

IN-PERSON EVENTS | Involving. Informing. Inspiring

CIWEM Urban Drainage Group Annual Conference 2022

8 – 10 November 2022

Hilton Birmingham Metropole

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THE VOYAGE OF BEST ENDEAVOURS

A Reflection on the Learnings from DWMP Cycle 1

Rebecca McLean & Jack Robinson
10th November 2022

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WONDERFUL ON TAP

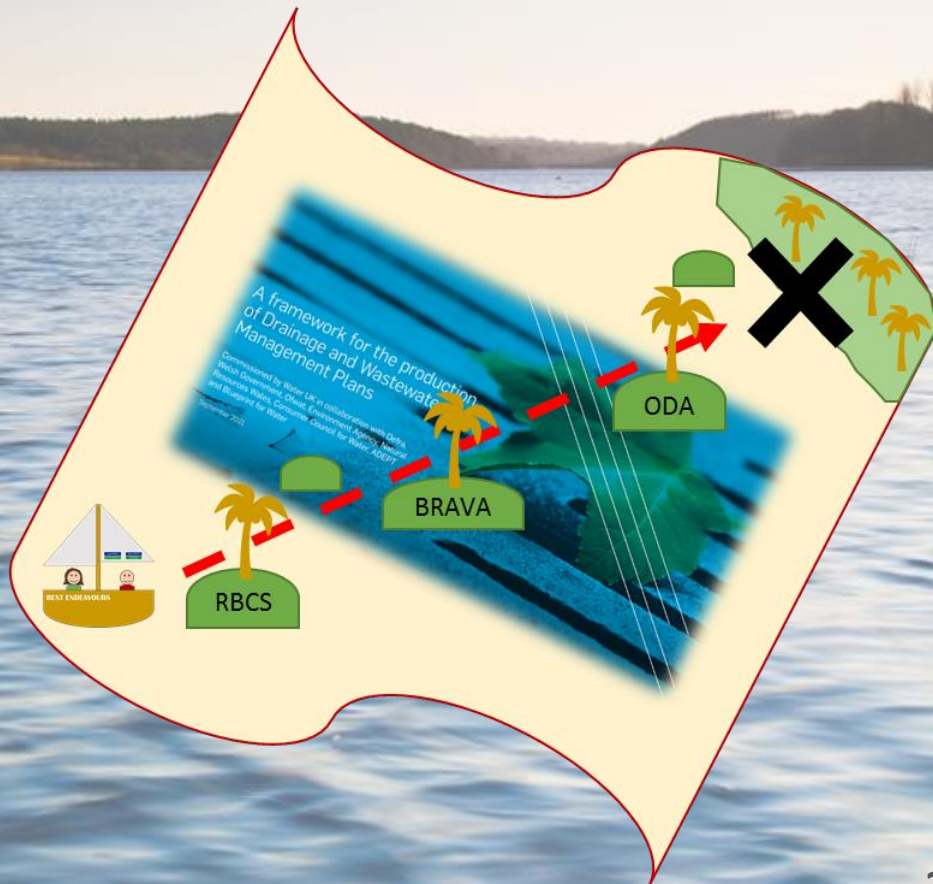
WONDERFUL ON TAP



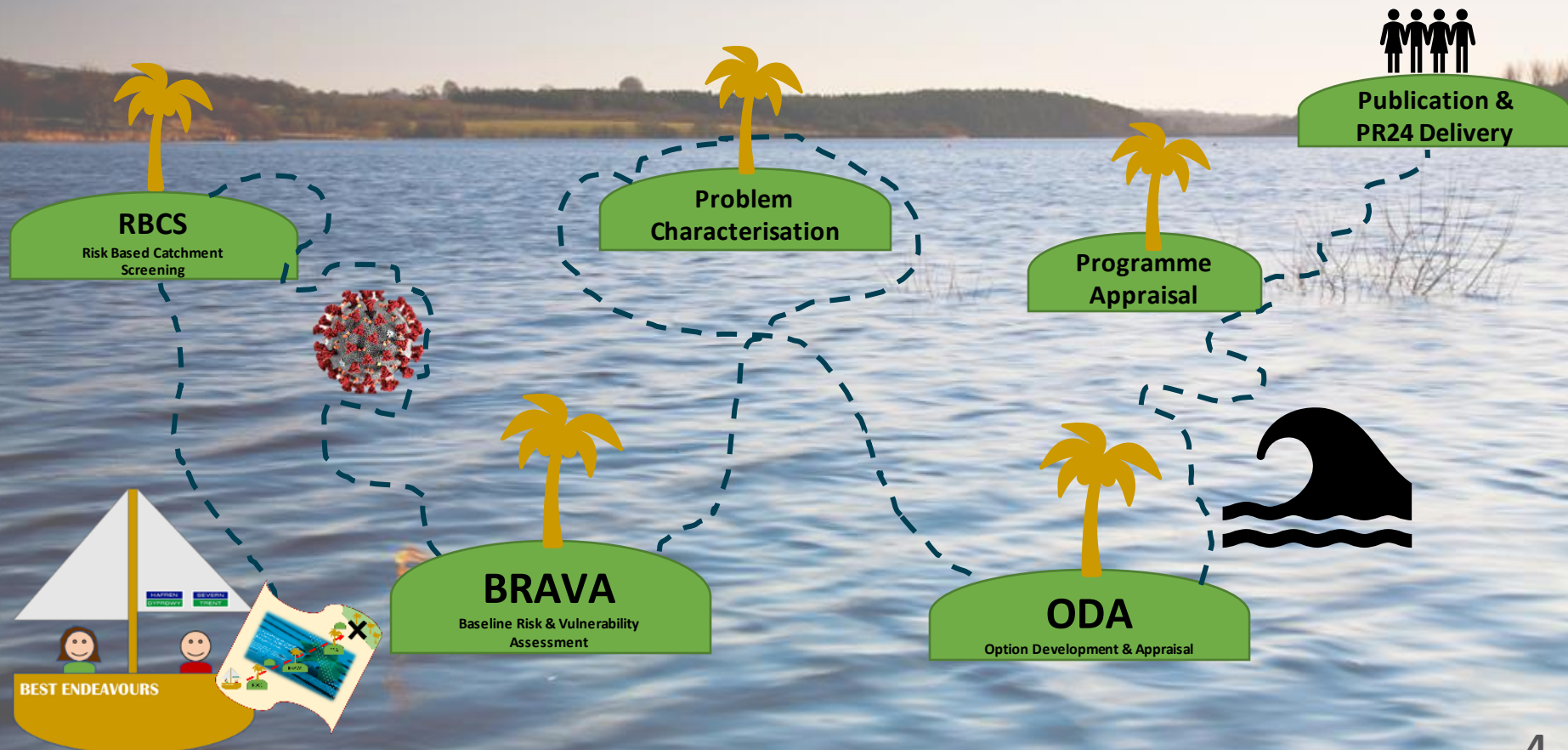
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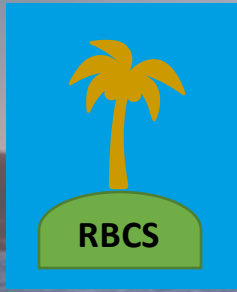


SETTING SAIL



NAVIGATING UNKNOWN WATERS





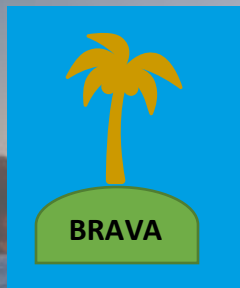
RISK BASED CATCHMENT SCREENING (RBCS)



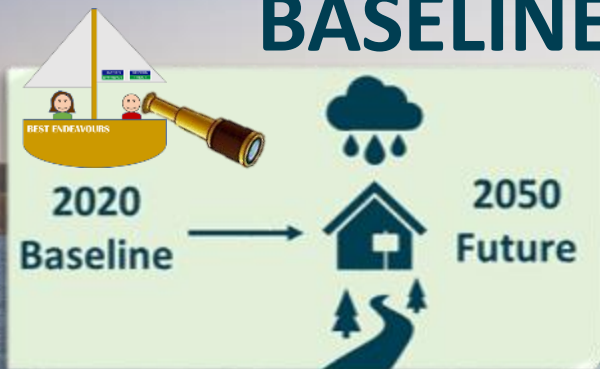
Did RBCS add value?



