

# Scaling Up

This report examines six mechanisms that can be used to scale-up financing for biodiversity conservation and sustainable use and to help meet the 2011-20 Aichi Biodiversity Targets.

This integrated collection covers a range of parallelization platforms, concurrent programming frameworks and machine learning settings, with case studies.

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This book will help industrial process innovators in research, development and commercial start-up to assess the risks of commercial-scale implementation and provide them with practical guidelines and methods to reduce the risks to acceptable levels. The book can also be used in co-operation with industrial R&D people and academic researchers to shape open innovation programs and in education as a reference book for process innovation courses. Offers easily accessible, step-by-step, and concise guidelines for industrial process scale-up Explains each stage of the innovation funnel: research, development, demonstration, commercial implementation for any process type and branch Based on industrial experiences and practices, which reduces the risks of commercial scale implementation of new processes to acceptable levels and reduces cost and time of process innovation Very clear, attractive layout, using text boxes that contain clarifying notes and additional information on specific topics, which makes it a quick reference of main subjects

and additional information

The review was conducted with the aim to provide guidance for future engagement/investments, in particular in the context of recent AU declarations on agriculture and on land restoration by NEPAD, GEF, TerrAfrica, the Great Green Wall Initiative for the Sahel and Sahara (GGWISS), UN agencies and other donors. This paper provides an abridged summary of the findings for easier access by country policy / decision makers, agencies, development partners and donors, as a basis for informing future interventions for scaling-up sustainable land management (SLM).

In their efforts to increase the share of renewable in electricity grids to reducing emissions or increasing energy diversity, developed and developing countries are finding that a considerable scale-up of investments in transmission infrastructures will be necessary to achieve their goals. Renewable energy resources such as wind, solar, and hydro power, tend to be sited far from existing electricity grids and consumption centers. Achieving desired supply levels from these sources requires that networks be expanded to reach many sites and to ensuring the different supply variation patterns of renewable are combined with existing sources in the grid to ensure the constantly varying demand for electricity is always met. Expanding networks will be crucial to achieve renewable energy objectives efficiently and effectively. Efficiency is important to ensure renewable energy goals are achieved at the lowest cost while considering needed investment in transmission. Besides the cost of transmission, which is often worth,

transmission needs be planned and built in such a way that the many sites being tapped are connected in a timely fashion. The challenges of ensuring efficiency and efficacy in developing transmission for renewable become surmountable if the right planning and regulatory framework for expanding transmission are put in place. This report reviews emerging approaches being undertaken by transmission utilities and regulators to solve to cope with these challenges of expanding transmission for renewable energy scale-up. Proactively planning and regulating transmission networks are emerging as the premier approach to ensure that transmission networks are expanded efficiently and effectively. Linking planning with clear and stable cost-recovery regulation can also help bringing the private sector to complement the considerable investment needs in transmission. Based on the evolving experience and on established theory and practice on transmission regulation, the report also proposes some principles that could be useful to implement specific rules for the planning, development, and pricing of transmission networks.

This book was written by IBM® IT specialists who have experience implementing Linux solutions on IBM LinuxONETM (LinuxONE). The contents of this book follow the guidelines from Linux regarding LinuxONE installations. The preferred practices that are described in this book are gathered from the experiences of those specialists in hundreds of projects at IBM and customer environments. This IBM Redbooks® publication provides you with the information needed in making a decision on

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scaling architecture when implementing Linux on LinuxONE. This book has the following goals: To inform you about x86 sprawl problems To inform you that x86 Vertical Scale out architectures are problematic going forward To provide solutions to x86 server sprawl problems To inform you about the LinuxONE solution for each x86 server sprawl problem To provide virtualization and security options for LinuxOne The scaling up and scaling out architectures enable you to scale the capacity of an existing system to accommodate sporadic application demands or application workloads. This provides some freedom to operate in the environment. However, if this activity is performed without correct planning and the correct architecture choice, it leads to server sprawl where your environment houses more servers than it should based on its current and predicted requirements. This can potentially cause your enterprise to both waste resources and increase costs. Although scaling out on x86 systems is a common form of growth because of inexpensive x86 systems, the scale out can easily become a problem in terms of total cost of ownership (TCO) when the environment starts to increase the number of physical servers and the resources needed to maintain them. LinuxONE servers solve the sprawl problem caused by the scaling out of x86 servers, and are an excellent choice for cloud, mobile, big data, blockchain, analytics, and other workloads that require a robust and flexible environment. This publication describes the advantages and disadvantages of the LinuxONE scaling option. The audience for this publication consists of the following

groups: Customers, IBM Business Partners, IT architects and IT Specialists planning and installing Linux on LinuxONE System administrators managing the Linux Systems

