



About EcoNova

EcoNova Education is a Canadian NPO whose mission is to raise awareness, educate and develop skills on environmental and climate issues among young people and teachers.

Our goal is to trigger the following:

• informed decisions,

- actions and questions,
- and comportemental changes.

Since 2016, with these objectives in mind, EcoNova has been developing quality interactive content on environmental science, sustainability and climate change for students in Canadian schools from kindergarten to grade 12 and their educators.

We offer educational workshops consistent with provinces' curricula. Our workshops are fun and practical ways to learn and build a classroom project.

In a world becoming more complex and where trades are accelerating, ecological challenges are getting worse. Climate change, the collapse of life, global limits, and the relationships between societies and their environments and resources are no longer sustainable. The approach that led us to the consequences of the anthropocene must be questioned.

Provinces' curricula set out the broad lines of education to prepare future citizens and decidors in tomorrow's world. These frameworks are not designed to be updated annually. However, in times of ecological crisis, we must review priorities every year, invent the jobs of tomorrow, and train youth accordingly. The role of EcoNova is to provide this flexibility and connection between ecological priorities, scientific knowledge and education. EcoNova aims to help the school prepare young people for the environmental issues that are now evolving at high speed.

EcoNova programs are available in French in the various provinces of Canada for Francophone and immersion schools.





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OUR TEAM



Alexa Camargo, co-founder, CEO and educator.

Entrepreneur in social and climate justice. Ecological issues educator. Lawyer specializing in business law and intellectual property. Speaks French, English and Spanish.



Aloïs Gallet, co-founder, director and animator. Lawyer and economist. Transition entrepreneur. Trainer. Referent "Climate Fresk" Canada. Columnist at "La Source". Adviser to the French of western Canada. Speaks French, English and Spanish.



Amandine Dun, executive assistant.

Art graduate, she left the film industry in 2020 to answer the call for ecoresponsibility by joining the EcoNova team. Speaks French, English



Elsa Morin, facilitator.

Engineer in chemistry and environmental bioprocesses for sustainable development. Fascinated by nature and passionate about popularization and transmission to young people. Speaks French, English and Spanish.



Caroline Malczuk, facilitator.

Journalist and educator. After encountering the reality of climate change in British Columbia and the human responsibility in its worsening, she decided to put her energy and time at the service of environmental education. Speaks French, English



Marc Laperche, facilitator and project coordinator.

Engineer specializing in energy, an entrepreneur in the sustainable economy and a cycling enthusiast (and mechanic): energetically, the most efficient means of transport ever invented. Speaks French, English

EcoNova is expanding. We are grateful for the increase in our orders and your show of confidence.

We have changed how we do business and updated our offerings to continue serving you to the best of our ability.

Thank you for your attention, patience and support.

An offer for everyone at every age







- **1** WORKSHOPS ELEMENTARY SECONDARY
- 2 PROGRAM

3 WEBINAR





4 TEACHERS FRAININGS





WHO

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Each workshop is adapted to the class level. When registering, please pay attention to the recommended level and communicate your classes' grades.

We will send you a form for immersion classes a few weeks before your workshop. And adapt our speech if necessary.

For classes with **students with special needs**, please let us know, in the "remarks" section, your recommendations for the best possible experience during the workshop.

CONDITIONS

Our workshops are **now priced at \$559** per workshop.

However, if a school reserves five or more workshops, they will receive a 10% discount on the total cost of their reserved workshops (excluding additional fees).



In addition, funding opportunities may arise during the school year through Ministries of Education, school boards or other partner organizations. We will keep you informed by email. To receive our information, please identify info@econova.ca as a trusted recipient.

WHEN

The duration of the workshops may vary depending on their theme or level. They represent a particular time for the class and are designed with a continuity that is important not to interrupt. We ask you to adapt the students' schedules around the chosen workshop. Please get in touch with us by <u>email</u> if you encounter too great difficulties with the time slots.

We have established **fixed time slots** when our workshops will be available: :

- from 08:45 am to 09:45 am (unavailable in Ontario)
- from 10:00 am to 11:00 am
- from 11:15 am to 12:15 pm
- from 01:15 pm to 02:15 pm (unavailable in Alberta)
- from 01:50 pm to 02:50 pm (only available in Alberta)

These schedules remain the same regardless of the time zone where your school is located (no need to convert).

