

Social Mapping & Landowner Identification



Sam Koyama

National Content Manager
ExxonMobil PNG Ltd

SM&LI and comparison to other jurisdictions

Country	Legal Basis	Key Process	Focus Groups	Purpose
<i>Papua New Guinea</i>	Oil and Gas Act (Section 47)	Social Mapping and Landowner Identification (SMLI)	Customary Landowners and Clans	Identify landowners for benefit-sharing and development forums
<i>Nigeria</i>	Petroleum Industry Act 2021	Host Community Development Trusts; Stakeholder Mapping	Host Communities and Landowners	Establish benefit-sharing and community development
<i>Peru</i>	ILO Convention 169; National FPIC Laws	FPIC and Community Mapping	Indigenous Peoples and Local Communities	Secure consent and negotiate benefits
<i>Indonesia</i>	Land Acquisition Law; Environmental Laws	Social Impact Assessment and Community Consultation	Local Communities and Customary Landholders	Assess social impacts and secure land access
<i>Australia</i>	Native Title Act 1993; State Cultural Heritage Laws	Cultural Heritage Management Plans; Native Title Negotiations	Indigenous Australians and Traditional Owners	Protect cultural heritage and negotiate land use
<i>United States</i>	NEPA; National Historic Preservation Act	Tribal Consultation and Cultural Impact Assessment	Tribal Nations and Local Communities	Protect tribal lands and assess cultural impacts
<i>Canada</i>	Impact Assessment Act 2019; Duty to Consult	Indigenous Consultation and Socio-Cultural Impact Assessment	First Nations and Indigenous Communities	Ensure Indigenous rights and assess socio-economic impacts

Background to SM&LI

■ Social Mapping as a concept

- Social Mapping was 'coined' by John Burton -1987
- Other expats and PNG anthropologists joined in SM&LI work
- Anthropology, Ethnography & Social Studies

■ Legislation

- The O&GA prescribes Social Mapping & Landowner Identification
- O&GA s. 49 C & D references SM&LI to SEIA (SIA)
- Two components to SM&LI – 1) Social Mapping, & 2) Landowner Identification

■ Utilitarian value of SM&LI

- SM&LIs – facilitates the inclusion of groups invited to Development Forum
- Recognition of landowners – Project use of land



Use of SM&LI in the Petroleum Industry

Petroleum Act (SM&LI not included)

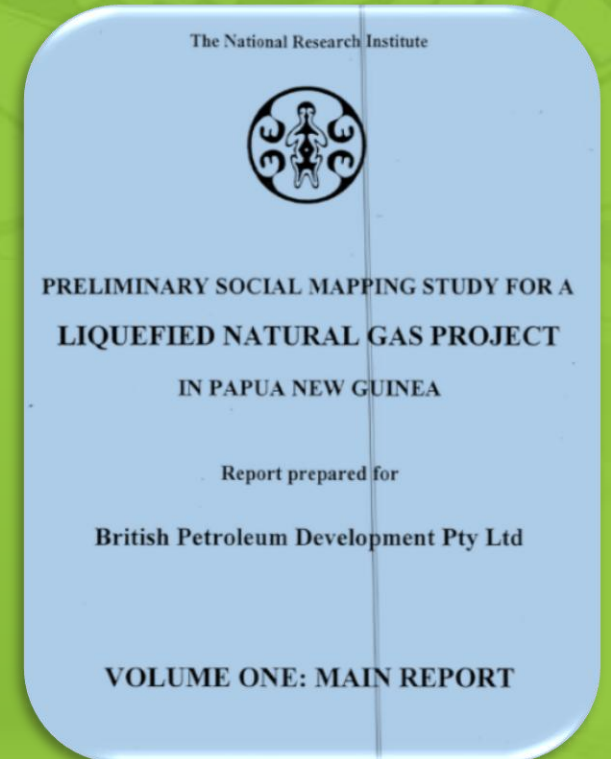
- Hides GTE Project (PDL 1) and BP LNG (Hides to Wewak)
- Kutubu Project (PDL 2) – ILG concept
- Gobe Project (PDLs 3 & 4) – Same as PDL 2

Oil & Gas Act 1998 (s.46-7 SM&LI included)

- Moran Project (PDLs 5/6)
- ExxonMobil - PNG GTQ Pipeline / PNG LNG

Types of SM&LI

- Preliminary SM&LI
- Full Scale SM&LI



1.1 ORGANISATION OF THIS STUDY

The design of this study resulted from a series of meetings between staff and consultants of BP Exploration (PNG) and staff of the PNG National Research Institute, and a series of communications between NRI's HOD Social & Cultural Studies (Colin Filer) and other social scientists to be engaged on the study. This plan is intended to fulfil the requirements laid out in BP's revised Scope of Work document dated 14/9/97, which is included as Annex 1 to this chapter.