Research Reports The publications in this series cover a wide range of subjects—from computer modelling to experience with water user associations—and vary in content from directly applicable research to more basic studies, on which applied for work ultimately depends. Some research reports are narrowly focused, analytical and detailed empirical studies; others are wide-ranging and synthetic overviews of generic problems. Although most of the reports are published by IWMI staff and their collaborators, we welcome contributions from others. Each report is reviewed internally by IWMI staff, and by external reviewers. The reports are published and distributed both in hard copy and electronically ([www.iwmi.org](http://www.iwmi.org)) and where possible all data and analyses will be available as separate downloadable files. Reports may be copied freely and cited with due acknowledgement

In education, there is no shortage of extraordinary teaching, innovative programs, and successful schools. The big challenge lies in spreading these "best practices" beyond the local scene—in "scaling up" success. Technology has the potential to influence a broad spectrum of educators and students beyond the walls of an individual classroom, but its role in seeding larger change has not been well documented up to now. This book focuses on the challenge of integrating technology as part of larger school improvement efforts. It offers

valuable insights that will help those trying to scale up any form of improved educational policy or practice. Drawing from the information presented at a conference sponsored by the Harvard Graduate School of Education and the Mid-Atlantic Regional Technology in Education Consortium, leading educators, researchers, and policymakers, *Scaling Up Success* translates theory into practice and provides a hands-on resource that clearly describes different models for "scaling up" success. This important resource is filled with illustrative examples of best practices that are grounded in real-life case studies of technology-based educational innovation—from networking a failing school district in New Jersey to using computer visualization to teach scientific inquiry in Chicago. *Scaling Up Success* shows how the lessons learned from technology-based educational innovation can be applied to other school improvement efforts. The authors address key themes such as Coping with change Constituent support Building human capacity Effective decision making *Scaling Up Success* offers a much-needed resource for educators, policymakers, and leaders who must comply with the mandate to enact research-based practice and will serve as a guide to benefit present and future efforts to strengthening American education.

Radically embodied cognitive science (REC) is typically concerned with basic cognition such as perception and action. However, complex cognition or higher-order cognition is difficult to explain for REC, as these theories eschew traditional representational explanations. This leaves REC with a scaling-up problem. In this

dissertation I will explore options for REC to fix its scaling-up problem. I am specifically interested in auto-noetic cognition, which is the ability to remember and imagine objects and events in the way they would be experienced if they were immediately present to be perceived. I contend that a simulationist account provides many of the necessary conceptual tools for understanding auto-noetic cognition from a REC perspective. Furthermore, simulationist accounts are generally useful, as they are suggestive of a way to understand the observed neural activity and can be used to make empirical predictions. I will examine different simulationist theories in order to determine whether or not they can cohere with REC and help solve the scaling-up problem. Eventually I will argue that the REC commitment to reject representations makes the scaling-up problem insurmountable at this time. .

Offers techniques for growing a business into a dominant industry force, focusing on four important decision areas that are fundamental to successful company growth. Increasing food production in the face of a growing population, while adapting to and mitigating climate change constitutes a main challenge for the global agricultural sector. This study identifies, analyses and contextualizes regional initiatives related to agriculture and climate change in developing countries. In order to identify needs for improvements and possibilities for replication or scale-up, a review of recently launched initiatives is combined with a SWOT analysis. Moreover, the study places initiatives in the context of INDCs of Sub-Saharan African countries submitted under the

UNFCCC. As a result, recommendations on how to develop and implement best practice agriculture climate change initiatives are presented.

