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The INGENUITY GAP

CAN WE
SOLVE THE
PROBLEMS
OF THE
FUTURE?



The Ingenuity Gap

Dana Cook Grossman, Heinz Valtin

Ingenuity Gap The:

The Ingenuity Gap Thomas Homer-Dixon, 2011-04-30 Is our world becoming too complex and too fast paced to manage The challenges facing human societies from international financial crises and global climate change to pandemics of tuberculosis and AIDS converge intertwine and often remain largely beyond our ken Most of us suspect that the experts don't really know what's going on and that as a species we have released forces that are neither managed nor manageable This is the ingenuity gap the term coined by Thomas Homer Dixon the critical gap between our need for practical and innovative ideas to solve complex problems and our actual supply of those ideas Homer Dixon shows us how in our complex world while poor countries are particularly vulnerable to ingenuity gaps our own rich countries are no longer immune When the gap widens political disintegration and violent upheaval can result reaching into our own economies and daily lives in subtle unforeseen ways

The Ingenuity Gap Maren Leed, 2010 American officers are the bedrock of military success They face a whirlwind of change that is picking up speed yet their preparation is dictated by a system based on stability and predictability that if they ever existed certainly do not exist today Others have identified many of the same problems and have offered some of the same solutions explored in much greater depth than we were able to accomplish here Yet strikingly few changes have been made This reluctance primarily cultural and institutional cannot persist Failing to adapt the officer management system to better align with the future will put U.S. officers at a growing disadvantage placing more and more of a burden upon them as individuals to overcome a bureaucracy that ideally would be dedicated to supporting their success The ingenuity gap is real and growing and our officers are caught in it DOD should immediately implement changes to officer management to close this gap

The Ingenuity Gap Thomas F. Homer-Dixon, 2002 *Environmental Change and Security Project Report*, 2001

Reinventing Discovery Michael Nielsen, 2020-04-07 Reinventing Discovery argues that we are in the early days of the most dramatic change in how science is done in more than 300 years This change is being driven by new online tools which are transforming and radically accelerating scientific discovery

Privatizing Peace: From Conflict to Security Allan Gerson, Nat Colletta, 2022-06-08 Privatizing Peace From Conflict to Security pinpoints the weaknesses in the numerous peacekeeping missions of recent decades as well as the blind spots in the thinking that guided them Even more significantly they clearly demonstrate the ways in which well meaning stabilization and reconstruction programs fail to accommodate the economic and social imperatives of war torn societies But this visionary work is not merely an indictment of First World myopia in the face of Third World devastation The authors offer cogent well thought out recommendations firmly grounded in current reality with a powerful determination to avoid the repetition of past mistakes Published under the Transnational Publishers imprint

Prologue and Chapter 1 Careening Into the Future: The Ingenuity Gap Thomas Homer-Dixon, 2002-08-13 Despite all of society's advances our problems

proliferate Wars abound environmental degradation accelerates economies topple overnight and pandemics such as AIDS

and tuberculosis continue to spread The Internet and other media help to disseminate knowledge but they ve also created an info glut and left us too little time to process it What s more advances in technology have made the world so bewilderingly fast paced and complex that fewer people are able even to grasp the problems let alone generate solutions That space between the problems that arise and our ability to solve them is the ingenuity gap and as we careen towards an increasingly harried and hectic future the gap seems only to widen As he explores the possible consequences of this gap Thomas Homer Dixon offers an absorbing assessment of the state of the world and our ability to fix it Culling from an astounding array of fields from economics to evolution political science to paleontology computers to communications he integrates his vast knowledge into an accessible and engaging argument This is a book with profound implications for everyone that we can ill afford to ignore

Digital Bridges John Senyo C. Afele,2003 Globalization and global equity are built on the premise of peace The causes of many divisions and tensions in human communities lie in the imagined or real gain of financial or material assets of some elements of the community to be at the expense of others The global community however lacks clear definitions and methods of stability whether political economic or social Digital Bridges Developing Countries in the Knowledge Economy provides insight into the methods and theories behind the globalization of information technologies

Braving the New World Thomas Michael Joseph Bateman,Manuel Mertin,David Martin Thomas,1999-12 **Technology, Trade and the New Economy** University of Ottawa. Program of Research in International Management and Economy,1995

