



FILM SYNOPSES, SPONSORS & PANELISTS
Kelowna BC, October 21/22, 2011

Each film will be followed by a panel discussion featuring local experts in that specific field. Panelists will share their thoughts about how the information portrayed in the film relates locally, and then encourage discussion and problem-solving among filmgoers.

GLOBALIZATION VS. LOCALIZATION

The Economics of Happiness: <http://www.youtube.com/watch?v=VkdnFYDbiBE>

7pm, Friday, October 21st, 2011
UBC Okanagan: Fipke Centre

Going local' is a powerful strategy to repair our fractured world—our ecosystems, our societies and ourselves

Economic globalization has led to a massive expansion in the scale and power of big business and banking. It has also worsened nearly every problem we face: fundamentalism and ethnic conflict; climate chaos and species extinction; financial instability and unemployment. There are personal costs too. For the majority of people on the planet life is becoming increasingly stressful. We have less time for friends and family and we face mounting pressures at work.

The Economics of Happiness describes a world moving simultaneously in two opposing directions. On the one hand, government and big business continue to promote globalization and the consolidation of corporate power. At the same time, all around the world people are resisting those policies, demanding a re-regulation of trade and finance—and, far from the old institutions of power, they're starting to forge a very different future. Communities are coming together to re-build more human scale, ecological economies based on a new paradigm—an economics of *localization*.

We hear from a chorus of voices from six continents including Samdhong Rinpoche, the Prime Minister of Tibet's government in exile, Vandana Shiva, Bill McKibben, David Korten, and Zac Goldsmith. They tell us that climate change and peak oil give us little choice: we need to localize, to bring the economy home. The good news is that as we move in this direction we will begin not only to heal the earth but also to restore our own sense of well-being. *The Economics of Happiness* restores our faith in humanity and challenges us to believe that it is possible to build a better world.

PANEL OF EXPERTS:

- Joanne de Vries, Fresh Outlook Foundation (Facilitator)
- Dr. Ross Hickey, UBC Okanagan
- Dr. Mark Holder, UBC Okanagan
- Wendy Creelman, Live Work Play Consulting Inc.

PERMACULTURE / INDUSTRIAL COMPOSTING

Farming With Nature (Permaculture with Sepp Holzer): <http://video.permaculture.coop/video/890/farming-with-nature-permacultu>

Bokashi: <http://www.bokashimovie.com/main.htm>

9:30-Noon, October 22nd

UBC Okanagan: Fipke Centre

Farming with Nature — Josef ("Sepp") Holzer (born July 24, 1942 in Ramingstein, Province of Salzburg, Austria) is a farmer, author and an international consultant for natural agriculture. Coming from a line of farmers, he took over his parents' mountain farm business in 1962 and pioneered the use of ecological farming, or Permaculture, techniques at high altitudes (1100 to 1500 meters above sea level) after being unsuccessful with regular farming methods. Called the "rebel farmer" because he persisted in these practices despite being fined and even threatened with prison for practices such as not pruning his fruit trees (unpruned fruit trees survive snow loads that will break pruned trees). He has also created some of the worlds best examples of using ponds as reflectors to increase solar gain for Passive solar heating of structures, and of using the microclimate created by rock outcrops to effectively change the Hardiness zone for nearby plants. He has also done original work in the use of Hugelkultur and natural branch development (not pruning) to allow fruit trees to survive high altitudes and harsh winters. He is currently conducting permaculture ("Holzer Permaculture") seminars both at his der krameterhof farm and worldwide, while continuing to work on his alpine farm. His expanded farm now spans over 45 hectares of forest gardens, including 70 ponds, and is said to be the most consistent example of permaculture worldwide. He is author of several books, works nationally as permaculture-activist in the established agricultural industry, and works internationally as adviser for ecological agriculture. He is the subject of the film *The Agricultural Rebel*.

