film director. She has been working as project manager at the french space agency CNES (Centre National d'Études Spatiales) in Paris since 2001. At the same time, she wrote and realized No Gravity, a queer-feminist space documentary that premiered in 2011.

Fabien Giraud

Conceptual exercise in dismantling the Earth. (FR, EN)

What would become of us if we truly left the Earth, without ever coming back? Using this speculation as a starting point, Fabien Giraud seeks to overcome a conception of the anthropocene that projects yet another set of anthropomorphisms on our environments and possible futures. He introduces to a type of thought committed to the double task of continuously dismantling and reconstructing itself.

Fabien Giraud is an artist. He is presently co-directing a series of works entitled The Unmanned which tells in reverse a non-human history of technology. He is also the co-director of "Glass Bead", a research platform and journal dedicated to the synthesis of knowledge.

Yann Minh

The meaning of life: from microcosm to macrocosms (orthogenesis and extropy) (FR)

Yann Minh holds that, despite the severity of our environmental situation, humanity continues a process that life itself has embarked on since its very beginnings. A process that stretches from microcosm to macrocosm to eventually reach the stars and diffuse in order to secure its longevity..

Since 2003, Yann Minh has been developing a work of net-art: the NøøMuseum, a virtual museum dedicated to the history and prehistory of cyberculture that spreads out its network of dematerialised galleries into cyberspace and into the noosphere.

-----MIGRATION

Hervé Le Bras

Myths of migration. A demographer's view on discourses of climate change (FR, EN)

How does migration impact on societies? This question has become very acute and will probably stay so, not only because of post-colonial developments or hostilities motivated by religion, but also in regard of climate change. Hervé Le Bras knows the numbers behind the emotionalized public debates.

Hervé Le Bras is a demographer, an historian and a research director at EHESS and the French Institute for Demographic Studies (INED). He is also a fellow of Churchill College (Cambridge). He is a well-known voice in the public debates on demography and migration who has published several books on demographic challenges, and wrote the comments of *Earth From Above: 365 Days* by Yann Arthus Bertrand.

Romain Nattier

Invasive or companion insect? About the ladybird and the notion of invasive migrants (FR, EN)

Plants and animals that spread into new territories, as a collateral effect of global commerce and transport, are commonly referred to as invasive species. Romain Nattier questions this notion and prefers to talk about a change in distribution patterns due to human activities.

Romain Nattier is an entomologist, systematist and biologist at the Muséum national d'Histoire Naturelle. His research focuses on the origins and structures of biological diversity. He is an expert in the long and short-term diversification of European species of ladybirds.

___MOLECULES

Sophie Godin-Beekmann

From the ozone hole to climate change - resemblances, differences, and interactions between two global environmental problems caused by human activities (FR, EN)

In the fight against the ozone hole, ozone destroying gases have been replaced by less destroying ones. But both have an impact on climate. Sophie Godin-Beekmann introduces us to the complex processes in the atmosphere.

Sophie Godin-Beekmann is an atmospheric physicist at the CNRS. Specialized in the study of the stratosphere and its impact on climate, she is also interested in the link between ultraviolet radiation and health problems.

Xavier Bailly

Lessons from a marine flatworm (FR, EN, IT)

Symsagittifera roscoffensis is a marine flatworm capable of regenerating its brain that lives in photosymbiosis with a microalgae, responsible for its fluorescent green color. We can learn a lot from this small animal and Xavier Bailly, who has spent years in close relationship with it, can tell us a few things about it.

Xavier Bailly is a marine biologist at Roscoff Biological Station and the Pierre and Marie Curie University. He works on the life cycles of marine models and the development of associated molecular genetic tools. His main field of research is animal photosymbioses.

Sophie Houdart

Obtaining the big through the very small. The operators at CERN between particles and cosmos (FR, EN)

The notion of field in ethnographic research is usually used to talk about social environments. Sophie Houdart's research at the CERN (European Center for Nuclear Research) focuses on fields of particles and how scientists are struggling with very very small in order to get answers for the biggest questions: the beginning of the universe, life and everything.

Sophie Houdart is an anthropologist. She works at the CNRS and is a member of the laboratory of ethnology and comparative sociology (LESC). In 2011, in the course of a collective project on

the change of scales in knowledge practices, she led an investigation on the Large Hadron Collider (LHC) at the CERN.