Presenting guidelines to predict and improve separation system performance, this book contains numerous case studies illustrating the practice of scale-up principles in process development. It offers solutions to limitations that occur in real-world purification schemes; methods to model, optimize, and characterize nonlinear separation processes; d

What is school reform? What makes it sustainable? Who needs to be involved? How is scaling up achieved? This book is about the need for educational reforms that have built into them, from the outset, those elements that will see them sustained in the original sites and spread to others. Using the Te Kotahitanga Project as a model the authors branch out from the project itself to seek to uncover how an educational reform can become both extendable and sustainable. Their model can be applied to a variety of levels within education: classroom, school and system wide. It has seven elements that should be present in the reform initiative from the outset. These elements include establishing goals and a vision for reducing disparities; embedding a new pedagogy to depth in order to change the core of educational practice; developing new institutions and organisational structures to support in-class initiatives; developing leadership that is responsive, proactive and distributed; spreading the reform to include all teachers, parents, community members and external agencies; developing and using appropriate measures of performance as evidence for

modifying core classroom and school practices; creating opportunities for all involved to take ownership of the reform in such a way that the original objectives of the reform are protected and sustained. This book is an essential read for anyone who is involved in the process of trying to achieve sustainable school reform that addresses the question of how mainstream schools can effectively address the learning needs of students currently not well served by education. The authors of this book are descended from a number of Maori tribes in New Zealand. They are part of the growing ethnic revitalisation movement that has seen Maori people seeking their own solutions to the ongoing social, economic, and political disparities that continue to plague Maori people in Aotearoa New Zealand. This book focuses on their attempts to work within, and change, mainstream classrooms to include all children in the benefits that education has to offer.

It is widely accepted that innovation holds the key to sustainable commercial growth globally, but in practice there is limited understanding of how to successfully exploit its full commercial and social value. The Scale-up Manual provides a unified approach to manage the creation and commercialisation of innovative products and services, enabled by four data-driven building blocks: the Triple Chasm Model, modified commercialisation readiness levels, meso-economic vectors and the commercialisation canvas. The approach supports different strategies for resource allocation, ranging from 'lean' techniques to sustainability initiatives based on the circular economy. The Manual includes

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many case studies and insights, which different 'Actors' can use at different points along the commercialisation journey.

Tingyue Gu's second edition provides a comprehensive set of nonlinear multicomponent liquid chromatography (LC) models for various forms of LC, such as adsorption, size exclusion, ion-exchange, reversed-phase, affinity, isocratic/gradient elution and axial/radial flow LC. Much has advanced since the first edition of this book and the author's software, described here, is now used for teaching and research in 32 different countries. This book comes together with a complete software package with graphical user interface for personal computers, offered free for academic applications. Additionally, this book provides detailed methods for parameter estimation of mass transfer coefficients, bed voidage, particle porosity and isotherms. The author gives examples of how to use the software for predictions and scale-up. In contrast to the first edition, authors do not need to deal with complicated math. Instead, they focus on how to obtain a few parameters for simulation and how to compare simulation results with experimental data. After reading the detailed descriptions in the book, a reader is able to use the simulation software to investigate chromatographic behavior without doing actual experiments. This book is aimed at readers who are interested in learning about LC behaviors and at those who want to scale up LC for preparative- and large-scale applications. Both academic personnel and industrial practitioners can benefit from the use of the book. This new edition includes: - New models and software for

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pellicular (cored) beads in liquid chromatography - Introduction of user-friendly software (with graphical user interface) - Detailed descriptions on how to use the software - Step-by-step instructions on parameter estimation for the models - New mass-transfer correlations for parameter estimation - Experimental methods for parameter estimation - Several actual examples using the model for product development and scale-up - Updated literature review

Malnutrition is a huge burden on the Arab Republic of Egypt's economy. Undernutrition—manifested by poor linear growth (stunting), wasting, and micronutrient deficiencies in children and by anemia among women of reproductive age—collectively saps an estimated two percent of Egypt's annual gross domestic product through forgone productivity and health care costs, representing an economic hemorrhaging of billions of U.S. dollars per year. Adding to this challenge is the co-occurrence of overweight and obesity among children, leading to a malnutrition double burden. *Scaling Up Nutrition in the Arab Republic of Egypt* aims to inform the development of nutrition policy and guide nutrition investments over the coming years. It reviews Egypt's nutrition situation, the interventions currently in place, and the opportunities, costs, benefits, and fiscal space implications of scaling up a set of high-impact interventions to address undernutrition. The book, a collaborative effort between the World Bank and UNICEF, is targeted at all those involved in developing and implementing nutrition interventions in Egypt and beyond.

