

CAREER PROFILE for JESSICA ERNST

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Public interest lawsuit on hydraulic fracturing and Alberta Energy Regulator
breach of Canadian Charter of Rights and Freedoms: ernstversusencana.ca

Research on Hydraulic Fracturing and Gas Migration:

2013 06 13 [Brief review of threats to Canada's groundwater from the oil and gas industry's methane migration and hydraulic fracturing](#)

To access the paper, click on title or access it, html version and French translation at:
<http://www.ernstversusencana.ca/links-resources>

Public Presentations on Hydraulic Fracturing:

2013 09 22 Stephenville, Newfoundland: Main presentation

2013 07 13 Marylhurst University, Oregon: Main presentation and work shop

2013 04 22 Blue Quills First Nations College, St. Paul, Alberta: Co-presentation

2013 March Republic of Ireland, Northern Ireland and United Kingdom Speaking Tour: Main presentations

March 2 Leitrim Village, Republic of Ireland

March 4 Ennis, Co. Clare, Republic of Ireland

March 5 Oireachtas Éireann, Dublin, Republic of Ireland

March 6 Stormont, Parliament of Northern Ireland and

The Queen University of Belfast

March 7 St. Annes, United Kingdom

March 8 Victory Hall, Balcombe, United Kingdom

March 10 Dublin, Republic of Ireland

March 11 National University of Ireland, Maynooth and

Smock Alley Theatre, Dublin, Republic of Ireland

2012 10 12 Mount Royal University, Calgary: Co-presentation

2012 September 22 & 24 Whitehorse and Yukon College, Yukon: Main presentation

2012 July 9 & 10 Westville and Wallace, Nova Scotia: Main presentation

2012 07 05 Baddeck, Nova Scotia: Main presentation

2012 06 23 National Farmers Union, Forestburg, Alberta: Co-presentation

2012 May 21 - 24 New York State Speaking Tour: Main presentations at
Bath, Elmira Heights, Owego, Ithaca, Cortland Health Dept., La Fayette

2012 May 18 & 19 Traverse City and Gaylord, Michigan: Co-presentations

2012 04 22 Prince Albert, Saskatchewan: Main presentation

2012 03 21 Knee Hill Valley Constituency Alberta Women's Institute: Main presentation

2012 03 15 Eagle Hill, Alberta: Co-presentation

2012 03 08 University of Alberta, Camrose: Main presentation

2012 February Northern Ireland and Republic of Ireland Speaking Tour: Main presentations
February 21: Belco, Northern Ireland
February 23: Carrick on Shannon, Republic of Ireland
February 24: Glenfarne, Republic of Ireland
February 25: Dublin, Republic of Ireland

2012 01 28 St. Peter's Abbey, Saskatchewan: Main presentation

2011 12 10 Memramcook, New Brunswick: Co-presentation

2011 12 09 Upham, New Brunswick: Main presentation

2011 12 08 Tatamagouche, Nova Scotia: Main presentation

2011 12 04 Lake Ainslie, Cape Breton: Main presentation

2011 12 03 Truro, Nova Scotia: Co-presentation

2011 12 02 University of King's College, Halifax: Introductory presentation

2011 11 24 University of Lethbridge: Main presentation

2011 10 27 University of Alberta: Main presentation

2011 10 01 United Nations Church Centre, New York City, USA: Main presentation after receiving UNANIMA International Woman of Courage Award

2011 09 10 Cochrane, Alberta: Co-presentation

2011 05 03 New York City, USA: Co-presentation on hydraulic fracturing panel at United Nations 19th Commission on Sustainable Development

2007 05 08 Ottawa: Testimony to Parliamentary Standing Committee on Environment and Sustainable Development on water contamination from hydraulic fracturing of aquifers and non-disclosure of chemicals

2007 04 07 Calgary: Presentation to energy industry processing contractors on the regulators ignoring/covering up data indicating industrial contamination in Rosebud drinking water

2006 April 4 - 6 Elk Valley, British Columbia unconventional gas tour, Co-presentations

April 4: Fernie

April 5: Elkford

April 6: Sparwood

2006 March 7 - 9 Central Alberta Unconventional Gas Tour, Co-presentations - first public disclosure of unlawful hydraulic fracturing by Encana of Rosebud's drinking water aquifers

March 7: Camrose and Pigeon Lake

March 8: Trochu

March 9: Nanton

2006 03 06 Edmonton, Alberta: Emergency meeting with Environment Minister Guy Boutilier and staff responsible for protecting water. Evidence presented proving Encana hydraulically fractured Rosebud's drinking water aquifers and diverted fresh water from CBM without a permit under the *Water Act*. The minister did not want to look at, discuss or accept the evidence.

2006 07 25 Cowley, Alberta: Co-Presentation

2006 04 21 Hudson's Hope, British Columbia: Co-presentation with Mike Gatens CEO MGV Energy Inc. (now Quicksilver Resources); Chair Canadian Society for Unconventional Gas (now Canadian Society for Unconventional Resources)

2006 01 26 Granum, Alberta: Co-presentation on no public consultation and no disclosure of frac, drilling and servicing chemicals, and other unmitigated impacts

2005 November 28 - December 2: Yukon Speaking Tour of First Nations Communities

November 28: Haines Junction and Beaver Creek

November 29: Atlin and Haines Junction

November 30: Carcross and Whitehorse

December 01: Pelly Crossing and Teslin

December 02: Watson Lake

2004 10 04 Calgary: Presentation to Encana land managers on truth and full disclosure

Oil and Gas Industry 30 Year Career:

- Working in the western provinces of Canada on land permitting, Environmental and Socio-Economic Impact Assessments (including cumulative), Caribou Protection Plan preparation and implementation, Community and First Nations Consultations;
- Ten years Chinchaga oil and gas field wildlife observations and study (1997 - 2007) using innovative, low invasive methods including snow tracking, remote cameras to identify furbearers to individuals and scat stress hormone analysis (completed the first validations of this technique for grey wolf, moose, woodland caribou and wolverine); numerous years at Conklin (for North American Oil Sands that was purchased by Statoil) preparing for and leading into the multi-year study by Dr. Sam Wasser, Centre for Conservation Biology, University of Washington [*Front Ecol Environ* 2011; doi:10.1890/100071]

Instruction/training

- TDG;
- WHMIS;
- H2S Alive;
- CPR/Basic Rescue;
- Advanced First Aid & Avalanche Rescue, Canadian Ski Patrol, 1993-97;
- Alberta Pesticide Applicator's Licence, Class AL, AENV, 1987-Current;
- Various courses in Soils and Weeds at Olds College, Alberta;
- Advanced First Aid/Rescue;
- CPR Adult/Child;
- Confined Space and Rescue;
- Defensive Driving.

Education:

- Applied Environmental Management, SAIT (Calgary, Alberta), 1994;
- M.Sc., U. of Guelph, Veterinary College, Dept. of Pathology, 1982;
- B.Sc., U of Guelph, Agriculture College, Dept. of Environmental Biology, 1980.