Bokashi — In September 2010, the five-day Armstrong IPE piloted a program to process two tons of food-fair scraps anaerobically using microorganisms. This process, known as bokashi, ferments food scraps to create a nutrient-rich natural fertilizer. Three weeks later, the bokashi was tilled into a farmer's field. The bokashi movie documents the pilot project while illustrating the effectiveness, benefits and scalability of bokashi fermentation in aiding the reduction of compostable materials in landfills.

PANEL OF LOCAL EXPERTS:

- Andrew Barton, Fresh Outlook Foundation (Facilitator)
- Bruce Mol, Bokashi Filmmaker
- Haruko Kagami, Kelowna Permaculture Group
- Gord Hiebert, Element Eco-Design

FOREST PROTECTION

The Incomappleux: <http://www.theincomappleux.com/>

9:30-Noon, October 22nd

UBC Okanagan: Fipke Centre

The Incomappleux River Valley is located between Revelstoke and Nakusp; it lies in the heart of the only Inland Temperate Rainforest in the world. This valley is home to colossal ancient trees which date back to the Roman Empire, rare plants, new to science species and towering glacier capped mountains. Narrow trails shared by grizzly and black bears, wolves, elk and deer wind around man-sized ferns, pass magical glacier-fed cold springs and tunnel through avalanche debris paths. This antique forest is like no other, come share in the magnificence of the Incomappleux.

PANEL OF LOCAL EXPERTS:

- Arden Rutherford, Nature's Presence Foundation (Facilitator)
- Riel Marquardt, Filmmaker
- Mark Gronvall, Video contributor to film

INTELLIGENT DESIGN & PRODUCTION

Mission Possible: Cradle-to-Cradle Design

9:30-Noon, October 22nd

UBC Okanagan: Fipke Centre

German chemist Michael Braungart wants to save the world—but not in the way some environmentalists have in mind. Rather than promoting reduced consumption, Braungart and his collaborator, American architect William McDonough, are proposing “intelligent production” or a design approach known as cradle-to-cradle. This film traces the ideas of both visionaries and the obstacles they are encountering, particularly from the waste processing industries. Real-world architectural and manufacturing case studies are presented along with extensive conversations with Braungart and additional commentary from McDonough, while observers familiar with their work express varying opinions about it.

PANEL OF LOCAL EXPERTS:

- Dr. Kenneth Carlaw, UBC Okanagan (Facilitator)
- Dr. Rehan Sadiq, UBC Okanagan
- Dr. Bushra Waheed, BC Oil & Gas Commission

FOOD SECURITY

Seed Warriors: http://www.dailymotion.com/video/xc41wk_seed-warriors-official-trailer_shortfilms

12:30-3pm, October 22nd

UBC Okanagan: Fipke Centre

In the remote Norwegian town of Longyearbyen, just 1000 kilometres from the North Pole, politicians from around the world came to celebrate the opening of the world's first global seed bank. After years of difficult negotiations and searching for the right spot, this was deemed to be the safest place on earth. Eventually, four to five million seed samples will be stored in this Doomsday Vault and ensure the continued existence of biodiversity. But is the dream of global food security achievable? By 2050 temperatures worldwide are expected to rise by at least two degrees. This will result in a 30 per cent drop in production of food crops. By this time global food demand will have doubled. How will we feed the world?

In *Seed Warriors* we hear from the scientists behind this ambitious project and examine the reality of the fight against hunger. In Kenya, where drought is a recurring problem, we meet Zachary Muthamia, the director of the National Seed Bank, who is using the limited resources available to him to preserve his country's existing biodiversity and send copies of Kenya's unique plant heritage to Norway before his energy eating generators die for good. And we meet Marianne Banziger, one of the world's leading experts on maize. She's using the same biodiversity to develop non-genetically modified seeds that yield 20 to 30 percent more than existing seeds and thrive in conditions of drought. But time is running out.

