

Schiller Institute Special Report: Extending the New Silk Road to West Asia (Middle East) and Africa: A Vision of an Economic Renaissance,

This **246-page** special report was released in **November 2017**. It was authored by Hussein Askary and Jason Ross and a Schiller Institute team.

Here is the introduction to the report, followed by the Table of Contents.

Order information:

Please order from The Schiller Institute in Denmark.

Tel: 53 57 00 51; 35 43 00 33, mich.ras@hotmail.com

Printed version: 400 kr. regular mail; 425 kr.via Quickbrev

Pdf: 200 kr.

Payment to The Schiller Institute

Homebanking: 1551-5648408

Giro: 5648408

The report can also be picked up at our office:

Sankt Knuds Vej 11, basement left, 1903 Frederiksberg.

Please call or write to arrange: 53 57 00 51; 35 43 00 33, mich.ras@hotmail.com

Introduction:

Download (PDF, Unknown)

Table of Contents:

Preface

Introduction

A New Global Paradigm 11

China's Role in the Economic Renaissance of West Asia and Africa 14

What is Win-Win Philosophy? 16

The Age of Mega-Projects Is Back 21

Redefining 'Sustainable Development' 22

'Helping' or Empowering Africa 24

The African Union Aims High 25

Africa Must Leap Ahead, Not Crawl Forward! 28

Chapter 1: West Asia: The Silk Road's Crossroads to the Mediterranean and Africa 29

Egypt: A Bridge between Asia, Europe and Africa 30

Chapter 2: The Silk Road Reaches Africa 33

China in Africa: Myths or Facts 36

Europe, not China, Is Engaged in Land Grabbing in Africa 37

Defining an African Future 40

Chapter 3: The Economic Science Behind the World LandBridge 41

What is Infrastructure, Really? 41

Economics: The Ultimate Science 41

Platforms: Artificial Environments 44

Energy Flux Density 45

Power and Energy 45

Promethean 'Fire' 46

Aspects of the 'Synthetic Environment' 48

Materials 48

Water 49

Transportation 50

Energy 53

Space 55

A Future Platform: Nuclear Fusion 56

Nuclear Power: Fission and Fusion 56

Benefits of Fusion 58

New, Unique Applications of Fusion 59

Conclusion 60

Chapter 4: Financing Regional and National Infrastructure 63

Money vs. Credit 63

Credit and Productivity 64

Invariance of Historical and Modern Examples 66

President Roosevelt's RFC 68

A Southwest Asia/Africa Regional Infrastructure Bank 69

Cooperation with International Development Banks 70

Public-Private Partnerships Cannot Substitute 73

Appendix: Egypt: Internal financing of development 74

A National Reconstruction and Development Bank 74

Appendix: “LaRouche on Money vs. Credit” 75

Chapter 5: Demography and Development 77

Case Study: Egypt—Myth of Overpopulation 79

Moving Forward and Outward 80

Egypt Reclaims the Desert 81

The New Nile Valley 82

Chapter 6: Integration of West Asia with the New Silk Road 85

The Bridge Among Continents 85

Completing the Land-Bridge Westward 87

Proposed Corridors Integrating Arab States 90

A Common Enemy: The Desert 91

Attacking the Desert from the Fertile Crescent 91

Petrochemicals: Industry of the Future 99

Plastics 100

Appendix—Case Study: Syria’s Reconstruction Project Phoenix
103

Financing Reconstruction in a Nation Ruined by War? 105

Physical-Economic Development 106

Syria and the New Silk Road 106

Conclusion 108

Chapter 7: Africa – Transport Network Integration 111

Colonial Legacy 113

Dependency on Roads 114

Landlocked Nations 116

Turning a Crisis Into an Opportunity 118

A. The Nile Basin and East Africa 119

Creating a Powerful North-South Axis 119

East Africa's Economic Corridors 125

B. Southern Africa 134

Roads, Rails and Ports in Southern Africa 134

The South African High-Speed Rail Project 135

Gautrain 137

When Will South Africa Convert to Standard Gauge?138

Africa's North-South Corridor 138

Africa Tomorrow 142

C. West and Central Africa 142

Fast Track Development Perspective for West and Central Africa
142

Ports Connecting to the BRI 144

Development of West Africa 145

Development of Central Africa 147

Mechanized Agriculture: Africa Can Feed Itself and the Rest of
the World 147

D. North Africa 147

Dreams and Setbacks 149

Highway Networks 149

Maghreb Railway Networks 151

Trans-Maghreb High-Speed Rail 152

Morocco Joins the BRI: Tanger-Med Port and Technopolis 154

Algeria Joins, Too 156

Bridging the Gap Between Europe and Africa 157

Chapter 8: Africa – Water Resources Development 161

Managing the Water Cycle as a Cycle 163

Category 1: Management of Land Flow 165

Into the Future: How Africa Can Lead the World 169

Category 2: Weather Control 170

Category 3: Desalination of Ocean Water 174

Africa's Water Future 175

Case study: The Nile Basin 175

The Linear Facts 176

Lost to Evaporation 177

Hydropower, Water Management, Agricultural Development 181

Chapter 9: To Power Africa, Go Nuclear! 185

Energy Requirements 185

An African Visionary: Diop 189

Chapter 10: Africa – Food Security: Realizing Africa's Vast Agricultural Potential 193

Land and Yield 195

China's Contributions 197

Lake Chad Basin 198

Sudan 200

Commitment to Transformation 200

Chapter 11: Africa in Space 203

New Space Nations 204

Space as a Driver for Development 205

A World-Class Science Project

206 Case Study – South Africa: Looking to the Heavens to
Develop the Continent 208 Scientific Orientation 209

Imagination and Wonder 211

Space Technology Can Support Africa's Development Goals 212

Working with China and the BRICS 213

Chapter 12: Conclusions and Recommendations 215

The Political and Economic Context 215

Some Necessary Axiomatic Shifts 217

Recommendation: Understanding Physical Economics 218

Recommendation: Financing Infrastructure 219

Recommendation: Science and Technology 220

Recommendation: Transport 220

Recommendation: Power 221

Recommendation: Water 221

Recommendation: Agriculture 222

Chapter 13: Selection of Proposed Mega Projects in Africa 225

Pan-African High-Speed Rail Network 225

Regional and Continental Corridors 227

New Suez Canal and Industrial Zone 229

Transaqua: The Centerpiece of Africa's Development 231

Grand Inga Dam Project 237

South African Nuclear Program 239

Sicily–Tunis Connector – TUNeIT 242

Gibraltar Euro-African Tunnel 245