



Desludging with tractor and vacuum trailer in Haiti





Earthquake on 12 January 2010 in Port aux Prince

Earthquake on 12 January 2010 in Port aux Prince

- 1. 500.000 internally displaced people
- elevated latrines producing sewage
- limited desludging capacity – very expensive
- limited sewage reception capacity on landfill
- 9 (3-15) camps producing sewage



Cholera outbreak Haiti 2010-2011

Total nb of cases reported to MOH until 14/2/2011:

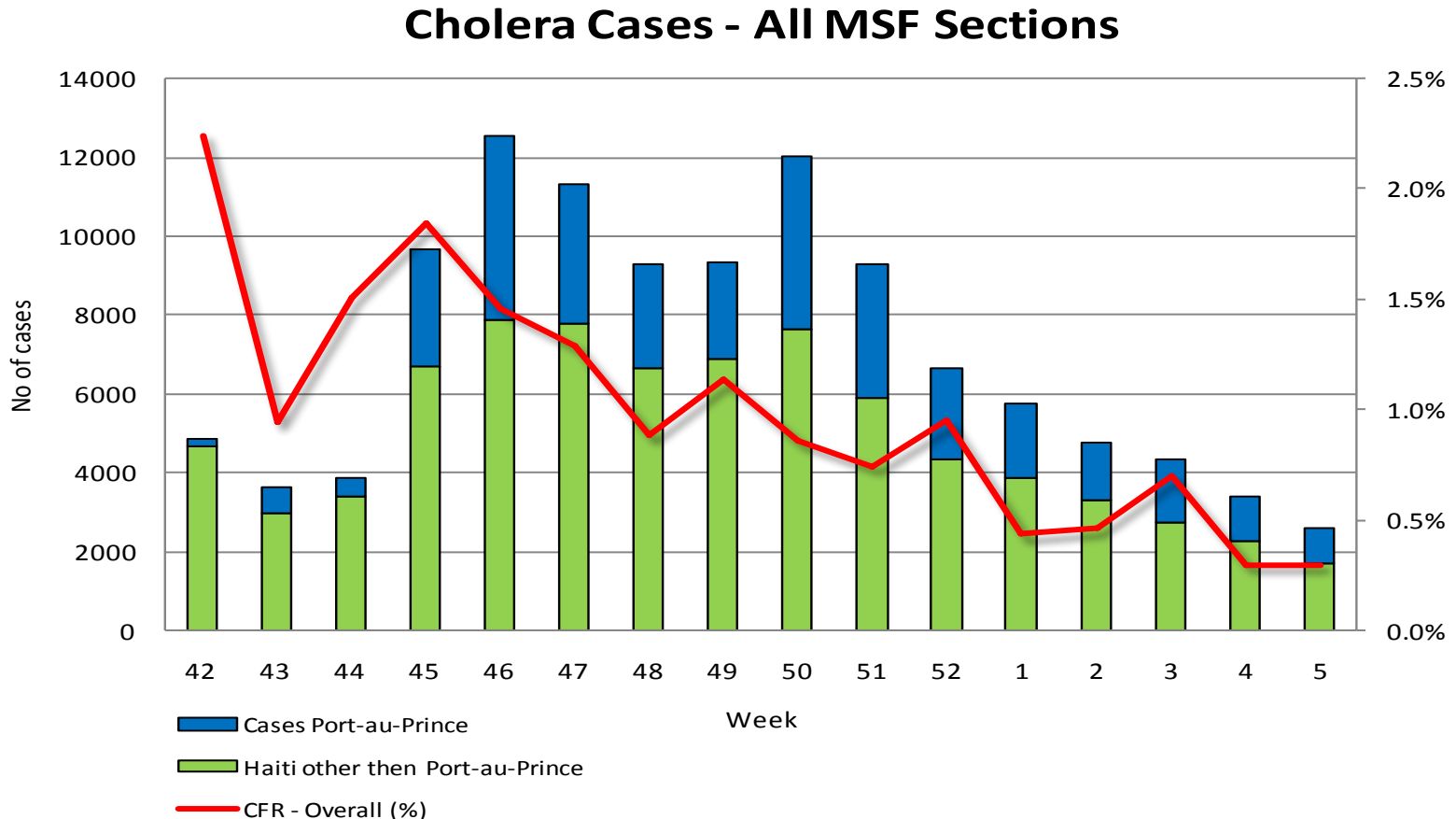
- 241'360 cases, 4573 deaths (2782 hospital)

