



WorleyParsons

resources & energy



AGIC Conference October 2011
**Category 4.2 Discharges to air, land
and water**





Pollution – where there's muck



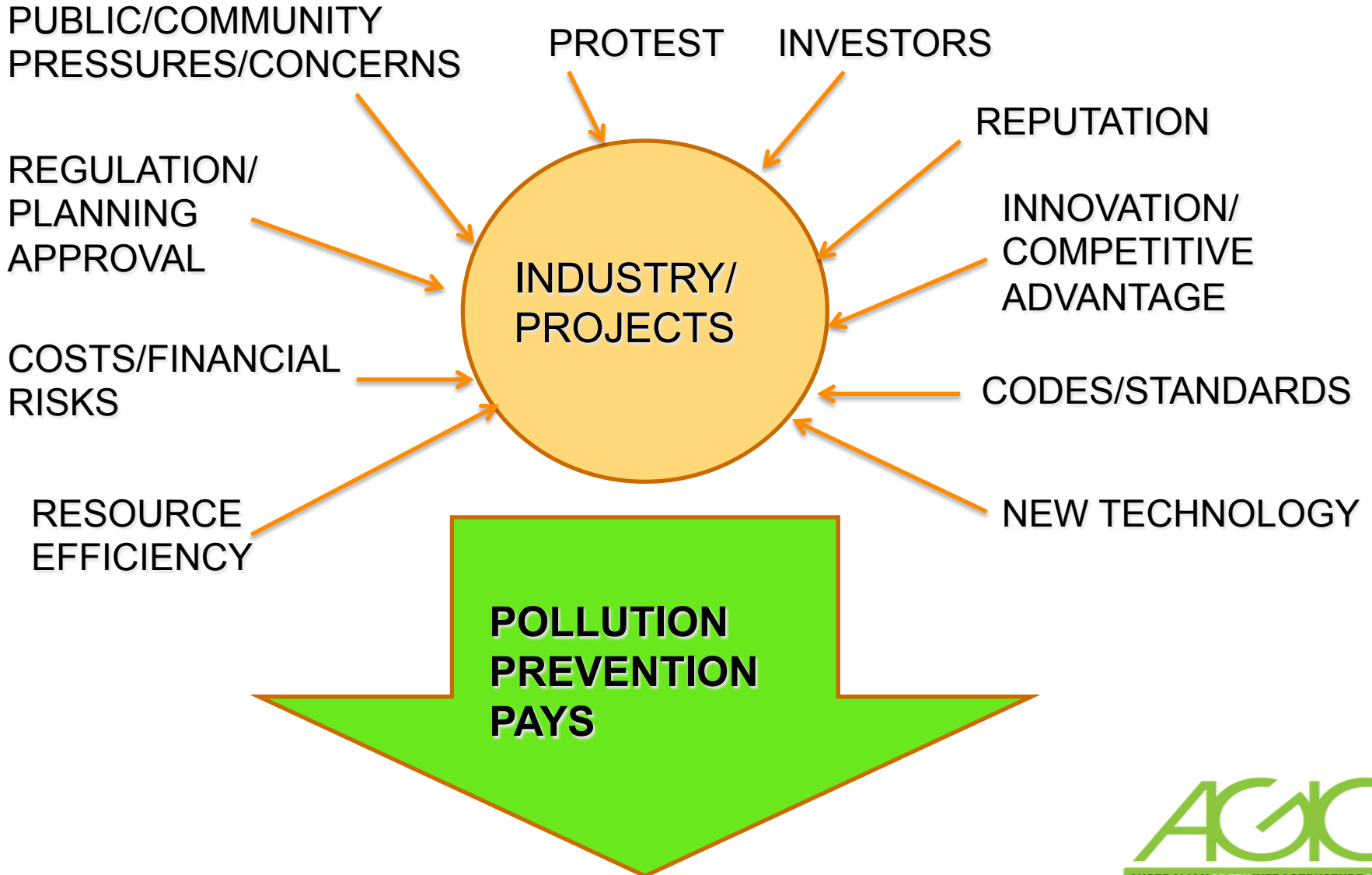


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Traditional approach







Purpose of Category

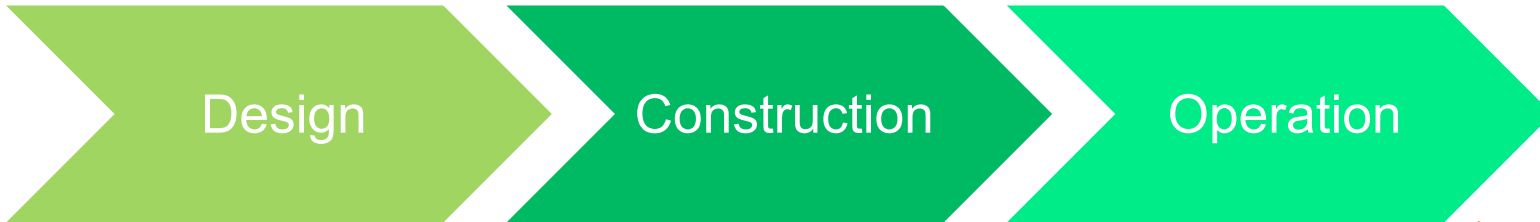
Assess the level and effectiveness of management practices for preventing and mitigating discharges to air, water and land of a given piece of infrastructure



Principles

Avoid discharges/emissions through process design, treatment and reuse/recycling.

