

A) Select list of ESIA's undertaken by SRK

Client	Project	Nature of work	Location	Date
Rockgate Capital Corporation	Falea Mine*	Environmental and social baseline data collection in anticipation of ESIA to commence in 2013	Mali	2012 - current
Anglo American (Thermal) Coal	Elders Colliery*	Environmental and social assessment and management planning for both the mine and host site; Resettlement Action Plan	South Africa	2012 to current
Anglo American (Inyosi) Coal	Kriel Colliery*	Environmental and social assessment and management planning; Resettlement Action Plan	South Africa	2012 to current
Phelps Dodge Congo SPRL	Kisanfu Project	Environmental and social assessment and management planning	DRC	2012 to current
Barrick Gold Corporation	Lumwana Copper Mine	Environmental and social assessment and management planning	Zambia	2012 - current
Anglo Gold Ashanti	Mongbwalu Gold Project*	Environmental, social and health assessment and management planning	DRC	2010 to 2011
Nyota Minerals	Tulu Kapi Gold Mine*	Environmental and social assessment and management planning	Ethiopia	2010 to 2011
Tenke Fungurume Mining	Oxide Expansion Project*	Environmental and social assessment and management planning	DRC	2010 ongoing
Oromin Resources	Sabodala Gold Project*	Environmental and social Impact assessment and management planning	Senegal	2009 to 2010
Katanga Mining Ltd	Kamoto Mine*	Environmental and social assessment and management planning	DRC	2008-ongoing
First Quantum Minerals	Kingamyambo-Musonoi Tailings Project*	Revision of the environmental and social assessment and management planning	DRC	2008
Mondi Business Paper	Afforestation and Pulp Mill Project	Environmental and social scan	Tanzania	2008

Client	Project	Nature of work	Location	Date
Anglo American	Gamsberg Zinc Project*	Environmental and social assessment and management planning	South Africa	2009
Petromar	Liquid Natural Gas Construction Housing Development *	Environmental and social assessment and management planning	Angola	2007-2008
Freeport/Phelps Dodge Congo SPRL	Kisanfu Copper Project*	Baseline assessments in support of pre-feasibility and Environmental and social assessment and management planning	DRC	2007-2011
Oji Paper Company	Forestry Development in Mtwara and Lindi regions	Strategic environmental and social assessment	Tanzania	2006-2007
Cassidy Gold	Cassidy Gold	Environmental and social assessment and management planning	Guinea	2007 - ongoing
BHP Billiton	Bakhuis Bauxite Project*	Environmental and social assessment and management planning	Suriname	2006 to 2008
Metorex Ltd	Ruashi Mine*	Environmental and social assessment and management planning	DRC	2006-ongoing
BHP Billiton/Newmont Joint Venture	Nimba Mountains*	Development of plan of study for environmental and social impact assessment as input to Concept Study	Guinea	2006-2008
TEAL Exploration & Mining	Mwambashi Copper Project *	Environmental and social assessment and management planning	Zambia	2005 - 2006
Adastra Minerals	Kingamyambo-Musonoi Tailings Project *	Environmental and social assessment and management planning	DRC	2002-2006

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B) Select list of environmental and social reviews undertaken by SRK

Client	Project	Nature of work	Location	Date
KCC	Kakosa South PFS	Review of environmental and social issues for the PFS of the Kakosa South Project	Zambia	2012
Sierre Rutile	SRL review	Review and gap analysis of existing environmental and social action plans for the Sierre Rutile Limited	Sierra Leone	2012
Confidential	Confidential	Environmental and social due diligence of confidential mining project in the Democratic Republic of Congo	DRC	2012
ENRC	Roan Tailings Dam	Environmental and social gap analysis of EMP against implementation, and in-country legislative requirements, and recommendations and costing for addressing gaps	DRC	2012
Optimum Coal Holdings	Optimum Colliery	Competent Persons Report and update to review compliance with South African legislation, Equator Principles, Performance Standards and Environmental Health and Safety Guidelines review and on-going monitoring	South Africa	2012
Continental Coal	Continental Coal	Review of conformance to South African legislation, Equator Principles, Performance Standards and Environmental Health and Safety Guidelines	South Africa	2012
WestLB	Kwale Mineral Sands Mine*	Review of environmental and social assessment and management in support of financing agreements	Kenya	2011 ongoing
KCM	Konkola Copper Mines*	Review of implementation of environmental and social commitments and performance	Zambia	2010 and 2011
Standard Bank	Nova Cimangola Cement Plant*	Review of the ESIA against IFC Performance Standards	Angola	2011
Macquarie	Confidential Project	Host country and Equator Principles environmental and social due diligence of a gold mining project	Mozambique	2011