For workshops of less or more than one hour: the start time remains unchanged, and we will adapt the end time.

CURRICULUM COMPETENCIES

Each workshop develops **essential skills** for the student. Find out how in the workshop descriptions on the following pages.



WHERE

All our workshops are available online or in person (in class).

Here are our conditions to receive a **workshop in person** in your school:

• In British Colombia*

The workshops will be available in person in February, March, the last week of May, and June.

Greater Vancouver: minimum of three workshops per school + \$50 travel costs per day.

Outside of Greater Vancouver: minimum of five workshops per school + \$0.59/km (from Down Town Vancouver) in travel expenses + \$185/facilitator/night if required (usually a minimum of two facilitators per school is required).

In Ontario*

In-person workshops will be available in Greater Toronto and Windsor (areas south of the province). And only for the months of <u>April and May</u>. A minimum of three workshops must be booked per school.

Travel costs will be \$0.59/km from Toronto + \$185/facilitator/night (a minimum of two facilitators per school is required).

• In Alberta

The workshops will only be available online for the 2022-2023 school year.

*We will estimate travel and living expenses at the time of quote. The fixed date will, however, be proposed later during the finalization of our tour schedule.

EcoNova Education reserves the right to refuse travel in the event of a calendar conflict.

#1 WORKSHOPS



CATALOGUE OF ELEMENTARY WORKSHOPS

Potato's Germination

45 MIN / K to 2



Observing the environment. Discussing the plants' needs.

Reading the immediate environment. Developing curiosity about nature. Organizing over time.



Personal and collective responsibility for a living class project.

We love eating it in fries, but how does the potato grow? This workshop aims to familiarize students with different types of germination. Through fun activities, including engaging videos and the cycle of life dance of a plant, the workshop uses movement to enhance learning. And because seeing a plant grow out of the ground is magical, students end up with a practical activity of germinating our favourite tuber: the potato! (equipment provided) Workshops after the end of April will receive sprouted potatoes. Before Mai we will do the workshop with potato seeds.

Canada's Carnivores

45 MIN / K to 2

Exchanging observations and ideas about

Analyzing and classifying the living. Thinking about the wild animals' place in the living.



Respect for living beings around us. Responsibility for the use of environmental spaces

When we throw plastic wrap in the trash, it doesn't magically disappear! It's either transported in trucks, processed in a factory, or ends up in the wild. Waste pollutes the planet and harms animals! However, there are plenty of ways to reduce waste at home. After a short talk on waste processing, students learn how to reduce their waste, room by room, in practical activities. The goal is to create a zero-waste house. Ready for this challenge?

From Larva to Butterfly 45 to 60 MIN / K to 5

Exchanging observations and ideas about

Curiosity about nature, its beauty and ecological services.

Personal and collective responsibility for the protection of life.

Discover the secrets of an iconic Canadian animal: the black bear! This famous ursidge is much more necessary to the forest than it seems. After an interactive presentation about bears' characteristics and habitat, students will understand their relationship to biodiversity during a group activity on its diet. A reflection on the coexistence of bears with humans is proposed, with a game of recognition of bear traces and possible actions to promote a harmonious coexistence with this remarkable mammal. (equipment loaned)

Zero Waste Home

45 MIN / K to 2 Collaborating around a common project and sharing it.



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waste and finding solutions. Personal and collective responsibility for the 0

Thinking about the consequences of plastic

Large animals inhabit Canada's forests and

plains. Let's meet three of them: the covote, the

black bear and the lvnx. Powerful but discreet.

imposing but skillful, these carnivores are full of

surprises! Understanding them is essential to be

able to live with them. In this workshop, we

realize the importance of carnivores for

biodiversity. After a short and interactive

presentation, students incorporate the concept

of essential needs through a feeding activity.

The notions of territories and cohabitation are

approached through various creative and

sensory games. (material provided and loaned)

use of plastic waste.

Butterflies are beautiful insects that dazzle us as much as they serve us. This workshop amazes students who will know everything about the butterfly's life cycle stages and its essential role in biodiversity. The workshop is punctuated by visual presentations and dynamic activities (dance, Kahoot!). An unforgettable experience of breeding butterflies in class concludes the workshop. Finally, students will follow the evolution of the larvae sent and their metamorphosis into butterflies in an aviary to release them later in the wild (material provided).

