



## **GEMMx Workshop 2015 : Water and Governance** **Community-informed Landscape-scale Planning in the Extractive sector**

SFU Segal Graduate School, 500 Granville St. Vancouver, BC  
12:30 - 5:30, October 14, 2015

### **Background for the Workshop: Expert Perspectives**

#### **Introduction to Landscape-Scale Cumulative Impacts Planning, *Bruce McKenney***

- Landscape-scale planning: designing development better
- Benefits of landscape-scale planning for all players
- The example of Mongolia: a collaboration between Rio Tinto, TNC, and the national government
- Opportunity and need for leadership

Listen to the full interview here: <https://soundcloud.com/resolveradio/bruce-mckenney-interview>

#### **Application in British Columbia and Alaska, *Dirk Van Zyl***

- Lessons from Mt. Polley: the importance of independent review and preparedness planning
- Designing effective governance and “resilient mines” for mining in salmon-bearing regions
- Building credibility capital, a business case for landscape-scale planning

Listen to the full interview here: <https://soundcloud.com/resolveradio/dirk-van-zyl-interview>

#### **Landscape-scale Planning in Practice, *Ian Thomson***

- Resource sector dynamics: drivers and obstacles
- The importance of political and regulatory context
- Water as a unifying factor in the mining sector
- Managing expectations through ongoing dialogue with surrounding communities

Listen to the full interview here: <https://soundcloud.com/resolveradio/ian-thompson-interview>

#### **Industry Innovations, *John Thompson***

- Emerging resource sector innovations in selectivity, efficiency, waste management, and data integration
- Expanding the scope of innovation to the landscape scale
- Relative value of landscape-scale planning to different types of mines

Listen to the full interview here: <https://soundcloud.com/resolveradio/john-f-thompson-interview>

Brief expert biographies on reverse.

Please contact Meg Perry ([mperry@resolv.org](mailto:mperry@resolv.org)) with any questions about the workshop.

**RESOLVE SOLUTIONS NETWORK**

**WORLD ECONOMIC FORUM**

**The Nature Conservancy**





**Bruce McKenney**

*Director, Development by Design  
Nature Conservancy*

BA (Hons) in Political Science, Brown University; Honours Degree in African Studies, University of Cape Town; Master's in Public Policy, Harvard University. Bruce has more than 20 years of experience applying policy and economic analysis to advance environmental goals and human well-being. Prior to joining the Conservancy in 2006, Bruce was a Senior Associate at Hardner & Gullison Associates providing technical support for biodiversity conservation; Program Director for Natural Resources and Environment at the Cambodia Development Resource Institute; and an Associate at Industrial Economics, Incorporated conducting economic and regulatory analyses. His work includes projects and studies for the World Bank, World Commission on Dams, U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, World Wildlife Fund, Moore Foundation, and National Parks Conservation Association.



**John F. Thompson**

*Wold Family Professor in Environmental Balance for Human Sustainability  
Cornell University*

Graduate, Oxford University; MSc and PhD, University of Toronto. John Has thirty-five years of experience in mineral exploration and mining and has worked in more than 30 countries. In 1982, Dr. Thompson joined BP Minerals group of companies. Since 1991, he has served as Director of the Mineral Deposit Research Unit at the University of British Columbia, managing and carrying out research supported by over twenty companies. In 1998, he joined Teck and was involved in exploration and development projects for base and precious metals in over 15 countries. Thompson was the Chief Geoscientist at Teck Resources. Also at Teck Resources Limited (formerly, Teck Cominco Limited) he has held the positions of Vice President of Technology and Development and Chief Technology Officer. Thompson joined PetraScience Consulting in 2012. He is the President of the Canada Mining Innovation Council. Dr. Thompson serves as a Member of the advisory board of Chrysalix Energy.



**Dirk van Zyl**

*Professor, Norman B. Keevil Institute of Mining Engineering  
The University of British Columbia*

B.Sc. (Hons.) Civil Engineering, University of Pretoria, South Africa; M.S. and Ph.D., Geotechnical Engineering, Purdue University; Executive MBA, University of Colorado, Boulder. Dirk has more than 30 years' experience in research, teaching, and consulting in tailings and mined earth structures. During that period, he was a faculty member for 13 years at four universities in the U.S.A. and Canada. For the last ten years, much of his attention has been focused on mining and sustainable development. Dirk has been involved internationally in many mining projects which covered the whole mining life cycle, from exploration to closure and post-closure, in a large range of climactic and geographic environments. His present research is in the area of the contributions that mining makes to sustainable development, as well as the application of life cycle assessment to mined earth structures.



**Ian Thompson**

*Principal - Shinglespit Consultants Inc.  
Co-Founder/Advisor - On Common Ground Consultants Inc.*

Ph.D. from the Imperial College of Science and Technology, University of London. Ian has more than 30 years of experience in the resource industries, working for the last fifteen years to advance the management of socially sustainable development. His expertise includes stakeholder engagement, social performance guidance and assessment, application of international standards, corporate and operational team training, policy and social context reviews, and guiding multi-stakeholder processes. He has led development of standards and guidelines for the management of social issues during mineral exploration and mine development programs. He authored the first version of Community Engagement for the Prospectors and Developers Association of Canada's e3 on-line manual of good practice, facilitated construction of the Principles and Guidance for Responsible Exploration for the Prospectors and Developers Association of Canada, and co-developed the innovative tool SocialLicense™ – quantitative metrics for the Social License to Operate.