



Beneficial Use or Business as Usual

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Dredged Material: origin of debate

- Largest volume dredged for:
 - Capital works – reclamation projects = BU!!?
 - Capital works – deepening of ports and waterways
 - Maintenance dredging – removing sedimentation in ports and waterways
- Relatively small volume from remediation / sanitation / clean-up dredging





Dredged Material: origin of debate

- Practical all capital volume is free of contamination
- Part of maintenance material and all clean-up material is more or less contaminated





Dredged Material: origin of debate

- International (and many national) legislation based on contaminated DM
- Made applicable to all DM
- Economic preference for DM handling is sea (open water) disposal

⇒ Conflict with environmental protection



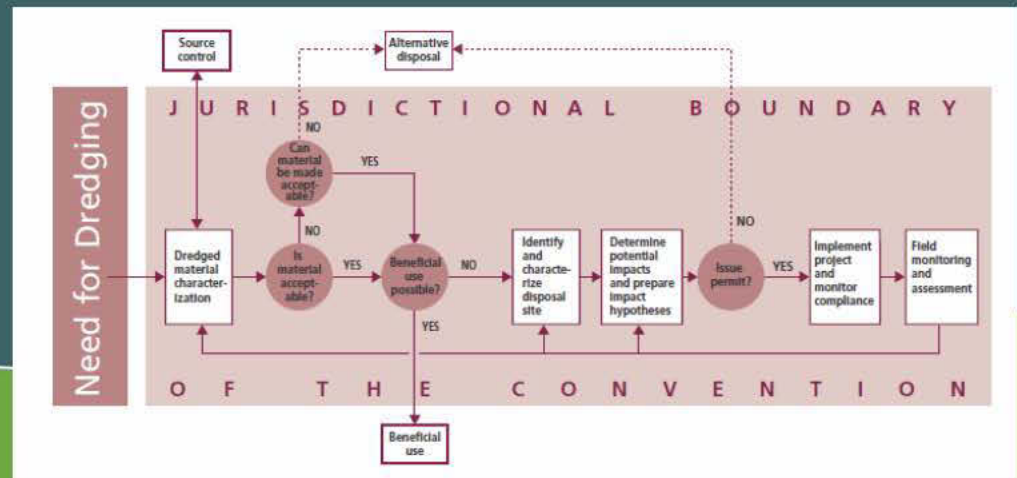
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Dredged Material Management as per DMAF

- If not permitted for placement in open waters:
- Explore options for
 - Beneficial use
 - Processing
 - Controlled Disposal
- Procedure introduces
 - Project delays
 - Increased costs
 - Annoyance





Sediment balancing

- Dredging need produces certain quantity / quality of DM
 - for environment /sustainability: return DM to system?
 - for economy: use DM(or part) in concurrent other project
- If positive: Politics to decide, based on EIA
- If negative:
 - other uses? Without/with treatment; if not feasible
 - disposal / placement at offshore or land-based sites.





Sustainable Approach

Use of DM is

- logic part of development
- not just a mitigation option



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Practice

- Try to balance 'sediment supply and demand', maximising 'use'
- If not possible, go for cheapest solution: open water disposal
- If not permitted: follow DMAF

