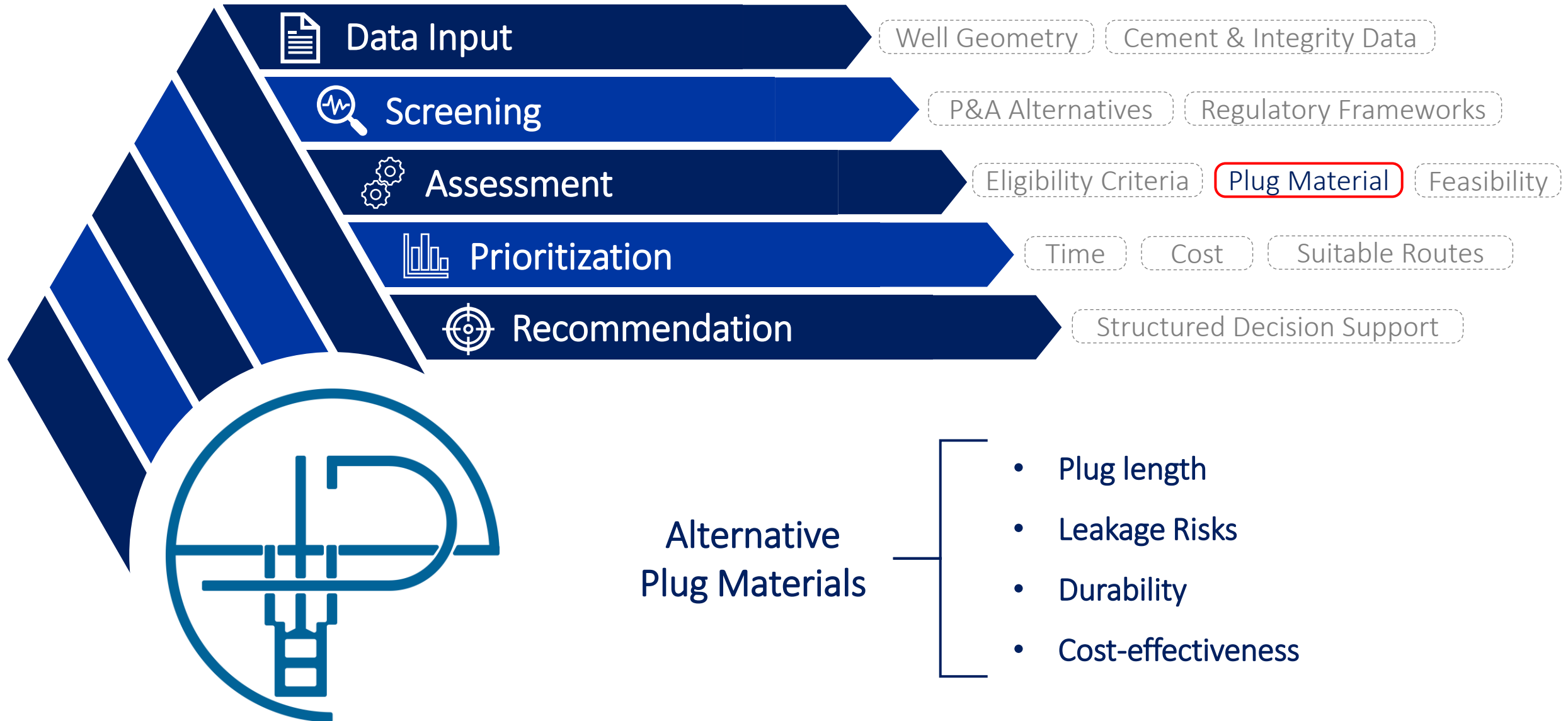


A Computational-Based Framework for Modeling the Plug and Abandonment of Oil and Gas Wells with Alternative Barrier Materials

Presented by:
Hyago Braga dos Santos

PITIA[®] – Intelligent Prediction of the Abandonment Type



PITIA[®] – Intelligent Prediction of the Abandonment Type

Well Detail **Test-1-2-3** Proposed Abandonment: FT

Options Edit DP Rig P10: 15.81 | P75: 37.2 | P90: 43.97 Return

General Information Abandonment Alternatives **Alternatives Comparison** AI Results

Proposed Scope	Duration (days)	Cost (USD MM)	Possibility of Splitting Scope in Phases?	Total Length Available for WB's Installation	Conveyance	LWIV	DP-GEN	ANC	Wire	Wireline	Coiled Tubing	WCT	TH	PAB
FT	35.182	22.5	No	677	Coiled Tubing	✓	○	✓	3	1	3	✓	✓	✓
BOP	39.74	25.4	Yes	753	WIRELINE	✗	○	✓	6	1	0	✓	✓	✓
PWC - ...	44.93	28.7	Yes	1407	WIRE	✗	○	✓	8	0	0	✓	✓	✓
Recime...	44.93	28.7	Yes	1260	WIRELINE	✗	○	✓	8	3	0	✓	✓	✓
FT - Alt...	41.07	26.3	No	753	Coiled Tubing	✓	○	✓	2	1	7	✓	✓	✓
Combi...	56.762	35.3	Yes	822	Coiled Tubing	✗	○	✓	3	1	3	✓	✓	✓
Combi...	56.762	35.3	Yes	822	Coiled Tubing	✗	○	✓	3	4	3	✓	✓	✓
Remoc...	43.906	28.1	Yes	753	WIRELINE	✗	○	✓	8	0	0	✓	✓	✓
Combi...	62.55	40.1	Yes	898	Coiled Tubing	✗	○	✓	2	1	7	✓	✓	✓
Combi...	62.55	40.1	Yes	898	Coiled Tubing	✗	○	✓	2	4	7	✓	✓	✓
Sectio...	47.27	30.2	Yes	753	WIRELINE	✗	○	✓	8	1	0	✓	✓	✓

POTENTIAL SAVINGS

TENS OF MILLIONS OF DOLLARS IN MULTI-WELL PLUG & ABANDONMENT CAMPAIGNS



LABAP



Developed by:
Miguel Spirito, Lucas Reis, Jan Kohara, Roberto Santos, Eros Santos, Hyago Santos, Marcelo Matos, Saulo Barcelos, Luis Pires, Victor Ahón, Troner Assenheimer