PANEL OF LOCAL EXPERTS:

- Mary Stockdale, UBC Okanagan (Facilitator)
- Dr. Barry Grace, Pacific Agri-Food Research Station
- Ken Salvail, Ken's Horticultural Service

REUSING / RECYCLING BUILDINGS

The Greenest Building: http://thegreenestbuildingmovie.com/The_Greenest_Building/Watch_Clips.html

12:30-3pm October 22nd

UBC Okanagan: Fipke Centre

Over the next 20 years, Americans will demolish one third of our existing building stock (over 82 billion square feet) in order to replace seemingly inefficient buildings with energy efficient “green” buildings. Is demolition in the name of sustainability really the best use of natural, social, and economic resources? Or, like the urban renewal programs of the 1960’s, will this well-intentioned planning result in devastating environmental and cultural consequences?

Through five prototype projects, ranging in scope from a tenant improvement, to a Main Street America project to a highly successful renovation of one of Boston’s (and America’s) finest Richardsonian Romanesque churches, ***The Greenest Building*** explores the myth that a “green building” is necessarily a new building and demonstrates how renovation and adaptive reuse of existing structures fully achieves the sustainability movement’s “triple bottom line” - economic, social, and ecological balance. These prototypes reveal: (a) how reuse and reinvestment in the existing built environment leads to stronger local economies that can compete on a global scale; (b) that sense of place and collective memory, while intangible, are critical components of strong sustainable communities; and (c) the direct correlation between reuse of existing buildings and a significant reduction in greenhouse gas emissions, degradation of the natural environment and overuse of precious natural resources.

The Greenest Building aims to incite change in the way Americans see their own geographic communities. With a focus on the partnership between the built environment and the natural environment, the film promotes a better understanding of the symbiotic relationship between reuse of buildings and the conservation of natural systems that sustain life.

PANEL OF LOCAL EXPERTS:

- Deren Sentesy, En Circle Design Build (Facilitator)
- Bernard Momer, UBC Okanagan
- Jim Keiklejohn, Meiklejohn Architects Inc.
- Bill Darnell, Green Home Builder

NATURAL GAS EXTRACTION / WATER POLLUTION

GASLAND: <http://www.youtube.com/watch?v=dZe1AeH0Qz8>

12:30-3pm October 22nd

UBC Okanagan: Fipke Centre

The largest domestic natural gas drilling boom in history has swept across the United States. The Halliburton-developed drilling technology of “fracking” or hydraulic fracturing has unlocked a “Saudi Arabia of natural gas” just beneath us. But is fracking safe? When filmmaker Josh Fox is asked to lease his land for drilling, he embarks on a cross-country odyssey uncovering a trail of secrets, lies and contamination. A recently drilled nearby Pennsylvania town reports that residents are able to light their drinking water on fire. This is just one of the many absurd and astonishing revelations of a new country called Gasland. The movie is part verite travelogue, part expose, part mystery, part bluegrass banjo meltdown, and part showdown.

SPONSOR: Sierra Club

PANEL OF LOCAL EXPERTS:

- Dr. Anjuman Shahriar, UBC Okanagan

GLOBAL ECONOMIC CRISIS

Inside Job: <http://www.youtube.com/watch?v=FzrBurJUNK>

12:30-3pm October 22nd

UBC Okanagan: Fipke Centre

From Academy Award nominated filmmaker Charles Ferguson (No End in Sight) comes *Inside Job*, the first film to expose the shocking truth behind the economic crisis of 2008. The global financial meltdown, at a cost of more than \$20 trillion, resulted in millions of people losing their homes and jobs. Through extensive research and interviews with major financial insiders, politicians, and journalists, *Inside Job* traces the rise of a rogue industry and unveils the corrosive relationships that have corrupted politics, regulation, and academia.