International Journal ,2006 **Great Issues for Medicine in the Twenty-first Century** Dana Cook Grossman,Heinz Valtin,1999 These proceedings examine intriguing issues connected with the advances in the biomedical sciences including the human genome the origin and substrate of thinking healthcare and the crisis of human crowding They also delve into future ethical and social issues for medicine Quill & Quire ,2005 **Just Transitions** Mark Swilling,Eve Annecke,2012 Current economic growth strategies around the world are rapidly depleting natural resources and eco systems Just Transitions provides an overview of these challenges from a Global South perspective How do developing countries eradicate poverty via economic development while encountering the consequences of global warming and dwindling supplies of clean water productive soils cheap oil minerals and other resources How do they address widening inequalities as well as the need to rebuild ecosystem services and natural resources This book considers a just transition which reconciles the sustainable use of natural resources with a pervasive commitment to sufficiency where over consumers are satisfied with less so that under consumers can secure enough It synthesises a range of different literatures to illuminate new ways of thinking from a sustainability perspective It rethinks development with special reference to the greening of the developmental state explores the key role that cities could play in the transition to a more sustainably urbanised world highlights the neglect of soils and examines the potential of sustainable agriculture to feed the world Case studies drawn from Africa detail the challenges but they are set in the context of global trends The authors conclude with their experience of building a community that aspires

to live sustainably **International Security Challenges in a Changing World** Kurt R. Spillmann, Joachim Krause, 1999
Bern Berlin Bruxelles Frankfurt M New York Wien 1999 **Discussion Paper**, 2000 *Confronting Civil War* Luka Biong
Deng, 2002 Civil wars have become endemic to many African countries since the end of the Cold War. The risk of civil wars in much of Africa stands now as the leading contributory cause of vulnerability. This upsurge of civil wars has posed a compelling need to improve understanding for better policy direction. Most of the current studies on civil wars tend to focus on macro issues with limited relevance and conceptualisation at micro level. The dearth of understanding of household livelihood strategies in the war zone has made the existing studies in risk and livelihood literature unwittingly equating these strategies with those in the context of other risk events or even ruled out any rational household risk management behaviour. In this regard this study is an attempt to gain a nuanced understanding of the subde household livelihood strategies in the context of civil war. In an attempt to unravel and better understand household risk related behaviours in the context of civil war this thesis set out a framework called the Risk Livelihood Approach that links risk events in a systematic way to household livelihood strategies and their outcomes. The framework provides the basis for fonnulating the main four hypotheses of the thesis which are related to characteristics of risk events livelihood strategies and diversification social capital and vulnerability. In an attempt to provide a better understanding of these hypotheses comparative empirical inquiries were undertaken at household level in Bahr el Ghazal region in southern Sudan which has been exposed to a protracted civil war. The major empirical findings from a general case study of Sudan s civil war and three specific case studies of households exposed to different types of counter insurgency warfare and drought all point to complexity and context specificity. The thesis clearly shows the significance of specific characteristics of counter insurgency warfare in understanding household livelihood strategies and vulnerability. In particular the thesis demonstrates that the standard pattern of vulnerability and household responses to drought is similar to that in the context of exogenous counter insurgency warfare while a different pattern of vulnerability and household responses to endogenous shocks such as endogenous counter insurgency warfare is identified. Specifically the thesis surprisingly finds a positive link between level of vulnerability and initial high level of household wealth in the context of endogenous counter insurgency warfare. A future research agenda in the area of vulnerability might need to focus on developing a greater understanding of the nature and characteristics of risk events such as endogenous shocks **The Assertion of Rights to Agro-pastoral Land in North Cameroon** Ruth Noorduyn, 2005

Making Sense of Place Frank Vanclay, Matthew Higgins, Adam Blackshaw, 2008 *Making Sense of Place* is a book of selected proceedings from the Senses of Place conference held in Hobart in April 2006. It explores place from myriad perspectives and through evocative encounters. The Barrier Reef is experienced through the sense of touch. Lake Mungo is encountered through sound and listening and light is shed on the meaning of place for deaf people. Case studies include the Maze prison, Inuit hunting grounds and the songlines of the Anangu people. Iconic landscapes, lookouts, gardens, grieving

places the car place all provide contexts for experiencing and understanding place Provided by publisher

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