Client	Project	Nature of work	Location	Date
WWF	Sundance Resources CamIron Project*	Environmental and social review in terms of the Equator Principles of the ESIA for an iron ore project	Cameroon	2010
Harmony	Resource and Reserve Audit*	Environmental and social review of Harmony Gold	South Africa	2009, 2010 and 2011
Confidential	Confidential Project	Environmental and social review of an open pit gold mine	Uganda	2009
DBSA	Confidential Project*	Host country and Equator Principles environmental and social due diligence of a copper mine	Zambia	2009
Freeport McMoRan	Tenke Fungurume Mine*	Audit of the Resettlement Action Plan	DRC	2008
Sonagas	Angola Liquid Natural Gas Project	Audit of the environmental assessment reports	Angola	2007
Standard Chartered	First Quantum Minerals*	Due diligence of ESIA and ESMP and annual review of implementation thereof in terms of loan agreements	DRC, Zambia and Mauritania	2003 to 2011
International Finance Corporation	Mozal *	Environmental and social verification of the annual monitoring report	Mozambique	2002 to 2009

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C) Select list of relevant mine closure projects undertaken by SRK

Client	Project	Nature of work	Location	Date
Barrick Gold Corporation	Closure Planning	Development of closure plan and cost for Jabal Sayid Copper Project	Saudi Arabia	2012
Barrick Gold Corporation	Closure Planning	Development of closure plan and costing for Lumwana Mining Company	Zambia	2012
African Barrick Gold	Closure Planning	Developing conceptual closure plans for four operations in various stages of the mining life cycle	Tanzania	2011
Palabora Mining Company	Closure Planning	Scheduled five yearly update of closure planning including detailed socio-economic closure planning and undertaking stakeholder engagement	South Africa	2011
Richards Bay Minerals	Closure Planning*	Detailed closure planning including socio-economic assessment and stakeholder engagement	South Africa	2011
Twickenham Platinum Mine	Closure planning*	Developing detailed closure plans	South Africa	2011 ongoing
Amandelbult Platinum Mine	Closure planning*	Developing detailed closure plans	South Africa	2011 ongoing
Mogalakwena Platinum Mine	Closure planning*	Developing detailed closure plans	South Africa	2011
Rustenburg Platinum Mine	Closure planning*	Developing detailed closure plans	South Africa	2011
African Rainbow Minerals	Nkomati Mine*	Annual update to the closure liability	South Africa	2009 to 2011
Barrick Gold	North Mara Mine	Rehabilitation and Closure Plan	Tanzania	2008
Barrick Gold	Buzwagi Mine	Rehabilitation and Closure Plan	Tanzania	2008
Barrick	Bulyanhulu Mine	Closure and Rehabilitation Plan	Tanzania	2002 and 2007
Katanga Copper Company	Closure Plan and Liability assessment*	Development of a conceptual closure plan and estimate of closure liability	DRC	2008
Anglo American Platinum	Liability estimate	Annual update to the closure liability for all Southern African managed operations	South Africa and Zimbabwe	2004-ongoing

Client	Project	Nature of work	Location	Date
Aquarius	Liability assessment	Annual update to the closure liability for all South African operations	South Africa	2006-ongoing
Richards Bay Minerals	Closure Pond 6*	Detailed design and implementation of closure plan	South Africa	2006 to 2008

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D) Key environmental and social strategic planning projects

Client	Project	Nature of Work	Location	Year
Transnet Capital Projects	Transnet Long Term Planning Framework for South Africa	Strategic Environmental Assessment	South Africa	2012 - current
National Department of Environmental Affairs	Johannesburg Plan of Implementation and Agenda 21	South Africa's Synthesis Country Report on progress made towards implementation of the Johannesburg Plan of Implementation and Agenda 21	South Africa	2012
Cape Winelands District Municipality	Cape Winelands District Municipality (Witzenberg, Breede Valley and Langeberg)	Environmental Management Framework	South Africa	2011-2012
Department of Environmental Affairs, Mpumalanga Department of Economic Development, Environment and Tourism Pixley Ka Seme Local Municipality Mpumalanga	Pixley Ka Seme Local Municipality, Mpumalanga	Environmental Management Framework	South Africa	2010-2012
Cradle of Humankind World Heritage Site Management Authority Gauteng Department of Agriculture and Rural Development West Rand District Municipality Mogale City Local Municipality	Cradle of Humankind World Heritage Site, its proposed buffer zone, and the Muldersdrift area	Environmental Management Framework	South Africa	2009-2010
Mpumalanga Department of Agriculture and Land Administration Msukaligwa Local Municipality Albert Luthuli Local Municipality	Msukaligwa and Albert Luthuli Municipalities (includes Mpumalanga Lake District region)	Environmental Management Framework	South Africa	2008-2010
Department of Environmental Affairs and Tourism Msunduzi Local Municipality Kwazulu Natal Department of	Msunduzi EMF and State of Environment (SoE) Report	Environmental Management Framework and State of Environment (SoE) Report	South Africa	2008-2009

