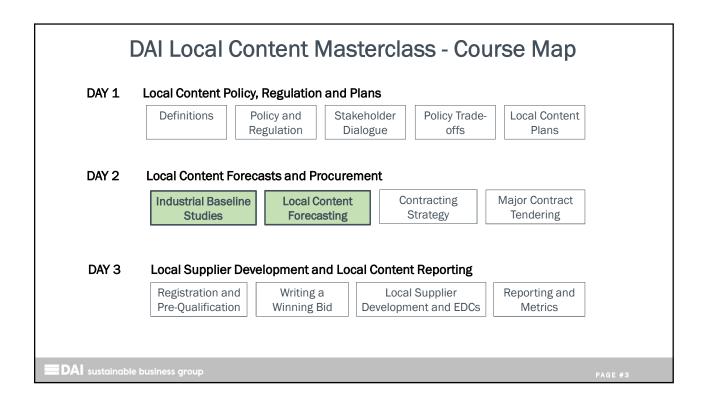
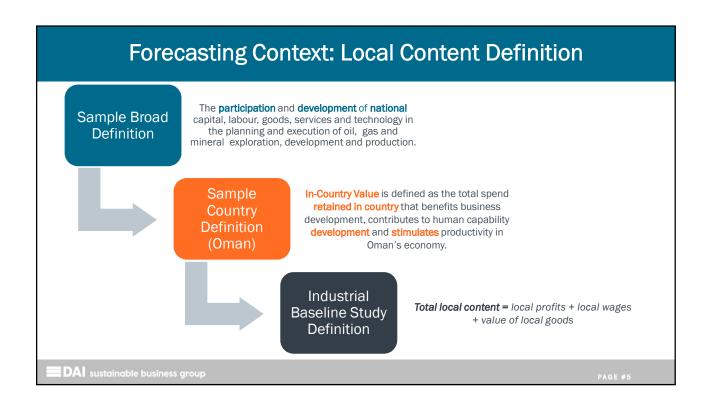
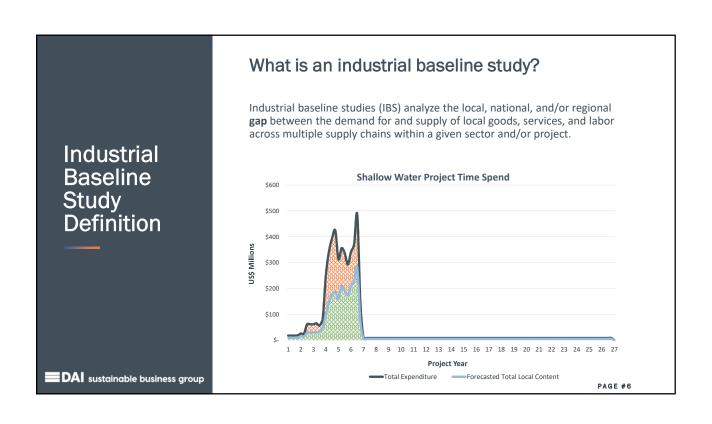


	DAY 2	Local Content Forecasts and Procurement	
Day 2 Program	9:00 - 9:30am	Basic Concepts	
	9:30 - 10:00am	Local Content Forecasting: Industrial Baseline Studies	
	10:00 - 10:30am	Exercise #4: Industrial Baseline Studies	
	10:30 - 11:30am	Roaming coffee (whilst completing exercise)	
	11:30 - 12:00pm	Exercise #4 Debrief	
	12:00 - 12:30pm	Contracting Strategy	
	12:30 - 1:30pm	Lunch	
	1:30 - 2:30pm	Leveraging Local Content in Major Contract Tenders	
	2:30 - 2:45pm	Exercise #5 – Weighting Local Content in Tender Evaluation	
	2:45 - 3:15pm	Factoring Local Content into the Award Decision	
	3:15 - 3:30pm	Coffee Break	
	3:30 - 5:00pm	Exercise # 6 Evaluation of Local Content in Major Contract Tenders	
DAI sustainable business group	5:00 - 5:30pm	Exercise #6 Debrief	
			PAGE #2