MSF all sections until 16/1/2011:

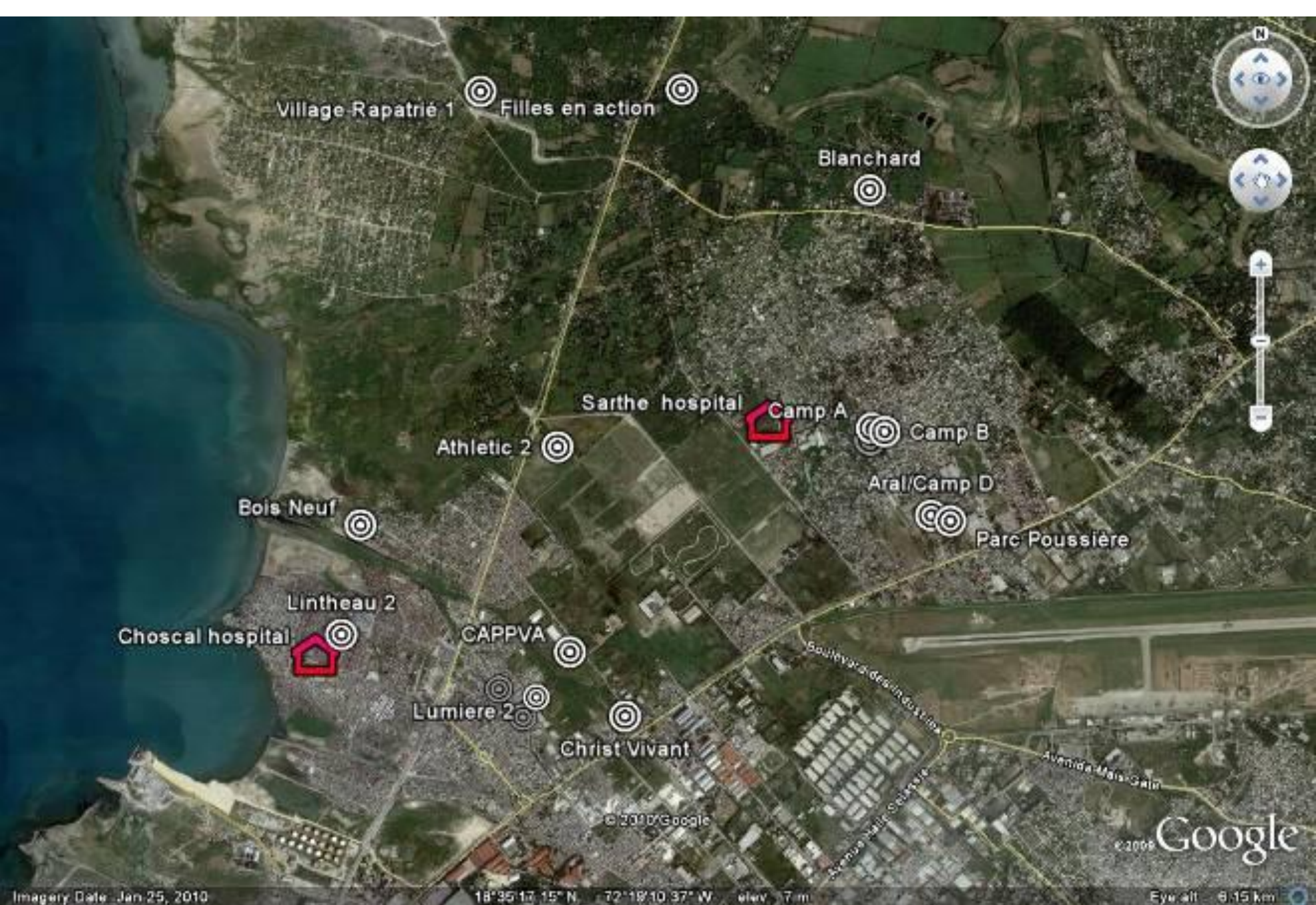
- 117'636 cases, 1234deaths



Cholera outbreak Haiti 2010-2011



In PAP 10 m³/day of cholera contaminated sewage produced in cholera treatment centres MSF - OCB



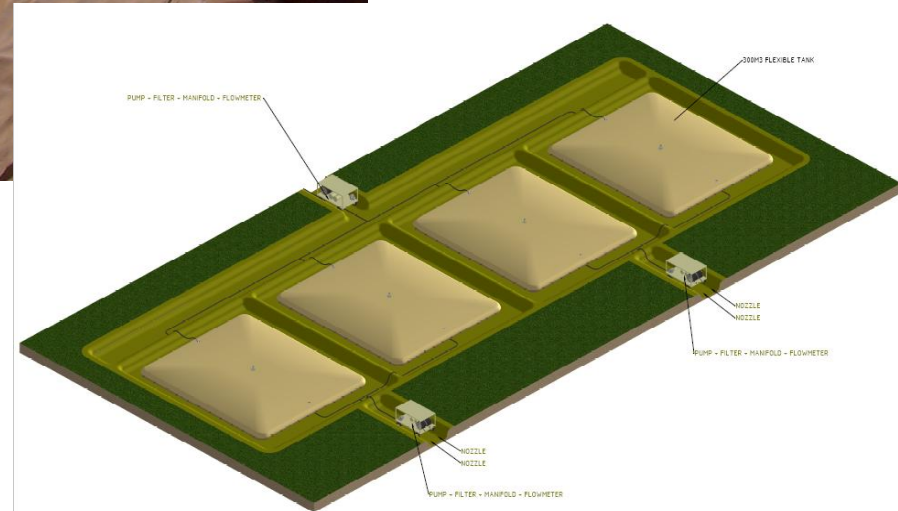
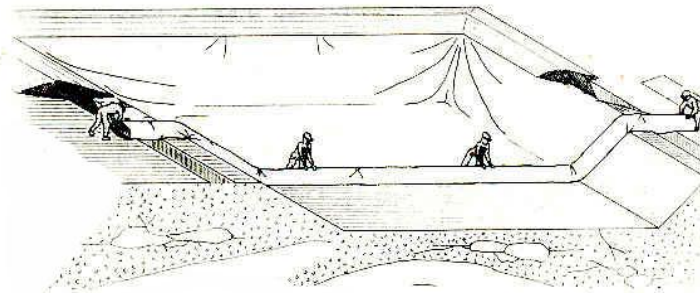
Scattered sewage production => transport in 2 phases

Central Sewage Collection Station (Sarthe)

Centralize in Sarthe all sewage produced by hospitals, camps and cholera treatment centres (chlorinated) using MSF tractor and vacuum tank



EXPLORED: 200 m³ sewage collection bladders



NOTA - LINER CAPACITY 1800M3
- LINER DEPTH 1 METER

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Official landfill (Truitier)

Transport sewage from Sarthe to Truitier with trucks



Evaluation on Joskin - desludging trailer



Tractor: KUBOTA 9540
Serie: M9540D59935
Type: Tracteur



Small passage to CTU de Martissant



Réducteur from 6" to 3".



Good to have vacuum pump allowing suction stones ...

GOOD

Good to have 2 x 5 m³ instead of scheduled 2 and 10 m³





Connexion tank – tractor



Empty pipe at end of aspiration



Protect from leaking valve

Security issue



LESS GOOD



Conclusion

Difficult start but positive end evaluation report



Acknowledgements

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