- Significant time to complete annually
- Backwards looking view isn't an indicator of future risk
- Further modelling doesn't give the full picture



BASELINE RISK & VULNERABILITY ASSESSMENT (BRAVA)



Plain Sailing

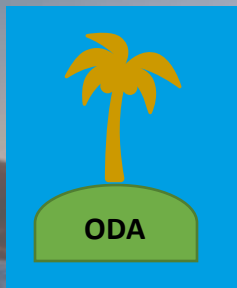
- 100% model availability
- Understanding of sensitivity to current & future risk
- Storm Overflow spill options
- >11,000 model runs utilised at ODA Stage

Stormy Seas

- Interpreting & applying the framework
- Preparing growth projections
- Aligning WwTW Assessment with internal processes
- Aligning to Water Resource Management Plan (WRMP)

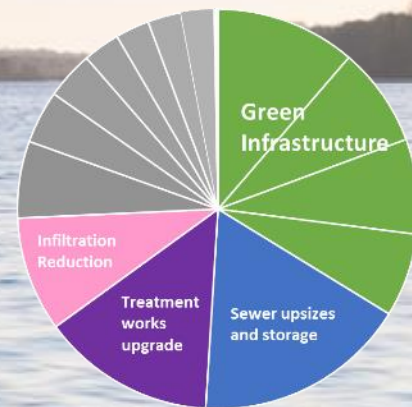
Improvements on the Horizon

- Set clear expectations on climate change scenarios
- Improve growth projections to support planning horizons
- Review approach to modelling 1 in 50 storms



OPTION DEVELOPMENT & APPRAISAL (ODA)

41 Generic options!
What we really need....



ODA screening outcomes

BEST ENDEAVOURS

Reduce Demand Remove inflow to release capacity

e.g Surface water separation, addressing groundwater infiltration and customer water use education

Optimise Supply Maximise existing asset capacity

e.g 'smart' technology to manage flows in existing network

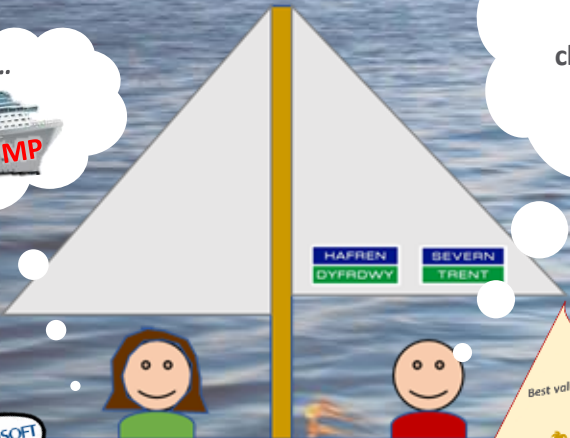
Increase Supply Building capacity where needed

e.g building bigger sewers and Wastewater Treatment capacity

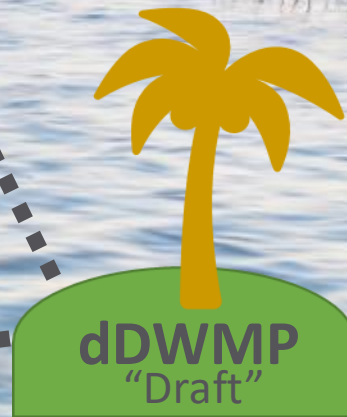
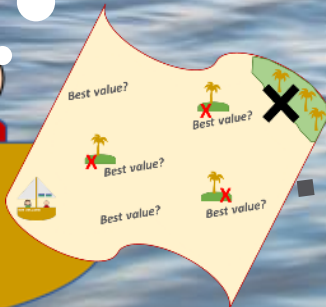
PROGRAMME APPRAISAL