This publication summarizes the outcomes of the 2nd international Symposium on Agroecology.

*Scaling Up* How a Few Companies Make It... and Why the Rest Don't  
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Large and growing opportunity costs are resulting from the inability to produce sophisticated, reliable software in a timely manner. Software engineering presents stubborn problems, but in this book, a group of experts suggest several constructive directions for research. Together, they support the need for greater interaction between researchers and practitioners and more aggressive efforts to share and reuse software engineering knowledge.

This book provides an excellent framework to analyse the experience of a wide variety of successful initiatives across the world and draws attention to critical issues that practitioners need to think about when designing poverty reduction interventions and scaling up. Bill Tod, Regional MDG Adviser, SNV Asia With its wide regional coverage, and frank discussions of issues and problems encountered in designing projects that directly tackle poverty, this will be a very useful reference book for NGOs, INGOs, and also for multilateral institutions. Johanna Boestel, Country Economist, Asian Development Bank, Sri Lanka Resident Mission We are now at the midpoint for achieving the Millennium Development Goals and the objective of halving poverty by 2015. Despite commendable efforts and much progress, up to 750 million people are still living in absolute poverty. To lift these people out of poverty, macro-economic policies must be complemented by targeted and local level poverty reduction. This book looks at twenty of the most innovative case studies of poverty reduction and Millennium Development Goal localization from fifteen countries - Afghanistan, Bangladesh, Cambodia, China, Egypt, India, Indonesia, Malaysia, Mexico, Nepal, Paraguay, Philippines, Sri Lanka, Thailand and Vietnam - covering diverse issues ranging from housing and tourism to socio-economic empowerment of women, health insurance and markets for livestock produce. Many of the cases started as small scale

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interventions by NGOs, donors or government pilots but now they are being scaled up to form part of national policy or replicated across their respective countries. Yet why do some work while others do not? What are the stumbling blocks and how can they be overcome? And what lessons and principles are there for replicating and scaling up poverty reduction initiatives worldwide? This book tackles these questions and more, and presents a wealth of knowledge, evidence and ideas for all practitioners and researchers working to reduce poverty at the local level while aiming to achieve a global impact. Published with UNDP

Over the next decade, African countries are expected to be the largest beneficiaries of increased donor aid, which is intended to improve their prospects for achieving the Millennium Development Goals. This handbook will help these countries assess the macroeconomic implications of increased aid and respond to the associated policy challenges. The handbook is directed at policymakers, practicing economists in African countries, and the staffs of international financial institutions and donor agencies who participate in preparing medium-term strategies for African countries, including in the context of poverty reduction strategy papers. It provides five main guidelines for developing scaling-up scenarios to help countries identify important policy issues involved in using higher aid flows effectively: to absorb as much aid as possible, to boost growth in the short to medium term, to promote good governance and reduce corruption, to prepare an exit strategy should aid levels decrease, and to regularly reassess the policy mix.

thimblesofplenty is a group of friends who also happen to be business people and avid readers. We wanted to keep up with the latest business books but found that time was a factor. So we divided out the work and each of us took a book

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and summarised it for the others. We thought it might be a great idea to share these summaries with you. For a small price and a 3 minute time investment, our summary gives you some of the wisdom from the book, some food for thought and hopefully the impetus to make some time to read the whole book!

The individual and institutional capacities required for the prevention and reduction of nutritional insecurity and hunger in lesser-developed countries as the twenty-first century approaches are identified in this book. Household nutritional "security" can be defined as the successful The essays in this book champion the idea of increasing, or scaling up, grass roots operations to provide nutritional security, while scaling down the efforts of national and international institutions. Scaling up involves strengthening local capacities to improve and expand upon current successful programs by building upon existing local culture and organizations. This, in turn, enables the programs to strengthen relationships with national governments, international bilateral/multilateral donors, as well as non-governmental organizations. Scaling down concerns the ways and means by which these various organizations encourage and complement the local development. Therefore, as local capacities are scaled up, the national/international control over decisions and functions is, ideally, scaled down. The volume also directly addresses the resultant complication: how to create programs that are both culturally specific and that will flourish well into the future.