PANEL OF LOCAL EXPERTS:

- Dr. John Burton, UBC Okanagan (Facilitator)
- Mike Gilmore, BDO Dunwoody
- Dr. Alan Ilicic, UBC Okanagan
- Susan Kasper, Edward Jones

SPECIES PROTECTION

Vanishing of the Bees: <http://www.vanishingbees.com/trailer/>

3:00-5:30pm, October 22nd

UBC Okanagan: Fipke Centre

Honeybees have been mysteriously disappearing across the planet, literally vanishing from their hives. Known as colony collapse disorder, this phenomenon has brought beekeepers to crisis in an industry responsible for producing apples, broccoli, watermelon, onions, cherries and a hundred other fruits and vegetables. Commercial honeybee operations pollinate crops that make up one out of every three bites of food on our tables.

Vanishing of the Bees follows commercial beekeepers David Hackenberg and Dave Mendes as they strive to keep their bees healthy and fulfill pollination contracts across the U.S. The film explores the struggles they face as the two friends plead their case on Capital Hill and travel across the Pacific Ocean in the quest to protect their honeybees.

Filming across the US, in Europe, Australia and Asia, this documentary examines the alarming disappearance of honeybees and the greater meaning it holds about the relationship between mankind and mother earth. As scientists puzzle over the cause, organic beekeepers indicate alternative reasons for this tragic loss. Conflicting options abound and after years of research, a definitive answer has not been found to this harrowing mystery.

PANEL OF LOCAL EXPERTS:

- Ken Salvail, Ken's Horticultural Services (Facilitator)
- Bob Chisholm, Brainy Bee

EDUCATIONAL REFORM

Finland Phenomenon: <http://www.2minutes.com/films/finland-phenomenon.asp>

3:00-5:30pm, October 22nd

UBC Okanagan: Fipke Centre

Finland's education system has consistently ranked among the best in the world for more than a decade. The puzzle is, why Finland? Documentary filmmaker, Bob Compton, along with Harvard researcher, Dr. Tony Wagner, decided to find out. The result of their research is captured in a new film, *The Finland Phenomenon: Inside the World's Most Surprising School System*. In the 60-minute film, Dr. Wagner guides the viewer through an inside look at the world's finest secondary education system. A life-long educator and author of the best-selling book, *The Global Achievement Gap*, Dr. Wagner is uniquely qualified to explore and explain Finland's success. From within classrooms and through interviews with students, teachers, parents, administrators and government officials, Dr. Wagner reveals the surprising factors accounting for Finland's rank as the #1 education system in the world.

PANEL OF LOCAL EXPERTS:

- Dr. Robert Whiteley, UBC Okanagan (Facilitator)
- Dr. Arjun Bhardwaj, UBC Okanagan
- Dr. Annette La Grange, UBC Okanagan
- Kevin Epp, BC Teachers Federation

SUSTAINABLE BUSINESS

SO RIGHT. SO SMART. <http://www.youtube.com/watch?v=eqDfs1xTxGY>

3:00-5:30pm, October 22nd

UBC Okanagan: Fipke Centre

As awareness grows about the consequences of environmental disregard, the sustainability movement is gathering momentum, and the institutions with the furthest reach and the highest stakes - corporations - are being asked by customers to take the lead. Those ahead of the curve already realize that there is a way for industry to permanently coexist with its environment, that fitting in to natural systems is smarter than trying to control them, and that sustainability is the most expansive profit frontier yet to be explored. One business striving for these ideals deserves recognition above the rest for its inspiring leadership: Interface Inc. led by Ray Anderson. What is most remarkable about all companies making this positive shift is not the change of mind - but the change of heart they experience as they realize that environmental stewardship is an ethical imperative for the future.

PANEL OF LOCAL EXPERTS:

- Angela Reid-Nagy, GreenStep Coaching (Facilitator)
- Hazel Christy, District of Lake Country
- Lindsay Eason, GreenStep Coaching

CLIMATE ACTION

Deep Green: <http://deepgreenmovie.com/>

3:00-5:30pm, October 22nd

UBC Okanagan: Fipke Centre

"Deep Green" is an upbeat documentary about how to de-carbonize energy and restore the natural world in order to stop man-made global warming. It is all about solutions.