The Black Bear Ranger 60 MIN / 3 to 5

Collaborating and presenting a common issue

> Understanding interconnections in ecosystems.

Personal and collective responsibility for o Qo protecting ecosystems.

Food Waste Heroes 45 MIN / K to 2

Exchanging experiences about food processing in the local context. Understanding a story and an abstract concept. Thinking critically about waste and its solutions Personal and collective responsibility for the o use of natural resources

It's time to put the food waste monster on a diet! With the help of anti-waste superheroes, students will find practical solutions to put less food in the garbage. In this fun and informative workshop, students have several missions to accomplish. Among them, they create their superheroes' masks and conduct a treasure hunt. They will realize the environmental consequences of food waste. Their creativity and motivation, stimulated in this workshop, are superpowers not to be underestimated.



SEASONAL WORKSHOP: APRIL. MAY, JUNE insects.



CATALOGUE OF ELEMENTARY WORKSHOPS



Food Waste Detectives

60 MIN / 3 to 5

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Collaborating around observations and sharing ideas.

Asking questions. Processing information, reasoning, and making informed choices.

Personal and collective responsibility for the use of resources.

In nature, to survive, plants help each other!

And some species live better together than

separately. It has been centuries since indigenous peoples have noticed these

peculiarities in ecosystems and have used

them to create associated cultures. This workshop will expose the so-called culture of the three sisters: corn, squash and beans. After

an informative narrative, we will illustrate the

notion of interconnection in nature through creative activity. Students will also have the

chance to apply their new knowledge by

planting seeds of the three sisters (material

is thrown to waste. But who are the perpetrators of these crimes, and what are their motives? Detective Poireau and his apprentice detectives are investigating. Once the evidence is found and the crime solved, solutions will have to be found, so the tragedy never happens again! Between sustainable recipes, fridge organization and short circuits, the local action tracks are numerous and within reach for every young citizen.

More than half of the food produced in Canada

Farming the 3 sisters 60 MIN / 3 to 5

Sharing observations and ideas about the environment, plants' world and needs

Thinking about conventional agriculture. _____ Learning indigenous knowledge.

Personal and collective responsibility for the protection of the environment and cultural heritage.

Neither plant nor animal: fungi are very special. Essential to ecosystems, fungi play a critical role

in life cycles on Earth. The class receives a

mushroom growth kit for this workshop to arouse interest in this atypical organism. During

the workshop, students are introduced to the

notion of symbiosis in the living world with a concrete example: the mutual services provided

by mushrooms and trees in the forest. Through

games and communication, young people will complete their new knowledge of mushrooms.

(material provided)

The wonderful world of mushrooms 60 MIN / 3 to 9

provided).

environment.
Analyzing the living in its environment.

Curiosity about nature.

Personal and collective responsibility for the protection of biodiversity.

Sharing observations and ideas about the

Under our feet, it swarms. Insects, bacteria, fungi, animals: all these little creatures have an important role in this unknown and mysterious ecosystem. With this workshop, students discover how soil works, and understand why it must be healthy. They will become familiar with the little creatures that inhabit it. During a practical activity, in groups, the young people reproduce a typical Canadian soil. And the Kahoot! is an opportunity for students to shine with the knowledge they have just acquired.

The secret life of soils 60 MIN / 3 À 5

Sharing observations and ideas on soils.

Analyzing the living in its environment.

Personal and collective responsibility for soil protection.

Vermicomposting Investigation 60 MIN / 4 to 8

Sharing observations and ideas about earthworms.

Critical thinking about the importance of soils and the consequences of waste.

Personal and collective responsibility for the use of resources.





CATALOGUE OF SECONDARY WORKSHOPS

Full stomachs and empty trash cans! This

workshop leads students to reflect on the issue

of food waste in Canada and its environmental

consequences. Young people learn more about

the life cycle of food and the implications of

using natural resources for food production.

Discussions, games and group activities bring

students practical solutions and daily actions to

teach them how to reduce the amount of waste



Climate Puzzle 120 MIN / 8 to 12

Interacting. Sharing local perspectives. Collaborating. Expressing opinions and emotions.



establishing causal links. Analyzing scientific facts and drawing conclusions

Personal and collective responsibility for climate protection.