The organisation of this study, as shown in the Table of Contents, partly reflects the geographical relationship between different parts of the project impact area, and partly reflects the order in which different study components were completed by the consultants.

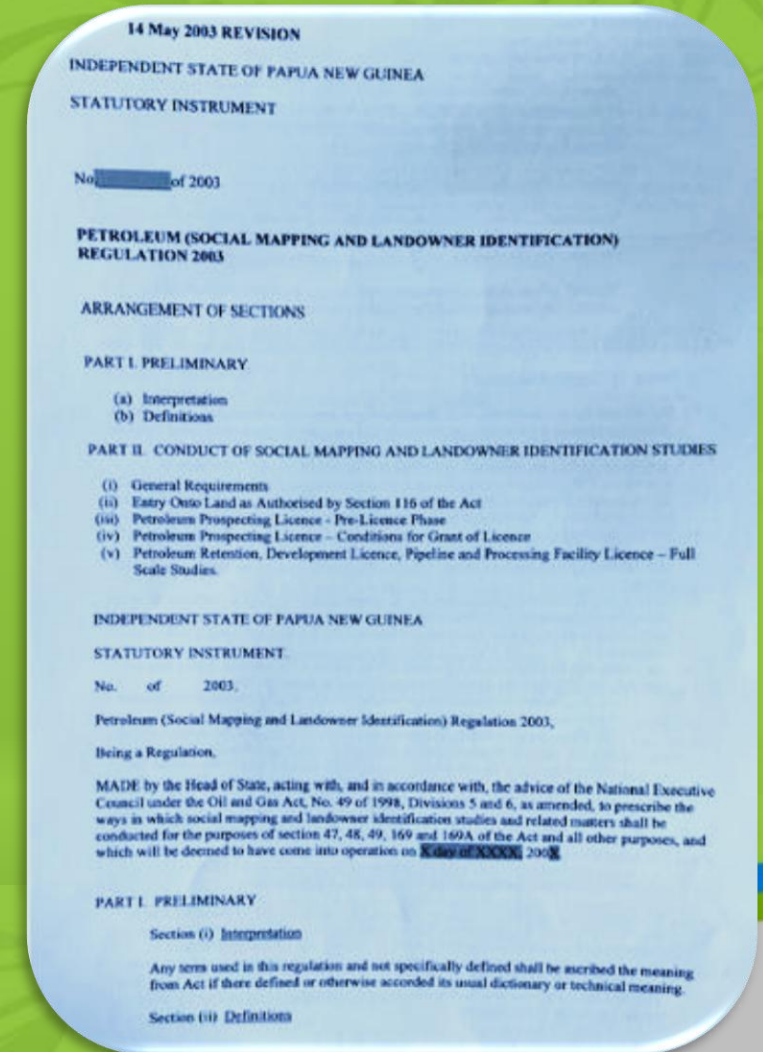
Draft SM&LI Regulation 2003

■ Regulate the SM&LI process

- Provides clear directives (standardisation of process)
- Best practice / reduce costs etc.
- Correct identification of PALOs – Beneficiaries list
- Political & Business representation

■ Draft SM&LI Regulation 2003

- Protracted discussions - Industry & DPE
- SM&LI Regulations not signed off
- SM&LIs conducted today based on TORs
- DPE has since undertaken:
 - ✓ CVP – now called LOBID work
 - ✓ Independent verification of SM&LI work



Social Mapping

- A general overview of the socio-cultural environment within a license – PPL, PRL, PL, PPFL & PDL
- Focus on forms of distributions:

- 1) Distribution of people between groups
- 2) Distribution of people between resources
- 3) Distribution of resources between people
- 4) Distribution of powers between people
- 5) Distribution of products between people
- 6) Intertwined / other considerations



SM&LI Data sources & Determination of social groups

The process should be developed from:

- *Use of previous & current data*
- *Possible expansion of data-set*
- *Key insights into communities' social structure*



Anthropological advice:

- *Determination of social groups at the major clan level*
- *Outsiders should stay away from group determinations beyond major clan level*

Landowner Identification

- The identification of those who own land within the licences
- Those who own land are deemed Project Area Landowners (PALOs)
- Landowner Identification is undertaken through on the ground study of residents of licences via their genealogical ties and kinship
- In the Hides GTE Project's court decision the principle of '*adverse possession*' was applied.
- Initially CVP and later LOBID – DPE's process to vet or verify PALOs