So how do you tell a story about how to save civilization from over-heating? One that is entertaining, yet compelling enough to move people to change their own behavior? Not with gloom and doom. Not by scaring people. Not with cold shots of technology. Or talking head after talking head, without an emotional connection.

Even knowing this, for two years, I thought that the best information could carry the film. Then we interviewed Chelsea Sexton of Plug-in America and the star of "Who Killed the Electric Car." She again pointed out that "people don't care about technology, they care about people." So we concentrated on fewer people. And we expanded story threads like the emerging green change in China. For too long, China has been used as an excuse for inaction on climate change. The argument goes something like this – It doesn't matter what we do in the United States, because all those people will burn all that dirty coal, waste all that energy, and kill the planet anyway. But our research showed that this was changing, and we decided to go to China to see for ourselves. We caught the beginning of what is now an accelerating greening of China.

Europe has led the way on most efforts to stop global warming, so we searched for the best diverse global warming solutions in seven countries. Plus, we found many areas of strength and brilliant solutions in the United States. From the start I knew we needed breaks from the stories so the film could breathe – or we would never appeal to a wide audience. So we worked with the talented animators at Bent Image Lab on what became eleven animated shorts – two of which are so powerful that we pulled them out of the movie and plan to screen them as short subjects prior to each showing, where possible. And we concentrated on the theme of what one person could do. Green technology and laws that encourage restorative action are great, but ultimately changing the way we live is up to us. After two years of resisting a suggestion by my crew, I started to write myself into the movie as a real-life example of what one person can do.

Then composer Randy Porter did his magic with a frame-by-frame movie score, pushing an emotional tone into every nook of a technical story — using beautiful music to give the smart, inspiring heroes who are fixing this problem the spotlight they deserve.

Making films, as we all know, is both a joy and a sacrifice. I am frequently asked, why did I do it? Why did I spend most of my savings on something as risky as a movie? Because the bigger risk is doing nothing. The consequences of man-made global warming will render everything else we do in the future moot, unless we address it immediately at a scale big enough to solve the problems. The best new science says we have to peak carbon emissions by 2015, and we one billion high carbon emitters of the world need to lower our carbon emissions by 80% in 10-20 year — or we won't be able to stop global warming. Our efforts will never be enough until we stabilize the Life Support System of the Earth at pre-industrial cool temperatures and carbon emissions below 350 parts per million.

We can fix this...if we go Deep Green now.

PANEL OF LOCAL EXPERTS:

- Carol Suhan, FortisBC Power Sense (Facilitator)
- John Suttie, BC Sustainable Energy Association
- Paul Dupuis, District of Peachland
- Alice Hooper, Green Agent / Royal LePage Kelowna

ZERO WASTE

The Clean Bin Project: <http://www.cleanbinmovie.com/>

7-10pm, October 22nd

UBC Okanagan: Fipke Centre

The Clean Bin Project is a feature documentary film about a regular couple and their quest to answer the question "is it possible to live completely waste free?".

Partners Jen and Grant go head to head in a competition to see who can swear off consumerism and produce the least landfill garbage in an entire year. Their light-hearted competition is set against a darker examination of the sobering problem waste in North American society. Even as Grant and Jen start to garner interest in their project, they struggle to find meaning in their seemingly minuscule influence on the large-scale environmental impacts of our "throw-away society". Featuring interviews with renowned artist, Chris Jordan and marine pollution expert, Captain Charles Moore, *The Clean Bin Project* presents the serious topic of waste reduction with optimism, humour, and inspiration for individual action.

SPONSOR: RDCO Waste Reduction Office

PANEL OF LOCAL EXPERTS:

- Joanne de Vries, Fresh Outlook Foundation (Facilitator)
- Leo Bartels, Leos Videos
- Leanne Bilodeau, UBC Okanagan