Food Carbon Footprint 60 MIN / 6 to 9



Communicating ideas in scientific language.



they throw away.

Integrating an abstract concept to assess concrete impacts.



Personal responsibility for food consumption and collective responsibility for food production.

As a teenager, what can you do for the climate? One answer can be found in their plates: food is a sector emitting a lot of greenhouse gases. Thus, choosing what you eat is acting for the climate. In this workshop, students are led to understand the climate issues related to food consumption in Canada. After a dynamic guiz, they have the opportunity to calculate their food carbon footprint to find out where and how to act to reduce their carbon emissions in a practical and creative way. Eating responsibly yes, but eating healthy and tasty too!

Can we be eco-friendly and stylish? 90 MIN / 9 to 12

Based on collaborative intelligence and critical

thinking, this workshop has students work

together to solve the climate change puzzle as a

team. The specific pedagogy of this workshop

promotes the visualization of the climate system

and facilitates the understanding of a complex

phenomenon with numerous implications. After

solving the puzzle and its challenges, the

facilitator welcomes the emotions of each group

to make room for emotional intelligence before

engaging them in sharing their experience of

global warming in Canada. Finally, the workshop

Collaborating around a critical analysis and sharing it.



Evaluating information. Curiosity about a social subiect.

Cultural and personal identity, collective and ethical responsibility for our consumption habits.

Our clothes cover us, keep us warm, make us beautiful. But are we ready to sacrifice everything to get dressed? Today, the fashion industry is one of the most polluting in the world.

In this interactive workshop which presents fastfashion and its consequences on the environment, students are called upon to question the practices of this industry. Between playful analysis of the life cycle of clothing, guizzes to calculate one's clothing carbon footprint, and interpretations of advertising campaigns, students receive all the keys to not be fooled by greenwashing.

The students will come out of this workshop with a reinforced critical spirit but also with practical solutions to dress while respecting their planet and their health!



Food waste. it's also your business! 60 MIN / 6 to 8

Collaborating and sharing information. Reflecting on the consequences of waste









CATALOGUE OF SECONDARY WORKSHOPS

Today's youth will write tomorrow's history with the means left by previous generations. This introduction to eco-activism nurtures young people to dialogue with their community and adults who sometimes have different sensitivity. This workshop allows students to learn how to organize themselves, express themselves and be heard on subjects such as climate, the environment and the future. The ecological crisis needs informed and committed eco-citizens! After a personal guiz inviting them to guestion their motivations and strengths, the students are divided into action groups to simulate a campaign on an ecology-related subject. It's never too early to take positive action and make a difference!

Eco-activism! 90 MIN / 10 to 12

common project and



Addressing a complex and multi-actor problem. Creative thinking. Imagining an

innovative project.

Formation of cultural identity. Collective responsibility for environmental protection.

The ecological footprint: measuring the sustainability of consumption

90 MIN / 10 to 12



Communicating ideas in scientific language. Sharing personal habits.

Integrating an abstract concept to assess concrete impacts. Imagining the future world



Personal and collective responsibility for the use of resources.

To maintain the habitable conditions of our planet Earth in 2050, 2100 and beyond, the habits of humans must become "sustainable" again. We sometimes say "sustainable." But which sustainability are we talking about? Production or consumption? Sustainability in relation to what? And how to measure this sustainability? In this workshop, we dive with students into the history and operation of the famous Canadian sustainability metric: the "ecological footprint," better known through Overshoot Day. After studying the ecological footprint of Canada and other countries, students create a simulation of their environmental footprint to find out what they are missing to become as sustainable as possible.

AND SO MUCH MORE TO COME:

We are creating more workshops for you. They will be available during the 2022-2023 school year. We will send an update of this catalogue to you with the descriptions of the new workshops. Here are the topics that will be covered:

Wolfs Forest Ocean



! NEW !



START JANUARY 2023

The ecological urgency requires that students quickly develop new knowledge, reflexes and thought patterns to respond to it.

For classes wishing to build a solid and complete environmental culture, EcoNova offers a thematic program followed throughout the year.