# **Defining the Gap**

## What is "the Gap"?

The Gap is the difference between Maximum Possible Local Content (Max LC) and Forecasted Baseline Local Content (Baseline LC)

# What does "the Gap" represent?

The Gap represents the Local
Content that local firms are not
capturing that they could capture
if all supply chains were on
average competitive to
international standards; i.e. the
gap represents the opportunity
space

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# Types of Industrial Baseline Studies

### Historic

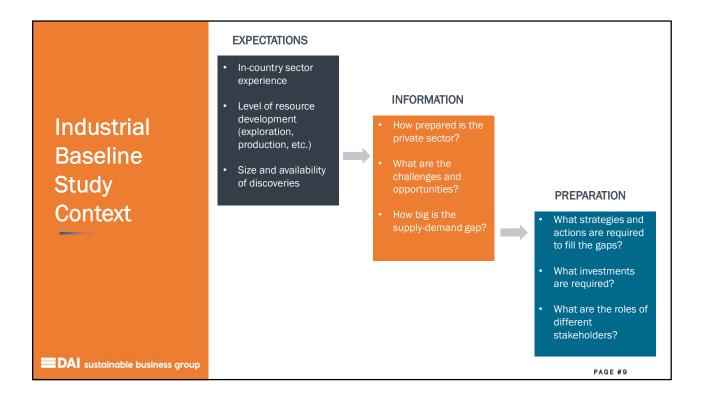
- Format: gathers *historic* data to establish a baseline of *actual* Local Content performance
- Purpose:
  - Ground truthing of recent Local Content performance
  - Supports the calibration of forecasts

### **Forecasted**

- Format: gathers live data on baseline local supplier capability and matches to expenditure projections
- · Purpose:
  - Forecast Local Content performance
  - Facilitates setting realistic LC targets

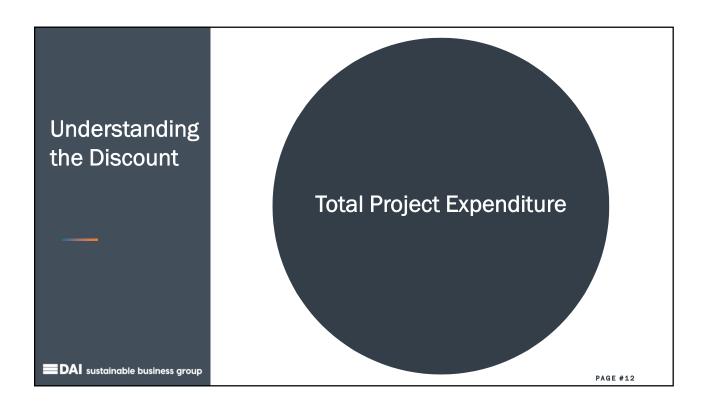
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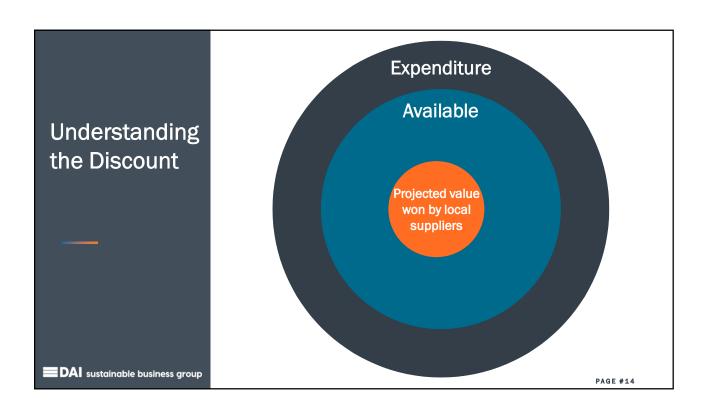


