THE PERFECT STORM

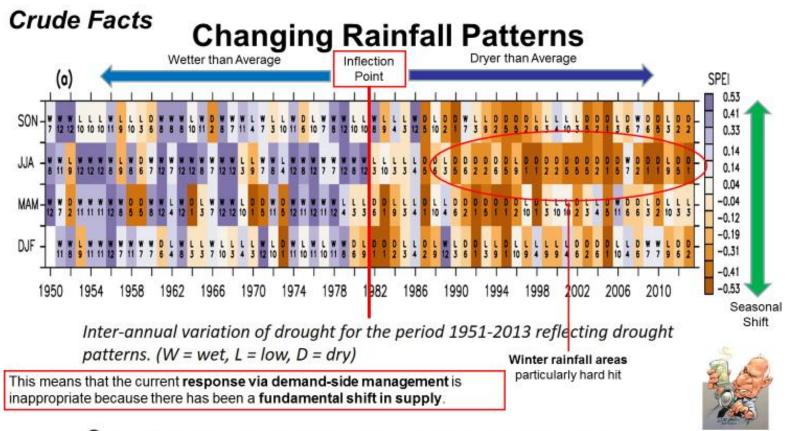
THE PERFECT OPPORTUNITY

THE CONVENIENT TRUTH

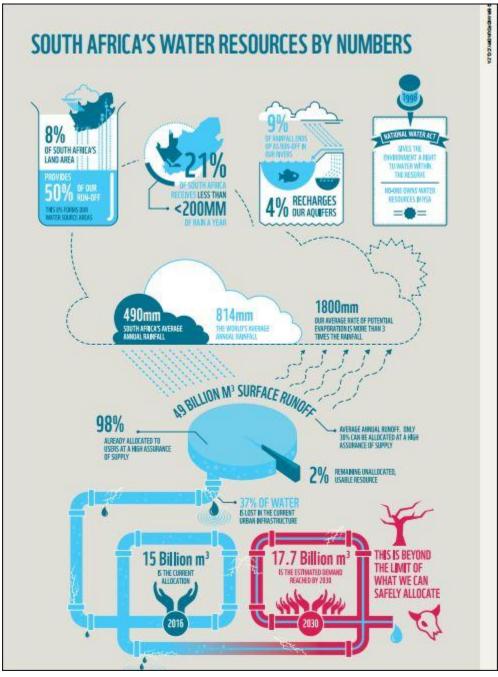
- Basic facts:
 - 98% of water resource allocated since 2018
 - 60% agriculture, 30% towns & cities, 10% industry, mining & energy generation
 - 47% NRW
 - Complex government architecture
 - Water resource nationalised in 1998
 - Dammed up
 - Excellent water genetics (RO, DPR, IPR, Inter-basin transfers & Drop Reports)
 - 97% of STP's non compliant
 - Over 50% of water systems in poor conditions
 - Municipal services not ring fenced
 - Poorly performing WSP's
 - 144 WSA's and 257 munis
 - IWR not yet implemented
 - Deep politicisation of water services
 - Well developed legal and policy frameworks but not well implemented
 - Water Act 1956
 - Water Security Framework NDP 2030
 - Reindustrialisation Plan
 - NIP 2050
 - Institutional capacity hollowed out
 - Increased competition for a reducing reserve
 - 2025 Water Indaba/Summit outcomes

• Opportunities:

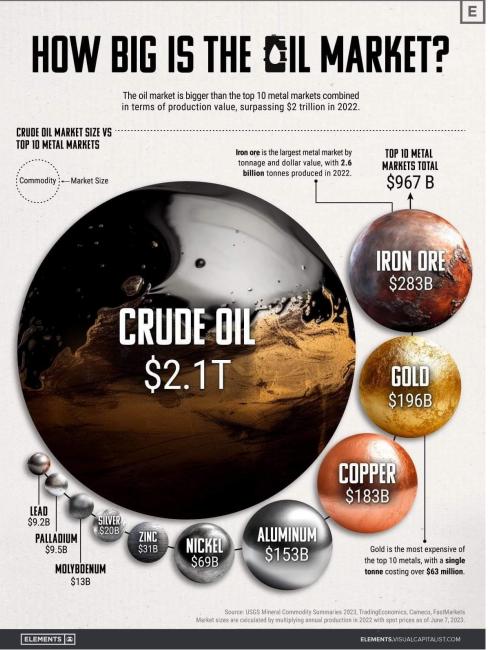
- NRW
 - Leak detection
 - Smart Analytics
 - Funding
 - Trenchless piping & Piping
 - IOT devices, C&I
- Reuse
- Municipal sewage
- Industrial process waters
- Commercial
- Tourism
- Aquifer recharge
- Desalination
 - Ground water
 - Sea water
- How:
 - Capacity building
 - Digitalisation
 - Localisation
 - SPV's, PSP's & PPP's
 - Unsolicited bids & innovation adoption enhancements
 - WPO (Water Partnership Office)
 - WSP's licencing regime
 - Nexus: Water-Waste-Energy
 - Collaboration



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May 2025 Benoît Le Roy's Water©



Oil @ 5 billion m³ per annum & USD2,1 trillion or R10 000 per m³

Water @ 4 trillion m³ per annum & USD2,0 billion or R10-00 per m³

NB: 1 trillion = 1 000 billion

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