One of the greatest challenges for startup teams is scaling because usually there's not a blueprint to follow, people are learning their function as they go, and everyone is wearing multiple hats. There can be lots of trial and error, lots of missteps, and lots of valuable time and money squandered as companies scale. Matt Blumberg and his team understand

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the scaling challenges—they've been there, and it took them nearly 20 years to scale and achieve a successful exit. Along the way they learned what worked and what didn't work, and they share their lessons learned in *Startup CXO*. Unlike other business books, *Startup CXO* is designed to help each functional leader understand how their function scales, what to anticipate as they scale, and what things to avoid. Beyond providing function-specific advice, tools, and tactics, *Startup CXO* is a resource for each team member to learn about the other functions, understand other functional challenges, and get greater clarity on how to collaborate effectively with the other functional leads. CEOs, Board members, and investors have a book they can consult to pinpoint areas of weakness and learn how to turn those into strengths. *Startup CXO* has in-depth chapters covering the nine most common functions in startups: finance, people, marketing, sales, customers, business development, product, operations, and privacy. Each functional section has a "CEO to CEO Advice" summary from Blumberg on what great looks like for that CXO, signs your CXO isn't scaling, and how to engage with your CXO. *Startup CXO* also has a section on the future of executive work, fractional and interim roles. Written by leading practitioners in the newly emergent fractional executive world, each function is covered with useful tips on how to be a successful fractional executive as well as what to look for and how to manage fractional executives. *Startup CXO* is an amazing resource for CEOs but also for functional leaders and professionals at any stage of their career." —Scott Dorsey, Managing Partner, High Alpha

Sealing up in Hydrology using Remote Sensing Edited by J. B. Stewart Institute of Hydrology, UK E. T. Engman NASA Goddard Space Flight Center, USA R. A. Feddes Wageningen Agricultural University, The Netherlands Y. Kerr Centre d'Etudes Spatiales de la Biosphere, France The most

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pressing modern environmental problems are considered to affect the entire globe. For example, climate change, deforestation and desertification are all happening on such a large scale that they may affect the sustainability of man's future. What is needed to address this question quantitatively are more reliable data on large scale land use and land-use change, and their impacts on water resources and climate. The catch is that we are never going to be able to measure directly key hydrological and meteorological variables at enough points on the ground to give adequate description of the large areas (regions and continents) for which information is required. The only way to get this is via large scale modelling and the development of remote sensing techniques. This book brings together the presentations made at a recent workshop by experts, who met to consider the problems of scaling up from local to global spatial scales and from the instantaneous satellite measurements to daily or longer time scales. The authors' collective views represent the state of the art of their science as seen by an active international remote sensing community, and ground and planetary-based measurement scientists and modellers. The front cover illustration is reproduced courtesy of N. Fey

Intended for students and practitioners who have a basic education in chemical engineering or food science. Contains basic information in each area and describes some of the fundamental ideas of processing development and design. Examines the food industry structure, how it works, consumer products,

Having gained considerable experience in process development at the Institut FranCais du PEtrole, the authors present a design framework, a review of the available means of investigation, and several examples illustrating their methodology of industrial process scale up. The salient feature of the book is the fact that it addresses a subject

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which is vital in view of its economic repercussions, yet relatively unknown in technical and scientific circles, due to the confidentiality surrounding it. Contents: 1. Main guidelines of the methodology. 2. Various types of model. 3. Pilot plants and mock-ups. 4. Experimental techniques. 5. Applications to industrial process development. 6. Conclusions. References. Index.