Challenges with SM&LIs - Landownership

- Challenge associated with **landownership** more than social mapping
- Only 97% of land is customarily held
- Landownership - determined by oral history / genealogical inquiry
- Access is granted
- Project resident landowners feel pressure to include 'others'
- License boundaries are mostly unmarked
- Infighting, rivalry and enmity amongst landowner groups/factions
- Accusations of true landowners –vs- 'paper' landowners; genuine vs non genuine or other categorizations
- Moving target as groups splinter to take advantage of benefit streams



PNG LNG Project SM&LI Studies & Researchers

Date	Area	Type: Location ¹	Description- Commissioning Agent	Authors	Comments
Social Mapping & Landowner Identification Studies					
October 2005	<u>Kutubu PDL2 Pipeline</u>	Full-scale Social mapping EHL	PDL2 – Gas Pipeline Route	Dr James Weiner	Completed and submitted 8 March 2006
November 2005	<u>Kantobo to Kaiam Pipeline</u>	Full-scale Social mapping EHL	PDL2-Kaiam – Gas Pipeline Route	Dr James Weiner	Completed and submitted 8 March 2006
May 2006	<u>Kaiam-Gosribari Pipeline</u>	Full-scale Social mapping EHL	Kaiam-Gosribari – Gas Pipeline Route	Dr James Weiner	Completed and submitted 31 May 2006
May 2006	<u>Hides-PDL5 Pipeline</u>	Full-scale Social mapping EHL	Hides-PDL5 – Gas Pipeline Route	Dr Laurence Goldman	Completed and submitted 31 May 2006
September 2008	<u>PRL02</u>	Full-scale Social Mapping EHL	Juha PRL02	Dr Tom Ernst	Submitted to DPE
September 2008	<u>Pipeline Route PRL02 to PRL12 Portion 152</u>	Full-scale Social Mapping EHL	Pipeline route from Juha to Hides	Dr Tom Ernst Dr L Goldman	Submitted to DPE
September 2008	<u>PDL1</u>	Full-scale Social Mapping EHL	Juha PRL02	Dr James Weiner	Submitted to DPE
September 2008	<u>PDL1</u>	Full-scale Social Mapping EHL	PDL1 Hides area	Dr Laurence Goldman	Submitted to DPE
September 2008	<u>PRL11</u>	Full-scale Social Mapping EHL	Portions of PRL11	Dr Laurence Goldman	Submitted to DPE
September 2008	<u>PRL12</u>	Full-scale Social Mapping EHL	PRL 12	Dr Laurence Goldman	Submitted to DPE
March 2009	<u>Homa pipeline deviation</u>	Full-scale Social Mapping EHL	Homa-Benaria pipeline ROW deviation	Dr Laurence Goldman	Submitted to DPE
March 2009	<u>Kopi by-pass pipeline route deviation</u>	Full-scale Social Mapping EHL	Homa bypass route	Dr Mark Schubert	Submitted to DPE
March 2009	<u>Pipeline ROW PPL219 & 233</u>	Full-scale Social Mapping EHL	ROW gaps around Lake Kutbu	Dr James Weiner	Submitted to DPE

- LNG Project commissioned 13 SM&LI studies from 2005-9
- There are 19 other SM&LI reports that pre-date these
- Project commissioned social anthropologists who had:
 - ✓ PhDs in social science
 - ✓ Spoke local language / ‘Tok Pisin’
 - ✓ Previous research etc. on PNG cultures
- Researchers contracted:
 - ✓ Assoc Prof Laurence Goldman (UQ)
 - ✓ Dr Mark Schubert (UQ)
 - ✓ *Dr Tom Ernst (Charles Sturt) - Late*
 - ✓ *Prof James Weiner (ANU) – Late*
 - ✓ Others also supported field SM work
 - ✓ L&CA field officers assisted researchers
 - ✓ Validations – field L&CA

Ai ogoni hangugo, areme timbuni, Horombe laro!



Photo taken up at Kulu village in 2006 (19 yrs ago and so these two young ladies should be 23/24 yrs old now)



Photo taken up OSL Nogoli Camp after first trip into Komo Airfield site to identify a survey camp location for ALS to begin cadastral survey of the Airfield

**Em tasol na tenkiu tru
na yupla gat gutpla dei!**

**Tanikiu badaherea emui hakakala
dainai, iboumuiai dina namona**

**That's all, thanks so much
and y'all have a good day!**

PNG Chamber of Resources & Energy
PO Box 1032, Port Moresby, NCD 121, Papua New Guinea
Level 7, MRDC Haus, Corner Musgrave Street and Champion Parade
Ph: +675 321 2988 | Website: <http://pngcore.org>