### Maximum Possible Local Content (Max LC): Given the owner's contracting strategy (i.e. preference/openness to local sourcing), the maximum value of possible local content if all contracts made available to local firms were won in full by local suppliers. Total Local Content (LC): The forecasted value of local content that is captured through prime suppliers (international Tier 1 contractors active in the local market) and locally established firms, given their current competitiveness vis a vis Additional international firms. Terms used in O Full Contract Awarding: The forecasted value of local content captured by local firms **Forecasting** who obtain full awards/contracts (as opposed to subcontracts). **Analyses** O Subcontract Awarding: The forecasted local content captured by local firms through subcontracts. DAI assumes a lower acceptable competitiveness threshold for subcontracts due to project/risk management; HSSE and Quality supervision; and support from Tier-1 contractors. > Full Time Equivalent Jobs (FTE): The equivalent hours worked by one employee over the course of a calendar year (assumes 2,080 hours on an annual basis). \*DAI expresses Local Content metrics as USD values calculated as the sum of salaries paid to local national employees, the value of domestic origin goods, the profits returned to local firms, and the value of the overhead and G&A activities of local firms. Exact formulas depend on the type of firm, mix of national and expat employees, and percent of imported goods. **DAI** sustainable business group PAGE #10

# Local Content Forecasting: Basic Concepts — Basic Concepts







# Purpose of **Local Content Forecasting**



Informs private sector approaches to local content

- Gain insights into local capabilities and informs procurement strategy
- Informs development of local content plans
- Generates reliable data source that helps drive multistakeholder alignment and policy collaboration



Informs public sector approaches to local content

- · Use information to set reasonable, relevant local content minimums or baselines
- Identifies the "opportunity space" for development initiatives and prioritize based on return-on-investment

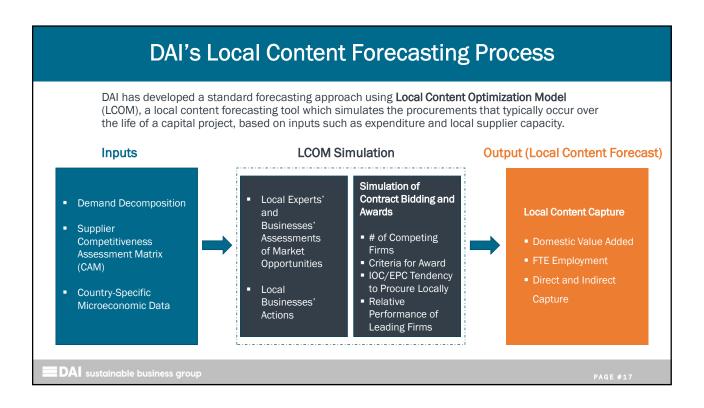


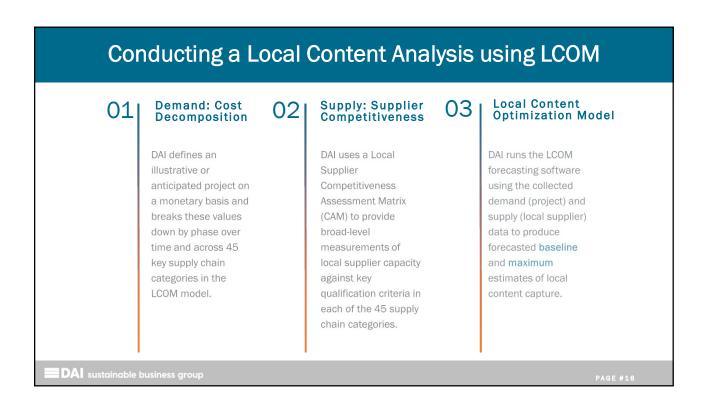
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# **Local Content Forecasting:** A Sample Modelling Approach