Client	Project	Nature of Work	Location	Year
Agriculture and Environmental Affairs				
Department of Environmental Affairs and Tourism	EMF and SoE Report for the coastal area between Boknesstrand and Keimouth	Environmental Management Framework and State of Environment (SoE) Report	South Africa	2009
National Department of Environmental Affairs and Tourism	EMF for the coastal zone from Cannon Rocks to Great Kei	Environmental Management Framework	South Africa	2007-2008
National Department of Environmental Affairs and Tourism	National State of the Environment Report for South Africa	National State of the Environment Report	South Africa	2005-2007
Oji Paper	Strategic Environmental Assessment of Forestry Development in Mtwara and Lindi Regions, Tanzania	Strategic Environmental Assessment	Tanzania	2006-2007

E: Stakeholder engagement projects undertaken by SRK

Client	Project	Nature of work	Location	Date
South African Department of Water Affairs	Acid Mine Drainage	Feasibility study for a long-term solution to address the acid mine drainage in the eastern, central and western underground mining basins in Gauteng Province, Pretoria, South Africa	South Africa	2012 – ongoing
Freeport McMoran, (formerly Phelps Dodge)	Tenke Fungurume Mining (TFM) ESIA and ESMP	ESIA for Freeport McMoran's Tenke Fungurume Mining (TFM) copper and cobalt mining and processing project and subsequent Environmental Management Plan Amendment for the mine and plant expansion, Katanga Province, Democratic Republic of Congo	DRC	2009 to current
Richards Bay Minerals (RBM)	Zulti South Mineral Lease Area	Integrated environmental authorization process for RBM's proposed mining in the Zulti South Mineral Lease Area, Richards Bay, KwaZulu-Natal	South Africa	2012 – ongoing
South African Department of Energy, funded by the World Bank	Carbon Capture and Storage	Development of National and Local Stakeholder Engagement Plans for the deployment of Carbon Capture and Storage in South Africa, Gauteng, South Africa	South Africa	2012
Luna Gold	Aurizona Gold Mine	Development of a high level Stakeholder Engagement Plan in compliance with IFC Standards focusing on life of mine	Brazil	2012
Rand Uranium	Rand Uranium's Cooke Uranium Project	The development and implementation of a stakeholder engagement strategy consisting of four different stakeholder engagement plans, Gauteng, South Africa	South Africa	2008 - 2010
Anglo American Platinum	Mogalakwena De-bottlenecking Project	The development and implementation of a stakeholder engagement strategy, Mokopane, Limpopo Province, South Africa	South Africa	2012
Zanzibar Municipal Council (World Bank funded)	Zanzibar Urban Services Project	Environmental and Social Impact Assessment (ESIA) for proposed Zanzibar Urban Services Project, Zanzibar City and Stonetown, Zanzibar	Zanzibar, Tanzania	2009-2010.

Client	Project	Nature of work	Location	Date
Sappi	Prefeasibility Study	Environmental Pre-viability and Scope Definition Study Development of Eucalyptus Plantations in the Zambezia Province, Mozambique	Mozambique	2009 – 2010.
Yemen LNG	Yemen Liquefied Natural Gas (LNG) Project	Public Consultation and Disclosure Plan (PCDP) to IFC Performance Standards for the construction phase of the Yemen Liquefied Natural Gas (LNG) Project in Yemen	Yemen	2007 – 2009
Anglo American Platinum	Project Alchemy*	Phase 1: Community Assessment and Engagement Strategy, APL Phase 2: Benefit Assessment and Engagement Framework, APL Phase 2 Extension: Labour Sending Area (LSA) and Community Trust Research, Phase 4: Implementation of the community engagement strategy in support of APL's Community Empowerment Transactions for its Rustenburg, Mogalakwena, Amandelbult and Twickenham mining operations	South Africa	2010 ongoing
Metolong Authority/Millennium Development Challenge Account	Metolong resettlement action plan*	Stakeholder engagement programme design and implementation as part of the resettlement action plan	Lesotho	2010 – current
Anglo Gold Ashanti	Mongbwalu Gold Mine	Stakeholder engagement programme design and implementation as part of the environmental and social impact assessment and Action Plan for life of mine engagement - including indigenous peoples	DRC	2010-2011
Richards Bay Minerals	Nozalela Project*	Stakeholder engagement programme design and implementation as part of the resettlement action planning process	South Africa	2010 to 2011
Anglo Platinum	Unki Mine *	Application of the Anglo American Socio-Economic Assessment Toolkit including extensive stakeholder engagement	Zimbabwe	2009 to 2010