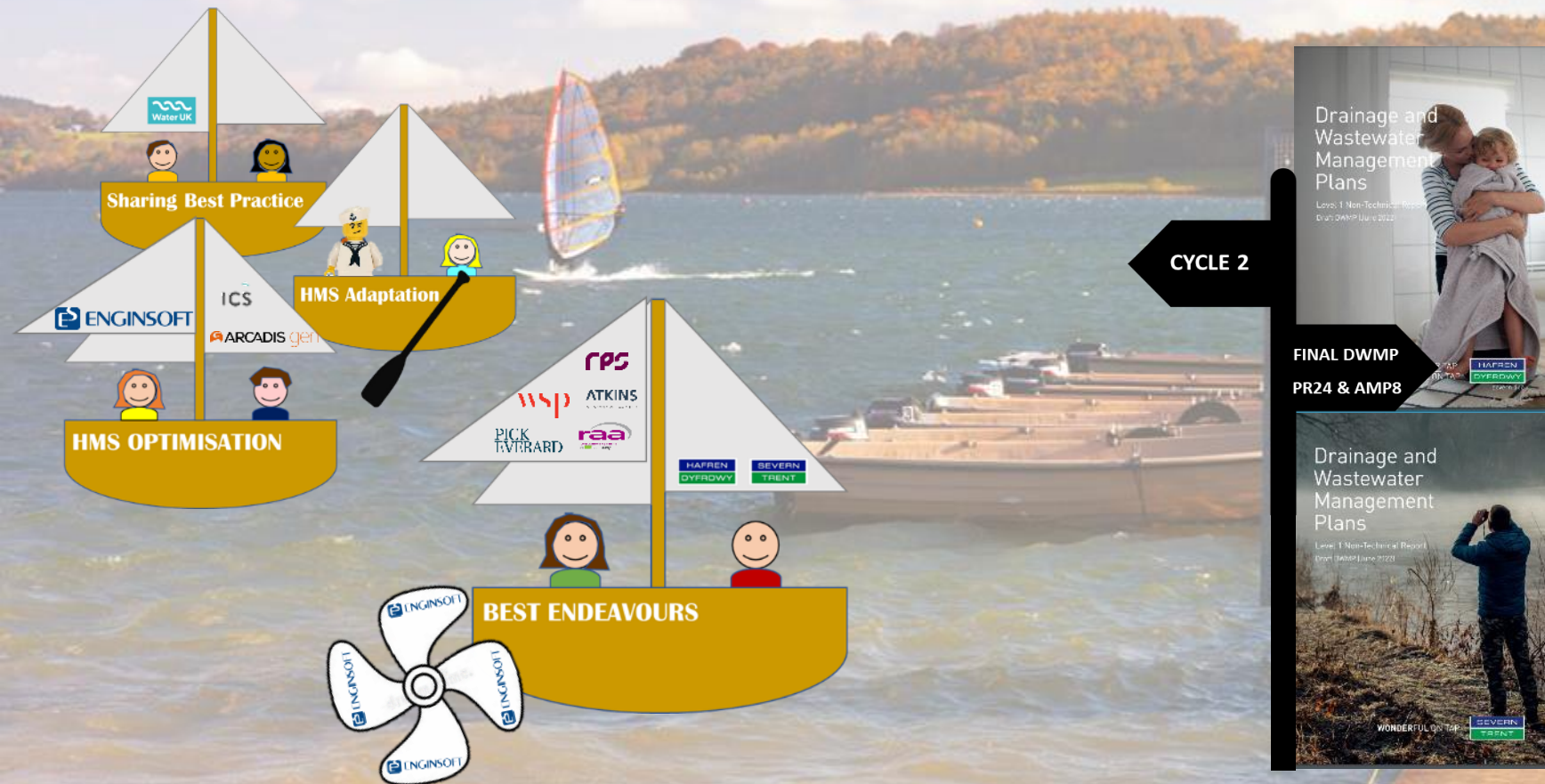
The detail within our emerging plan will continue to change shape as we approach PR24.



BEST ENDEAVOURS



THE ADVENTURE CONTINUES...



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