Enhance natural flows and pathways considering opportunities to develop natural capital.



DISCHARGES TO WATER/
LAND

AIR EMISSIONS

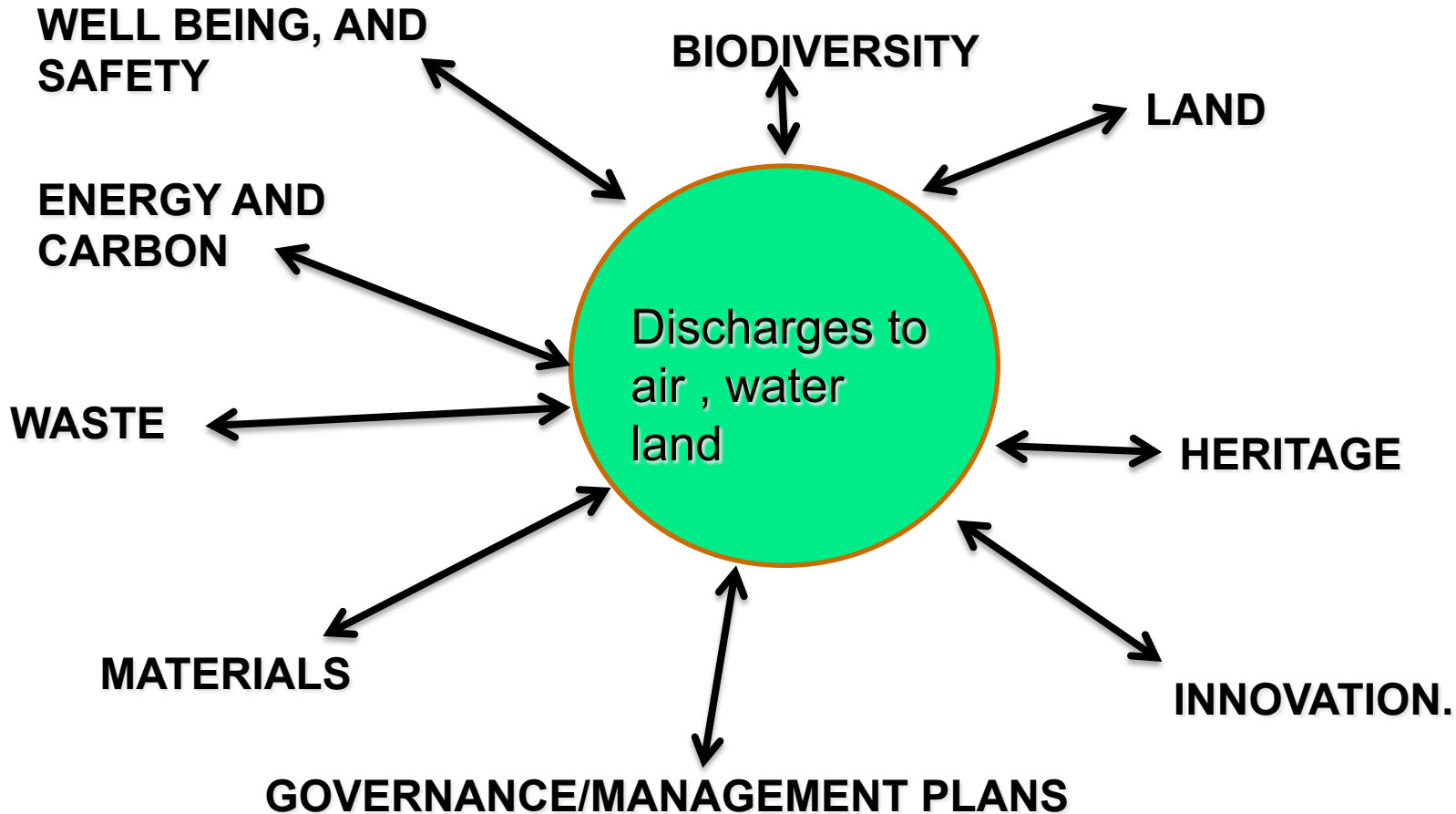
NOISE

VIBRATION

LIGHT SPILL

IMPACTS







DISCHARGES
TO
WATER/LAND

AIR
EMISSIONS

NOISE

VIBRATION

LIGHT SPILL

Baseline studies
Design measures
Implementation
Monitoring
Enhancement ***

....documented evidence





Best practice environmental management applied to all aspects of the project, including

- ▶ Management controls to prevent harmful discharges
- ▶ 250 sedimentation ponds
- ▶ Inventive flocculating system for drainage to wetlands
- ▶ Extensive air monitoring and vegetation health assessment
- ▶ New methods for remediating contaminated sites

- ▶2009 Banksia Award for Environmental Achievement