____MYCOLOGIES

Marc-André Selosse

Mutual benefits between organisms: the ecology of symbioses (FR, DE, EN)

Germs are team players, one could say. They enable interspecies collaboration. What is the symbiosis between species, where organisms of different species are reciprocally helping each other? How are microbes necessary for survival of plants and animals, including human beings?

Marc-André Selosse is a microbiologist and a professor at the National Museum of Natural History and at the universities of Gdansk (Poland) and Viçosa (Brazil). His research mainly focuses on associations between mushrooms and plants.

____NETWORKS

Armin Linke

The making of the Anthropocene - on the construction of a new era (EN, IT, GE)

How do you film an abstract, largely invisible phenomenon? By showing footage of his epochal filmic research work Anthropocene Observatory, Armin Linke introduces people and places that constitute the networks that are shaping the Anthropocene.

Armin Linke is a photographer and filmmaker, and a professor at the Karlsruhe College for Art and Design (HfG). Since 2013, he has been working on the ongoing collaborative project "Anthropocene Observatory". In 2015, he and his students from HfG documented the "Make it work"-event in Vincennes, a pre-enactment of the COP 21 negotiations.

Axel Meunier

Speaking in the name of birds, concrete slabs, climate - narrating networks from a non-human perspective (FR, EN)

How do you give a voice to non-human agents? How do you make their concerns audible, readable, visible? Starting from case studies of his own work, Axel Meunier describes his method of mapping/performing networks from a plural perspective.

Axel Meunier is a social scientist working as a cartographer of controversies at Science Po Medialab, and an artist and ecological performer. He is interested in how we live and work in a network-based material culture with multiple layers of reality.

____NUCLEAR FUSION

Ewen Chardronnet

New Mexico 1945, Trinity and White Sands Missile Range: "red" science, MacCarthyism, and the birth of the military-industrial complex (FR)

The first successful nuclear tests in the desert of New Mexico are widely considered as the starting point of the Anthropocene. In 1945, liberal and "communist" scientists who had dominated the U.S. nuclear program during the war were replaced. What would have happened if they stayed?

Ewen Chardronnet is an author, journalist, curator and intermedia artist. Active in the field of space culture for twenty years, he is a permanent member of the pilot committee at the KSEVT, Cultural Center of European Space Technologies, opened in Slovenia in 2012.

_____PETROLEUM

Annick Labeca

Contingency: Spatial practices and world in upheaval (FR, EN)

With a focus on fossile resource zones in the city of Baku and the Caspian sea, Annick Labeca draws a map of operational territories destined to generate financial and economic profit. Can architecture and design remedy the dramatic consequences of natural resource extraction?

Annick Labeca is an architecture theorist based in Paris. She is currently working on a research project about the role of architecture and urban planning in the emergence of territories used for the extraction of natural resources.

_____PLASTICS

Florence Hachez-Leroy

Plastics: fascinating alchemy or intimate enemy - the ambivalence of a hypermodern material (FR)

Plastic, once hailed for its cheapness and almost endless malleability, has become the symbol of humanity's alienation from nature. What can we still learn from modernity's most contradictory material?

Florence Hachez-Leroy is a historian of materials and technologies, attached to the Center for Historical Research (EHESS/CNRS, Paris). In her research on contemporary materials, she combines studies on economic history, science and technology with cultural subjects like patrimonialization processes.

_____RELATIONS RETHOUGHT

- with ANIMALS

Philippe Grandcolas

Biodiversity and Ethics: global issues through the perspective of insects (FR, EN)

The biased point of view of insect species is the point of departure for a reflection about the necessity to preserve biodiversity on a global scale and to invent new methods and rules for sharing information and knowledge.

Philippe Grandcolas is a director of research at the CNRS, at the Institute of Systematics, Evolution and Biodiversity. He is an evolutionary systematist, whose research focuses on the biodiversity of the Global South and particularly on the life of insect species.

Krõõt Juurak

Autodomestication: Immaterial labor of household pets (EN, ET)

Krõõt Juurak's performances question the relationships between pets and humans. She is convinced that we, as human beings, have to act differently in order to develop relationships with our companionship species that neither consist in projecting ourselves onto them nor treating them as mere machines for feeding and caressing.

Krööt Juurak is an artist and performer for human and animal audiences. In 2008, she launched "Autodomestication", a project which investigates immaterial labor across species and working conditions of household pets and other immaterial workers.

