

OBJECTIVE: Portfolio preliminary screening process and early detection of impacts to optimize the cost of performing detailed investigation at all sites
(such a limited preliminary investigation program may not capture 100% of the impacts)

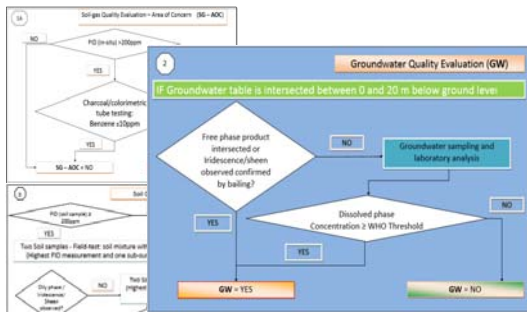
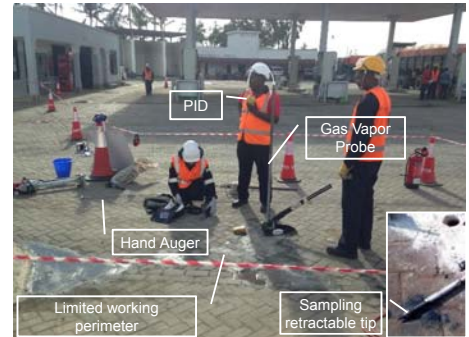


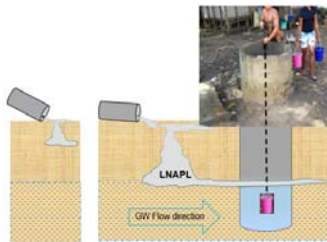
Chart easing the decision process
3 media investigated



SAFETY ANALYSIS
performed prior to deployment at site

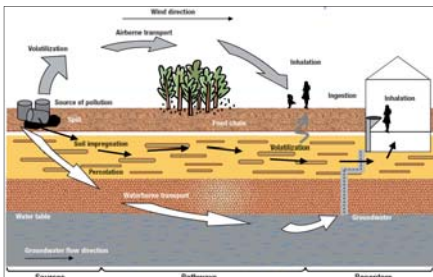


Groundwater sensitive usage



SOURCE: LNAPL and associated Dissolved Plume
PATHWAY: Groundwater
RECEPTOR: Neighbors using groundwater down-gradient from the site would be exposed where the plume leaves the site

Preliminary Conceptual Site Model



Preliminary CSM are developed based on the site(s) environmental context
(Source: Guide SSP interne Total)



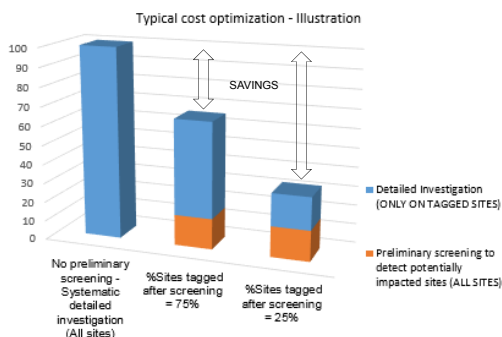
Light weight, user friendly and robust tool-box



Close to the **highest PID reading location** a **groundwater well (GW1)** is installed and a **groundwater sample** is analyzed at the lab or using field test kit



Dissolved Phase	Free Phase / iridescence confirmed by bailing	TPH	Benzene	Ethylbenzene
WHO Guideline (µg/L)			10	300
GW1	No	96 180	121	482



Cost optimization:

- No need for heavy equipment (screening phase);
- No need for expert staff on site;
- Less time at site; and
- Minimum disturbance of the operations;

A selective process to implement detailed investigation only at most impacted sites