The themes proposed for 2022-2023 are:

- biodiversity (M-9),
- ecosystems (3-9),
- waste (M-8),
- climate change (8-12),
- eco-responsible consumption (9-12).

Each theme contains a series of several workshops led by EcoNova's team (online or in person*), adapted to the level of the class (M to 12), according to a progressive difficulty. The workshops are spaced out from the registration date of 3 to 1 month.

The teacher receives a kit of activities and subjects to discuss, with essential information, between each workshop. Those resources give tools to teachers to deepen the subjects' matters independently.

By the end of the school year, students will have completed several projects and activities and will leave with a full understanding of the chosen environmental theme.

This program contributes to building a culture and shared values (identity building through ecological education in French) and is based on socio-emotional learning.



*Only 1 workshop on a theme will be available in person (see rules and conditions applicable to <u>in-person</u> workshops). **Offer valid for all registrations before December 19, 2022.



PROGRAM



ECOLOGICAL LITERACY WHICH WORKSHOPS FOR WHICH THEME?



Example: For a grade 4 class, you chose the theme of biodiversity. Your class will have the opportunity to receive the following workshops: "Growing the 3 Sisters", "From Larva to Butterfly," OR "The Wonderful World of Mushrooms" (subject to availability) and "The Black Bear: Forest Ranger." In addition, you will receive a kit related to the theme to further the topic between workshops.

*Some workshops are offered individually to more grade levels.



"ECO-ANXIETY IN CHILDREN AND TEENAGERS"

90 MIN - ONLINE UNIQUE DATE - OCTOBER 11TH, 2022 - DONE

What is the impact of climate change on the mental health of younger people?

Eco-anxiety this awareness of a world that will experience great upheavals. The concept is mainly studied in teenagers and adults because it is more difficult to ask children about their perceptions of the phenomenon. Nevertheless, they are concerned about climate change and asking questions. During this unprecedented conference and with the help of specialists on the issue of eco-anxiety, we will try to give keys to act <u>to parents and teachers</u>.

In French.



WATCH THE REPLAY HERE





"CLIMATE LITERACY" TRAINING AVAILABLE ONLINE, HYBRID OR IN PERSON - 180 MIN

The need for climate literacy training for younger generations is not only a recommendation from IPCC* scientists (Valerie Masson Delmotte, IPCC Co-Chair) but also an urgent need in our society.

To carry this generation-long need for environmental education, we have developed an "all levels" training oriented toward Canadian educators. In the form of a playful workshop, the teachers create a Climate Fresk as a team based on a scientific card game from the IPCC reports.

The training provides an updated education tool and links between climate change and applicable curricula. Then comes a discussion on how to act and educate on the matter as a school. At the end of the session, we give you a selection of ready-touse teaching resources. The training is timed to consider the time requirements of Pro-D days.

*Intergovernmental Panel on Climate Change



\$100 / PARTICIPANT

! NEW !

#4

TEACHERS' TRAININGS

AVAILABLE JANUARY 2023

"HOW TO TALK ABOUT ECOLOGY TO CHILDREN AND TEENAGERS ?" TRAINING AVAILABLE ONLINE - 90 MIN

As a teacher, it's hard not to talk about ecology in your classroom when climate change is already a reality in Canada. How to bring this potentially anxiety-provoking theme and preserve children and teenagers from feelings of anxiety and powerlessness that many already know?

This is a vast question to which this training explicitly designed for teachers is intended to answer through theoretical and practical parts. Emphasizing the importance of talking about ecology with your students and the mistakes to avoid. By performing an activity around emotions creating a safe environment in class. By referring students to various classroom activities, depending on their age.

\$100 / PARTICIPANT





SEASON TWO TO THE CLIMATE RAP CONTEST GRADE 7 TO 12 «1.5°C ALIVE »

After the first edition of the climate rap contest "2°C MAX" (winning video <u>here</u>) and given its success and with the support of Canadian Heritage, EcoNova is launching a second edition of the climate rap contest renamed "1.5°C Alive," referring to the international climate agreement (Paris Agreement). Containing maximum warming to 1.5°C is the ambitious goal Canada has committed to through its Net-Zero 2050 policy.