Sabrina Krief

Keeping one's distance to understand and respect their privacy - field research with chimpanzees (FR, EN)

Chimpanzees medicate themselves and display an astounding knowledge of their vegetation. In her fieldwork, Sabrina Krief realized that if we want to learn from them and not endanger one another, we have to keep our distance and maintain a form of mutual respect.

Sabrina Krief was trained as a veterinarian and is also a lecturer at the National Museum of Natural History. For nearly 20 years, she has been studying the behavior and health of chimpanzees in Africa, stressing that their self-medication is a form of resilience endangered by human activities.

Maja Smrekar and Lord Byron

K-9 Topology: on emotional economy in the parallel evolution of wolves, humans and dogs (EN, SL)

For humans, domestic animals are the closest extension to nature. 30.000 years of human cohabitation with the wolves have affected the behavior and communication patterns of both parties and generated multiple diseases. What can we expect of this interrelation in our common future?

Maja Smrekar is an intermedia artist who lives and works between Ljubljana and Berlin. Her main interests are the phenomenology of perception and the concept of life.

Lord Byron is a Blue Merle Scottish Border Collie. He has passed an exam A in basic commands and companion dog training, an advanced obedience exam B-BH, and several exams (RO I, RO II, RO III) in a sport called "Rally Obedience".

Maja Smrekar and Lord Byron have been collaborating on a series of artistic projects entitled K-9-Topology since 2013.

----RELATIONS RETHOUGHT

- with NATURE

Jean Paul Guevara

Defensoria de la Madre Tierra - the new state of Bolivia and its advocacy for Mother Earth (FR, EN, ES)

In 2009, Bolivia changed its constitution, implementing the rights and languages of indigenous peoples and of Pachamama (Mother Earth). So far, how did this reform manifest itself concretely? How can the notion of Mother Earth and Western modern civilization go together?

Trained in political sciences, Jean Paul Guevara, has been the ambassador of the Plurinational State of Bolivia in France since 2013.

Grégory Quenet

Tell me your (cultural) story and I will be your (natural) historian(FR, EN)

Grégory Quenet focuses on the question of how to write a "total history" that includes narrations of events, personal stories and environmental data. How can we integrate nature into our history?

Grégory Quenet is an environmental historian and professor at the University of Versailles-Saint-Quentin-en-Yvelines. Focusing on the early modern period, he explores how nature (earthquakes in France) is full of human history, and how human history (the palace of Versailles) is full of nature.

Annamaria Lammel

Where did we hide our nature? (FR, EN, ES, HU)

Although the talk about climate change and possible catastrophic futures is everywhere, it is difficult to personally relate to it. How can we make ourselves accept the urgency of the situation and apply it to our daily lives?

Annamaria Lammel is a researcher in cognitive and cross-cultural psychology at the University of Vincennes-Saint-Denis. She specializes in psychology and anthropology of climate change. She is part of the Intergovernmental Panel on Climate Change (IPCC), a United Nations environmental project.

Catitu Tayassu

Transhumanism & the Anthropocene: Is it acceptable that the dam determines the fate of the river? (FR, PT)

A reflection to help the powers of the rivers reach beyond the dams, while we think, for example, about issues related to climate and consciousness, biodiversity and transhumanism, artificial intelligence and the Anthropocene, the technological age and the reversion of human nature...

Catitu Tayassu is a lecturer, writing woman, and founder of the association "Pour la Vie Ailleurs & Maintenant" ("For life beyond & in the presence"). Shaman-**researcher**, artist and art therapist, she is the creator of the "Dance des Arbres - ARBOReusement" ("Dance of the trees").

----RELATIONS RETHOUGHT

- with PLANTS

Tarik Meziane

In spite of their resilience, mangroves are severely threatened by human activities and climate change (FR, EN)

It is not the mangrove alone that has to be regarded, but its entire ecosystem. This tree, capable of resisting saline water, belongs to one of the most adaptive species. However, it is being rapidly destroyed.

Tarik Meziane is an ecologist who works at the laboratory of Biology of Marine Organisms and Ecosystems at the National Museum of Natural History. He is a specialist of trophic organizations in coastal ecosystems. His recent research focuses on the impact of urbanization and aquaculture on mangrove forests.