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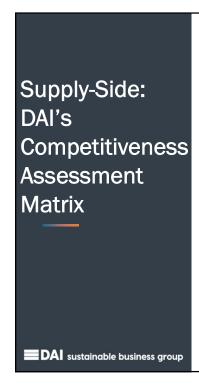
### Supply-Side: Demand-Side: Inputs: Understand local supplier Understand how much is being competitiveness and workforce spent, when, where, and in which availability/skills **Demand** supply chain categories. and Quantify local supplier capability A detailed cost breakdown of to deliver goods and services **Supply** one or multiple projects (both over project life for CAPEX and OPEX) Goal: Determine local supplier Goal: Map expenditure in each competitiveness, strengths, supply chain category across challenges, and gaps against entire project over time international standards **DAI** sustainable business group PAGE #19



Total CAM Score:

5.025

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The Competitiveness Assessment Matrix (CAM) score provides an intuitive, quantitative indicator of a local firm's ability to provide goods and services relative to international competitors.

Business Capacity

Cost & Pricing

Workforce Skills

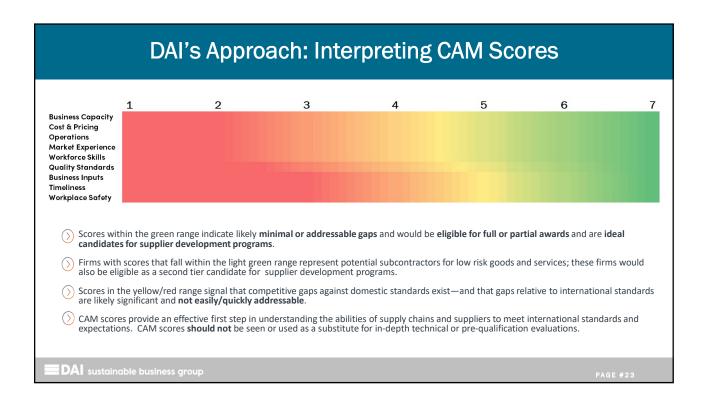
Timeliness

Market Experience

Quality Standards

DA	Al's Approach: Nine Sub-Criteria of Competitiveness
Business Capacity	Compared to international competitors, how well can the firm raise adequate financing for expansion and deliver the required services or goods for major projects? How well can the firm respond to fluctuations in demand? Specifically, how well can they respond to the increased capacity required by an O&G tender?
Cost & Pricing	To what extent are the costs of production in line with international norms? How do the firm's prices compare to industry standards? To what extent are existing costs determined outside the firm (due to high prices of inputs, both domestic and imported)?
Operations	How does the firm's documented operational structure, policies and procedures compare to international norms? Does the firm have an organizational chart? Does the firm implement financial reporting and controls, vendor management, and business planning? How comprehensive are the firm's written safety policies and procedures?
Market Experience	Do the firms in the sector have recent experience with major procurements like the ones associated with the investment project? Is there competition among firms? Do firms have experience partnering with international suppliers to pursue procurement opportunities?
Quality Standards	Relative to international competitors, can the firms produce services and goods that meet international quality standards? Do they have company-wide quality certifications (e.g. HACCP, ISO, GlobalGAP, HSE compliance, etc.)?
Business Inputs	Relative to international competitors, how difficult is it for this firm to obtain its required inputs? Does it rely on a single supplier? Does it receive its inputs in a timely manner? Are the inputs of sufficient quality, and are they competitively priced?
Timeliness	Relative to international competitors, what is the average performance of the firms in the sector with respect to on-time delivery of services and goods? Are there typically significant controversies regarding the timeliness of the delivery? Are there typically factors outside the control of the sector that explain any significant delays?
Workforce Skills	In comparison with the workforce in foreign firms, do firm employees have the requisite skills? Have they obtained the necessary certifications? Are firms able to obtain specific skill requirements when needed?
Workplace Safety	How do the rates of workplace accidents and injuries at the firms in the sector compare with those of its international competitors? To what degree is worker compliance with safety rules and regulations as issue compared to workers in foreign firms?
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Business Inputs