Client	Project	Nature of work	Location	Date
Adastra Minerals and First Quantum Minerals	Kingamyambo Musonoi Tailings Project*	Stakeholder engagement programme design and implementation as part of the environmental and social impact assessment and Action Plan for life of mine engagement	DRC	2008 and 2002 to 2006
Metorex Ltd	Ruashi Mine*	Stakeholder engagement programme design and implementation as part of the environmental and social impact assessment and Action Plan for life of mine engagement	DRC	2006-ongoing
BHP Billiton	Bakhuis Bauxite Project*	Stakeholder engagement programme design and implementation as part of the environmental and social impact assessment and Action Plan for life of mine engagement – including indigenous peoples	Suriname	2006 to 2008

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F: SRK's key RAP project experience

Client	Project	Nature of work	Location	Date
Anglo American Thermal Coal	Elders Resettlement Action Plan	RAP development and implementation oversight	South Africa	2012 - current
Anglo Inyosi Coal	Kriel Resettlement Action Plan	RAP development	South Africa	2011 - current
Rio Tinto/Richards Bay Minerals	Zulti South Resettlement Action Plan	RAP development and implementation oversight	South Africa	2010 – current
Metolong Authority/Millennium Development Challenge Account	Metolong Resettlement Action Plan	RAP development	Lesotho	2010 – current
Tenke Fungurume Mining SARL	Tenke Fungurume RAP Audit	Annual external audit of the TFM resettlement plan and process	DRC	2007 – 2010
Lesotho Highlands Development Authority	Phase 2 of the Lesotho Highland Water Project	Prepared a Compensation and Livelihood Restoration Policy for Phase 2 of the LHWP	Lesotho	2007 – 2008
Banro	Twangiza Gold Project	Preparation of a resettlement and compensation framework	DRC	2008
Banro	Namoya Gold Project	Preparation of a resettlement and compensation framework	DRC	2008
Teal Exploration and Mining	Mwambashi Resettlement Action Plan	RAP development	Zambia	2006
Tiomin Kenya Limited	Tiomin Titanium Project	Assessment of potential host sites for a resettlement project	Kenya	2005

G: SRK's core social assessment and planning experience in Africa

Client	Project	Nature of Work	Location	Year
Anglo American Thermal Coal	Elders	Completion of an international standard social baseline and impact assessment	South Africa	2012 -2013
Rockgate Capital Corporation	Falea	Social baseline data collection and preparation of SEP and CDP	Mali	2012
Minmetals First Chrome Mining	Naboom ESIA	Completion of an international standard baseline and impact assessment	South Africa	2011
AngloGold Ashanti	Mongbwalu Tailings Project	Social and environmental scan and fatal flaw assessment	DRC	2009-2011
Anglo Inyosi Coal	Kriel Expansion	Completion of an IFC and SEAT compliant SIA for the expansion of the Kriel colliery.	South Africa	2010 - ongoing
Anglo Base Metals	Gamsberg	IFC and Socio Economic Assessment Toolkit (SEAT) compliant SIA	South Africa	2009
Freeport-McMoRan Copper & Gold	Confidential	Best practice environmental and social baseline studies, sensitivity mapping and sustainability assessment	DRC	2007 - ongoing
Metorex LTD	Ruashi	Equator Principles standard environmental and social Impact assessment	DRC	2006-2009
TEAL Exploration & Mining / Konnoco Zambia Limited	Konkola North Mine and Concentrator Project	Equator Principles standard environmental and social Impact assessment	Zambia	2006/2007
Gem Diamonds Technical Services.	Mbelenge Diamond Project	Equator Principles standard Environmental and Social Impact Assessment	DRC	2006