Sylvie Pouteau

How to think the open being - topological aliens in the garden(FR)

What is the specificity of the plant? Sylvie Pouteau questions the closing gestures heaped on plant life in environments that are more and more artificialized. Plant life-forms impact the whole make-up of the planet. A new ethical approach is needed to raise moral awareness of the unthinkable plant.

Sylvie Pouteau is a biologist working for the National Research Institute for Agriculture (INRA) in Versailles. She has conducted research in plant biology for fifteen years and has recently turned her interest to plant ethics.

-----STRUGGLES

Nana Adusei-Poku

Catch me, if you can! - time, politics, and the (im)possibility to be a disobedient scholar in the university system (EN, DE)

The production of different temporal realities - of range, speed, up-to-dateness - has been an effective and most common tool in the hands of colonial politics. Nana Adusei-Poku argues that this legacy lives on in today's time lag between postcolonial theorization and the curricula of schools and universities.

Nana Adusei-Poku is an art theorist and research professor in cultural diversity at the Rotterdam University of Applied Sciences. Having researched extensively on "Post-Black" Art, she recently curated the show No Humans Involved by the multidisciplinary artist collective HOWDOYOUSAYYAMINAFRICAN? at Witte de With Center, Rotterdam.

Isabelle Cambourakis

Dancing on the Silos: sorceresses and cyborgs in the ecofeminist struggles (FR)

What is ecofeminism? Isabelle Cambourakis retells some of the actions and struggles of the 1980's in the U.S. and in Britain and talks about the political (re-)invention of figures such as the sorceress and the cyborg in order to find out what ecofeminism could be in France today.

Isabelle Cambourakis is a teacher, unionist, and editor. At Cambourakis publishing house, she is responsible for the feminist series Sorcières. In addition, she does research on the historical ties between ecology and feminism in the 1970s and 1980s.

Hugo Teave

Rescue ancestral values to reactivate the pacific environmental challenge (ES, Rapa Nui)

Hugo Teave, director of the Rapa Nui ancestral territory administration and representative for Easter Island at the COP21, tells stories from one of the most remote inhabited islands of the world, linking the famous monumental statues, the moais, and the aims of the Pacific Indigenous Climate Delegation.

As a member of the Rapa Nui Parliament, Hugo Teave takes part in the struggle against the Chilean authority to create a collective and autonomous Rapa Nui administration, to protect the archeological and sacred sites and solve other environmental and educational issues.

Paul Watson

What is the place of Man in the biosphere? (EN)

Sea Shepherd acts in the interest of mankind as a whole: to survive as a species, men must preserve biodiversity. This is a lesson in humbleness: against an anthropocentric view, man must relearn to see himself as one element among others.

Paul Watson is the co-founder of Greenpeace and the founder of the marine conservation organization Sea Shepherd, where he has been captain on seven different ships. He continues to lead Sea Shepherd campaigns to protect seals, bluefin tuna and pilot whales and to organize anti-poaching patrols.

-----TIME

Patrick De Wever

The Anthropocene: danger of a temporal confusion (FR)

As a geologist, Patrick De Wever is troubled by the introduction of the Anthropocene as a new geological era since it by far exaggerates the scope of human agency: What is considered a long period in human time scale is not much more than an instant in Earth time.

Patrick De Wever is a geologist and a professor at the National Museum of Natural History. Having always been enthusiastic about geosphere-biosphere relations, he is now very involved in the dissemination of science and protection of the geological heritage at national and international levels.

Benjamin Steininger

Short term economies, deep time epistemologies - narratives of a drill core (EN, DE)

Drilling for oil produces a "contaminated knowledge" worth billions of petrodollars but also of invaluable worth for paleontologists and geohistorians. Benjamin Steininger offers to read out the incommensurable stories of a drill core he brought with him.

Benjamin Steininger is a cultural theorist, historian, and exhibition organizer living in Vienna. His main research fields are the history of acceleration and the history and theory of the raw materials of modernity: building materials, fuels and fossil resources.

-----TIPPING POINTS

Sonia Kéfi

On the edge: resilience, tipping points and unexpected responses of ecosystems (FR, EN)

How will ecosystems cope with the ongoing global changes? What will tomorrow's ecosystems look like?

Sonia Kéfi is an ecologist at the CNRS at the Institute of Evolutionary Sciences in Montpellier. Her work has focused on designing and testing tools to predict and prevent ecosystems' degradation.