	LCOM Supply Chain	Capacity		Market Experience	Workplace Safety	Quality Standards		Workforce Skills	Operations	Business Inputs
	Air Travel	3.83	3.2	4.42	6.3	5.08	4	5.4	5.33	3.25
	Short Term Accommodations	3.92	5.92	3.45	4.09	4.27	4.89	3.62	3.92	4.71
	Civil Works	3.9	4.6	3.94	4.79	4	4.16	3.96	4.56	4.36
	Field Production/Operation Services	3.76								
DAI's Approach:	Paving and Road Works	4.33	5.5	3.08	3.83	4.37	3.77	3.58	4.44	4.75
Brit o rippi odom	Insurance Activities	3.58	4.75	3.46	3.42	4.21	4.43	4.76	5.33	5.27
Local Supplier	Design and Construction of Buildings	3.42	4.99	3.69	4.05	3.92	4.5	4.27	3.92	5.03
Analysis	Engineering, Testing, and Inspection Activities	3.42	4.99	3.69	4.05	3.92	4.5	4.27	3.92	5.03
	Mechanical Equipment Installation	3.42	4.99	3.69	4.05	3.92	4.5	4.27	3.92	5.03
	Mechanical Equipment Manufacturing/Procurement	3.42		3.69	4.05	3.92	4.5	4.27	3.92	5.03
	Storage Tanks	3.42	4.99	3.69	4.05	3.92	4.5	4.27	3.92	5.03
	Information and Communications Systems	4.06	4.78	3.38	3.75	4.66	4.3	4.08	4.85	4.58
	Electrical and Instrumentation	4.34	4.45	4.01	3.9	4.65	4.24	3.66	4.38	4.34
	Electrical Equipment Installation	4.34	4.45	4.01	3.9	4.65	4.24	3.66	4.38	4.34
	Electrical Equipment Manufacturing/Procurement	4.34	4.45	4.01	3.9	4.65	4.24	3.66	4.38	4.34
	Monitoring Sensors and Control Devices	4.34	4.45	4.01	3.9	4.65	4.24	3.66	4.38	4.34
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# Forecasting Exercise BAI sustainable business group

# LCOM Exercise: Instructions

- Walk through the process of local content forecasting demand decomposition, supplier analysis, scenario setting (10 min).
- 2. Review the model outputs (10 min):
  - Each scenario's output
  - Compare and contrast each scenario
- 3. Discuss as a team (10 min):
  - How is local content generated in each scenario?
  - Which Categories are most competitive? Least competitive?
  - Which Categories have the most local content?
  - Which Categories have the largest and smallest job numbers? Why?
  - Do high spend categories automatically generate high levels of local content? Find evidence to explain why.
- Consider you must select 5 priority Categories around which to develop more local content. Which would you choose and why? (10 min)
  - Explain why these categories lend themselves to local content development?
  - Not all opportunities can be afforded. What trade-offs are you making?

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# LCOM Exercise: Analytic Questions

### Think about the following questions and how the two scenarios compare to each other.

- 1) What do the project level local content metrics tell you about the opportunities for local firms in each scenario? Compare each scenario.
- 2) What metrics do you feel are most informative?
- 3) How does the local content by contract type shift between each scenario?
- 4) Which supply chains are the most competitive in each scenario? Explain your reasoning.
- 5) Which supply chains capture the greatest local content in each scenario? What metrics are you using to make this assessment? Explain your reasoning.
- 6) Which supply chains are the least competitive in each scenario? Explain your reasoning.
- 7) Which supply chains capture the least local content in each scenario? What metrics are you using to make this assessment? Explain your reasoning.
- 8) What supply chains are most improved over the 10 years? What supply chains are least improved?
- 9) What does the timeline graph tell you about how local content is captured throughout the project life in each scenario? What differences do you see between each scenario?
- 10) At what skill level are the majority of local jobs? What does this tell you about the local workforce? How have job opportunities shifted over the 10 years?
- 11) Which supply chains generate the most local jobs in each scenario? The most expat jobs in each scenario? How have job opportunities shifted over the 10 years?
- 12) What recommendations would you provide to an International Oil Company (IOC) based on the outputs in each scenario?
- 13) What recommendations would you provide to a National Oil Company (NOC) based on the outputs in each scenario?
- 14) What recommendations would you provide to a government body based on the outputs in each scenario?

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