An estimated forty million people carry the human immunodeficiency virus (HIV), and five million more become newly infected annually. In recent years, many HIV-infected patients in wealthy nations have enjoyed significantly longer, good-quality lives as a result of antiretroviral therapy (ART). However, most infected individuals live in the poorest regions of the world, where ART is virtually nonexistent. The consequent death toll in these regions—especially sub-Saharan Africa—is begetting economic and social collapse. To inform the multiple efforts underway to deploy antiretroviral drugs in resource-poor settings, the Institute of Medicine committee was asked to conduct an independent review and assessment of rapid scale-up ART programs. It was also asked to identify the components of effective implementation programs. At the heart of the committee's report lie five imperatives: Immediately introduce and scale up ART programs in resource-poor settings. Devise strategies to ensure high levels of patient adherence to complicated treatment regimens. Rapidly address human-resource shortages to avoid the failure of program implementation. Continuously monitor and evaluate the programs to form the most effective guidelines and treatment regimens for each population. Prepare to sustain ART for decades.

A concrete framework for engaging today's buyer and building relationships Social Selling Mastery provides a key resource for sales and marketing professionals seeking a better way to connect with today's customer. Author Jamie

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Shanks has personally built Social Selling solutions in nearly every industry, and in this book, he shows you how to capture the mindshare of business leadership and turn relationships into sales. The key is to reach the buyer where they're conducting due diligence—online. The challenge is then to strike the right balance, and be seen as a helpful resource that can guide the buyer toward their ideal solution. This book presents a concrete Social Selling curriculum that teaches you everything you need to know in order to leverage the new business environment into top sales figures. Beginning with the big picture and gradually honing the focus, you'll learn the techniques that will change your entire approach to the buyer. Social Selling is not social media marketing. It's a different approach, more one-to-one rather than one-to-many. It's these personal relationships that build revenue, and this book helps you master the methods today's business demands. Reach and engage customers online Provide value and insight into the buying process Learn more effective Social Selling tactics Develop the relationships that lead to sales Today's buyers are engaging sales professionals much later in the buying process, but 74 percent of deals go to the sales professional who was first to engage the buyer and provide helpful insight. The sales community has realized the need for change—top performers have already leveraged Social Selling as a means of engagement, but many more are stuck doing "random acts of social," unsure of how to proceed. Social Selling Mastery provides a bridge across the skills gap, with essential guidance on selling to the modern buyer. This edited work presents studies that clarify the basics of producing recombinant enzymes that finally lead to commercialization. It enables researchers to see what is crucial to the commercialization process, from examining the cloning method, using analytical techniques such as calculating the total protein content and enzyme activity,

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through considering upstream and downstream processes, to the final product. Readers will discover the importance of the cloning method as it influences the upstream and downstream processes and determines the level of success of the recombinant enzyme commercialization processes. We see that the two main factors that are particularly sensitive during the cloning process are the vector and the host. A discussion of analytical techniques is presented followed by studies on important stages during the upstream processes including the process of optimizing the media to get results and high enzyme activity. Downstream processes such as the cell disruption technique, purification and formulation of the final product are then considered. The reader is introduced to software that helps streamline recombinant enzyme production from the upstream to downstream processes, to facilitate the process of up-scaling production. This work includes a case study as tool, to guide understanding of the commercialization process. The work is written for researchers in the field and is especially suited to those who are under pressure to embark on the tough process of commercialization.

This study—which includes a pilot intervention in Kenya—aims to further the state of knowledge about the emerging trend of disruptive agricultural technologies (DATs) in Africa, with a focus on supply-side dynamics. The first part of the study is a stocktaking analysis to assess the number, scope, trend, and characteristics of scalable disruptive technology innovators in agriculture in Africa. From a database of 434 existing DAT operations, the analysis identified 194 as scalable. The second part of the study is a comparative case study of Africa's two most successful DAT ecosystems in Kenya and Nigeria, which together account for half of Sub-Saharan Africa's active DATs. The objective of these two case studies is to understand the successes, challenges, and opportunities

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faced by each country in fostering a conducive innovation ecosystem for scaling up DATs. The case study analysis focuses on six dimensions of the innovation ecosystem in Kenya and Nigeria: finance, regulatory environment, culture, density, human capital, and infrastructure. The third part of the study is based on the interactions and learnings from a pilot event to boost the innovation ecosystem in Kenya. The Disruptive Agricultural Technology Innovation Knowledge and Challenge Conference in Nairobi, Kenya, brought together more than 300 key stakeholders from large technology companies, agribusiness companies, and public agencies; government representatives and experts from research and academic institutions; and representatives from financial institutions, foundations, donors, and venture capitalists. *Scaling Up Disruptive Agricultural Technologies in Africa* concludes by establishing that DATs are demonstrating early indications of a positive impact in addressing food system constraints. It offers potential entry points and policy recommendations to facilitate the broader adoption of DATs and improve the overall food system.