-----TRANSHUMANCE

Guillaume Leterrier

The city, a new experimentation ground for rural agriculture (FR)

Urban farmers move their livestock from public ground to public ground, grow fruits and vegetables under extremely dense conditions and experiment on new and old food production techniques. Guillaume Leterrier, founding member of Les Berger Urbains, explains why the city has become attractive for farming.

Guillaume Leterrier is a territorial developer in social economy, a gardener, and a specialist in high density culture techniques in small urban spaces. He brings his expertise to the association Clinamen and the cooperative Les Bergers Urbains.

Stéphane Verlet-Bottéro

Pastoralism and transhumance: keeping the age-old legacy of shepherding alive (FR, EN)

Shepherd cultures, changing locations to answer the needs of their animals, and the legacy of pastoralism, have been pushed to the margins by agronomic development and industrialization. Stéphane Verlet-Bottéro wants to reactivate their knowledge on living in an intimate relationship with nature and use it for our present days.

Stéphane Verlet-Bottéro is an independent environmental engineer, General Secretary of the European Shepherds Network, a movement for the preservation of pastoralism that brings together livestock farmers' organizations and federations from seventeen European countries.

-----**WOLVES**

Patrick Degeorges

Wolves in the Anthropocene: redefining wildness in a humanized world (FR, EN)

For centuries, European civilizations strove to colonize all remaining wildernesses. Recently, new wilderness zones have started to emerge in the European heartlands. And in them, wild animals are returning – with an amount of unpredictability that needs to be managed.

Patrick Degeorges is a philosopher working for the French Ministry of Ecology, Sustainable Development and Energy. As co-founder of the "Portail des humanités environnementales", he is directing a project of "enlightened conversations" on environmental humanities and the Anthropocene.

Nora Kravis

Pastoralism and predators in the 21st century (EN, IT)

Due to rural depopulation and environmental politics, the beauty – and the perils – of wild areas have been returning to Europe. Nora Kravis tells about a situation that is as archaic as it is the result of modern circumstances.

Originally trained at an art school, Nora Kravis moved from Long Island to Tuscany more than 40 years ago to start a rural life. Today, she owns 300 goats, produces sustainable cashmere and is the first livestock owner in Europe to use predator-friendly strategies.

PRACTICAL EXERCISES

Jamika Ajalon

Humans vs. Aliens – the Anthropocene and the decolonization of other(ed) universes (FR, EN)

Who will be excluded from the Anthropocene? So far, the reiteration of discriminating principles and categorizations according to nationality, religion, race, gender or sexual preferences has not been effectively prevented by identity politics or the multiplication of categories. One wonders whether it is even possible to radically decolonize Western thinking.

Based in Paris, Jamika Ajalon is an inter-disciplinary artist who creates alternative narratives that blur boundaries and challenge dominant thinking, often by using an afro-futuristic lens. Much of her work explores the connection between rememory and the power of the margins.

Joanne Clavel

Ecosomatic practices: how to listen to the environment through the body (FR, EN)

What is the somatic body? It means potential, diversity, reciprocity – an ecosystem in the process of becoming. Joanne Clavel introduces us to somatic practices that develop a new model of the human body referred to as the Ecosoma.

Joanne Clavel is a researcher in conservation sciences at the National Museum of Natural History. Having obtained a PhD in Ecology and a master's degree in Dance, she specializes in the links between art and ecology.

Émilie Hache

Despair and the workshop of empowerment: personal training for an ecofeminist future (FR)

This "ecopsychological" exercise should help us learn to talk together about our emotions which are the products of our present dark times (fear, anger, despair, indifference, expectation, stress). It allows us to remain humans and become even more human.

Emilie Hache is a philosopher and assistant professor at Nanterre University. Her current research focuses on the roles of storytelling and narration in ecological thought, mainly based on the articulation between feminism, ecology and (science) fiction.

Liza Japelj Carone

Love-declaration to the Earth through a practice of Gaya touch(FR, SL)

The Earth is a living cosmic being, and art is a language that can interact with different forms of consciousness in nature. Liza Japelj Carone gives us some exercises to reach Earth consciousness, through gestures and movements that can be done with hands and imagination.

Liza Japelj Carone is a cultural mediator, mostly for the Embassy of Slovenia in Paris, and an Earth geoculture practitioner. In France, as a member of Hagia Chora, she learned lithopuncture, the cosmograms and the Gaya Touch with Marko Pogacnik during a two-year training conducted by the Slovenian artist.