H: Summary of key project experience

Client	Project	Nature of Work	Location	Date
Rio Tinto	Murowa	Prediction of inflows to a proposed open pit kimberlite diamond mine, design of a dewatering system, prediction of environmental impacts and pit water level rebound,.	Murowa, Zimbabwe	2000
Konkola Copper Mines	COPF	Assessment of dewatering requirements and design for Chingola Open Pit	Chingola, Zambia	2001
Ticor	Fairbreeze PFS	Hydrogeology assessment at the proposed Fairbreeze RSF	Richards Bay, South Africa	2005
Implats	Marula Mine	Development of a Numerical Groundwater Flow Model and mine water management	Steelpoort, South Africa	2006 - current
TEAL Mining	Mwambashi Copper Project EIA	Hydrogeological specialist study for the EIA, Zambia	Mwambashi Zambia	2006
Ticor/ Kumba	Toliara Sands	Hydrogeological Study at PFS level, including input to EIA water supply and dewatering	Toliara, Madagascar	2006
AngloGold Ashanti	Navachab Gold Mine	Pit dewatering requirements of Navachab Gold Mine	Namibia	2008
Banro	Twangiza and Namoya PFS	Water specialist studies as input to ESIA	South Kivu	2008
Minero Zinc	Pering TSF	Groundwater aspects for the Tailing dam assessment	Pering, South Africa	2009
Anglogold Ashanti	Mongblawu	Water specialist input to environmental and engineering studies	North Kivu, DRC	2008
DML	Boseto	Assessment of dewatering requirements and impact on groundwater by mining	Botswana	2009
Tata Steel	Sukinda Chrome Mine	Assessment of dewatering requirements and design for transition from open pit to underground mining	India	2011
AngloGold Ashanti	Iduapriem Tailings	Groundwater assessment of the Iduapriem Tailing Facility to meet Ghanaian EPA requirements	Ghana	2011
GEM Diamonds	Letseng Diamond Mine UG PFS	Hydrogeological investigation for the underground feasibility and EIA studies	Lesotho	2012

Client	Project	Nature of Work	Location	Date
AngloGold Ashanti	Navachab	Determined pore pressure distribution for the Navachab Pit Expansion and feasibility Slope Design	Namibia	2012
Eskom	Ingula Wetland Study	Determine the impact of the hydroelectric dam on surface and groundwater interaction for the Ingula Wetland	Kwa Zulu Natal, South Africa	2012
De Beers	Mulepe	Specialist studies for PFS, including dewatering and input to EIA	Angola	2012

I: Key climate and air quality specialist study project experience

Client	Project	Nature of Work	Location	Date
Oromin Joint Venture Group	Climate and Air Quality Baseline Study for the Proposed Sabadola Gold Mine	Undertaking baseline climate and air quality monitoring. Dispersion modelling and air quality impact assessment study	Senegal	2009-2010
Rockgate Capital	Falea Baseline Air Quality Study	Undertaking baseline climate and air quality monitoring	Mali	2012- current
Ashanti Goldfields Kilo S.A.R.L	Climate and Air Quality Specialist Study for the proposed Mongbwalu Project	Undertaking baseline climate and air quality monitoring. Dispersion modelling and air quality impact assessment study	DRC	2010 - 2012
Tenke Fungurume Mining S.A.R.L	Tenke Fungurume Mining S.A.R.L Air Quality Impact Assessment Study	Dispersion modelling and air quality impact assessment study	DRC	2011-current
Phelps Dodge Congo SPRL	Proposed Kisanfu Environmental Impact Study and Management Plan of the Project;	Dispersion modelling and air quality impact assessment study	DRC	2010 - current
De Beers Consolidated Mines Limited	Air Quality Study for Venetia Diamond Mine	Dispersion modelling and air quality impact assessment study	South Africa	2011
SAFAL Steel (Pty) Ltd	SAFAL Air Quality Study (AEL)	Atmospheric Emissions Licensing	South Africa	2012-current
Richards Bay Coal Terminal (Pty) Ltd	RBCT Air Dispersion Modeling Study	Dispersion modelling study	South Africa	2012
Transnet	Saldanha Air Dispersion Modeling Study	Dispersion modelling study	South Africa	2012-current
Grindrod Terminals (Richards Bay)	Grindrod AEL Implementation	Atmospheric Emissions Licensing	South Africa	2012-current

J: Key visual assessment specialist study project experience

Client	Project	Nature of Work	Location	Date
SATO Holdings	SATO 500MW Solar Power Generation Facility	Visual Impact Assessment of large scale power generation facility	South Africa	2012
Primedia (PTY) Ltd.	Shadow analysis of advertising structures in eThekweni Municipality	Shadow analysis of structures within the CBD of Durban, KZN	South Africa	2012
De Beers Consolidated Mines Limited	Venetia Diamond Mine	Visual Impact Assessment for the Venetia Diamond Mine Expansion. Including night time lighting impacts	Botswana and South Africa	2011
Hilton College	The Gates Residential Estate	Visual Impact Assessment of a proposed new residential estate, Hilton KZN.	South Africa	2010
Barrick Gold	New Mining Complex, Murmansk, Russia	Visual Impact Assessment of a new gold mining complex, Murmansk, Russia	Russia	