\* Our summary is short, simple and pragmatic. It allows you to have the essential ideas of a big book in less than 30 minutes. By reading this summary, you will discover how to turn a medium-sized company into a real success machine. You will also discover that : scaling up is a considerable challenge for medium-sized companies; a successful business rests on four pillars: people, strategy, execution and cash flow; to succeed, all teams must adhere to well-defined values, goals and priorities; the implementation of precise and efficient processes, based in particular on Lean Management, can lead to impressive progress. Mid-sized companies have their

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own challenges, which can make it difficult to manage their growth. To be successful, they must therefore establish an efficient organization and differentiate themselves through their strategy and values. Investor Verne Harnish, founder of the education and coaching company Gazelles, offers you to adopt a method and concrete tools to implement best practices in your structure. \*Buy now the summary of this book for the modest price of a cup of coffee!

Scale-Up in Education, Volume 1: Ideas in Principle examines the challenges of 'scaling up' from a multidisciplinary perspective. It brings together contributions from disciplines that routinely take promising innovations to scale, including medicine, business, engineering, computing, and education. Together the contributors explore appropriate methods for estimating the effects of innovations in larger, more diverse settings and provide theories and models to guide the design of innovations most likely to remain viable at large scales.

Learn About The Best Ways To Grow And Optimize Your Business Today In A Fraction Of The Time It Takes To Read The Actual Book!!! Today only, get a summary and analysis of this 1# Amazon bestseller for just \$2.99.

Regularly priced at \$9.99. Read on your PC, Mac, smart phone, tablet or Kindle device This book offers ideas and tools for CEOs and executives to implement immediately so they can improve their businesses. The book is the first major revision of Mastering the Rockefeller Habits, which was published twelve years before, in 2002. In the introduction, the author Verne Harnish explains how

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Scaling Up is different from its predecessor. He notes that you do not need to read Mastering the Rockefeller Habits before reading this new book, and he explicitly lists what appears in the newer version that was absent in the older book. Three-quarters of Scaling Up is new material; one quarter of the information it gives also appeared in Mastering the Rockefeller Habits. Scaling Up has a different organization; it has four sections that Harnish claims are the four decisions a business leader must address: people, strategy, execution, and cash. The One-Page Strategic Plan has been updated and expanded, and other one-page tools have been added. The practical examples provided by CEOs are included throughout the chapters rather than stored in the appendix. Last of all, Scaling Up provides troubleshooting on why certain techniques falter and how to ensure they succeed. Here Is A Preview Of What You'll Learn When You Download Your Copy Today How To Mange One Of The Most Difficult Business Endeavors: Growth! What Happens Behind The Scenes When A Company Grows Learn About How To Keep Employees Happy and Motivated Download Your Copy Today! The contents of this book are easily worth over \$9.99, but for a limited time you can download the summary of "Scaling Up" for a special discounted price of only \$2.99

This book presents an integrated collection of representative approaches for scaling up machine learning and data mining methods on parallel and distributed computing platforms. Demand for parallelizing learning algorithms is highly task-specific: in some

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settings it is driven by the enormous dataset sizes, in others by model complexity or by real-time performance requirements. Making task-appropriate algorithm and platform choices for large-scale machine learning requires understanding the benefits, trade-offs, and constraints of the available options. Solutions presented in the book cover a range of parallelization platforms from FPGAs and GPUs to multi-core systems and commodity clusters, concurrent programming frameworks including CUDA, MPI, MapReduce, and DryadLINQ, and learning settings (supervised, unsupervised, semi-supervised, and online learning). Extensive coverage of parallelization of boosted trees, SVMs, spectral clustering, belief propagation and other popular learning algorithms and deep dives into several applications make the book equally useful for researchers, students, and practitioners.

This tribute to the engineers who transformed laboratory reactions into large production facilities focuses on petroleum refining and penicillin production. The book accompanies CHF's traveling exhibit by the same name.

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