Youth are sometimes sad, anxious, worried, or angry about climate inaction. To give a voice to this youth, EcoNova offers a unique contest, allowing all to be heard on the theme of climate or ecology! Participating alone or in a team is an unforgettable experience and an effective way to act for the environment!

Encouraging your students in this **bilingual competition of music videos with lyrics sung, rapped or slammed** means involving them in a 100% creative teaching activity while allowing them to be interested in the language.

This contest, supported by the federal government, allows you to **talk about climate issues in class** in a fun way. The competition **can be integrated into lessons** as an activity or carried out as an individual or teamwork.

In this experience, **participants receive online coaching workshops** on various topics (musical creation, climate sciences, writing, translation) offered by professional speakers in both languages.

The best videos will win several prizes in creative equipment and professional editing of their work before a wide distribution in our networks.

In addition, a **bilingual ceremony** will give artists the floor to explain their message!

! NEW ! ECOLOGICAL COMIC COMPETITION (7 TO 12) THE FUTURE IS DRAWING!

Do your students like to draw, tell stories, write in French, and commit to the planet? Then, invite your students to participate in the Ecological Comic Contest: The future is drawing! You can discover hidden talents.

This competition aims to reveal students' future visions while honouring their imagination and inventiveness!

The future is emerging, and new generations will have to deal with environmental and climate damage. But solutions will only come with motivation. Imagining a desirable future for living beings is an exciting process that makes you want to act!

Through the creation of a comic, young people can innovate by seeking ideas for technological or social solutions, imagining changes in society, and visualizing a different environment. At the same time, they will set up a coherent narrative structure and graphics adapted to the communication of ideas.

The young participants can rely on the help of our teams, particularly on environmental and climate issues. These nudges are offered upon request by teachers.

The best comics will win prizes and have the chance to see their work broadcast on our networks! Engage your class with this contest!



CONTESTS

TESTIMONIALS 2022

I participated in several Econova workshops, and this is one of my favourites. We enioved the mushroom arowing kit (so much so that I plan to buy some when I teach biodiversity next year). The sites we had the chance to explore and the activity to find the types of mushrooms, as well as the Kahoot. were excellent! My students enjoyed the activity breaks that our facilitator prepared, and they especially liked the link between Minecraft and the word mycelium! Stephanie Girard. École Monseigneur Jean Noël, G6, ON

The workshop on the wonderful world of mushrooms was fantastic! My students and I grew mushrooms in the classroom for the first time! Students were excited to come to school every day to watch the mushrooms grow and grow bigger and bigger. We also finished this chapter by cooking mushrooms in butter and garlic! Yum! Thank you. Andreanne Porlier, École des Grands-cèdres, G5/7, BC

We appreciated the variety of teaching methods. Students especially liked the Kahoot! Thank you very much. Natalie Nielsen, Pitt Meadows Elementary, C5/6, BC

The workshop is ideally conducted with an alternation of listening and activities phases. I appreciated the emphasis on vocabulary. Jean-Philippe Fouchier, École Les Pionniers de Maillardville, G1, BC Aloïs explained the technical terms well and kept the students engaged. In addition, I liked the variety of activities for students (bingo, Kahoot, quiz, video). Julia Bellemore, École secondaire Pain Court, G9, ON

The excellent workshop perfectly meets the G3 Science framework in Ontario (plants). The material is also appreciated! (Seeds, minigreenhouse, etc.)

Lynne Fry, École élémentaire catholique Saint-Philippe, G2/3, ON

My students and I enjoyed the entire workshop. Our facilitator was exceptional with the students! Marie-Pascale Brown, École francophone de Kimberley, K/G3, BC

The workshop is very well developed. It contains a lot of information. I liked the card game. It shows students how everything is connected when we talk about climate change. Abdourahmane Diallo, École Michaëlle-Jean, G9, AB

Thank you, it is the best virtual workshop I have attended since 2020. The facilitator was able to keep students' attention despite the distance. The workshop was welldivided, and the pace was good. Bravo, and thank you! Véronique Plourde, École La Vérendrye, G6/7, BC,

THEY TRUST US



AND IMMERSION SCHOOL

School District of Maple Ridge - Pitt Meadows, Prince George, Peace River North, Comox Valley, Campbell River, Abbotsford, Burnaby, Delta, Richmond, Vancouver, Victoria

OUR PARTNERS

