

HIGH PERFORMANCE SPORT NZ: OUR DATA JOURNEY

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NZ HAS IMPROVED IN TOTAL MEDAL COUNT OVER CONSECUTIVE OLYMPIC GAMES SINCE 2000

Tokyo 2020 was NZ's most successful Olympic campaign with 20 medals (7 Gold, 6 Silver, 7 Bronze)



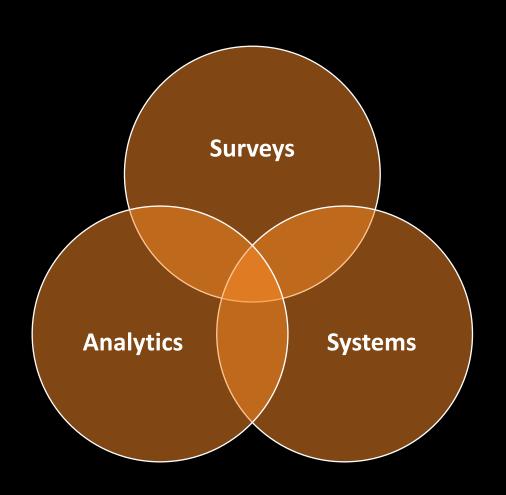


WHAT DOES HPSNZ DO?

- Works together with national sport organisations (NSOs) to enable and empower world-class performance.
- Every decision we make at HPSNZ should bring us closer to a gold medal winning performance.



INTELLIGENCE AND SYSTEMS TEAM

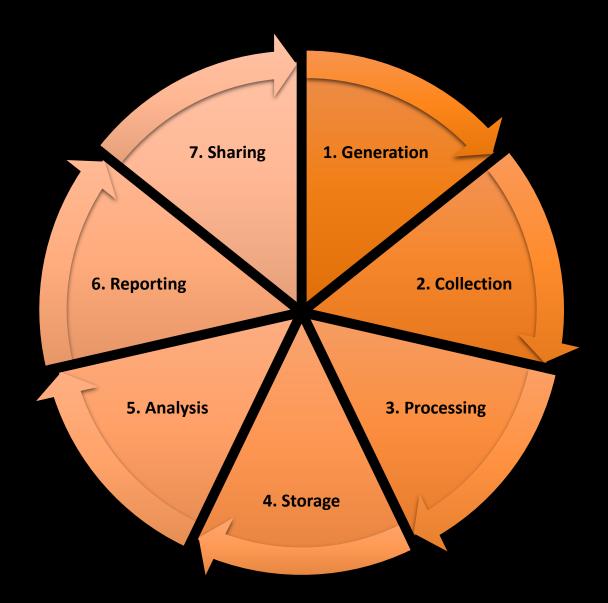




MISSION

- Deliver a "new end-to-end, system-wide intelligence platform and capability" by 2032.
- Hard to define, complex
- High Performance Sport New Zealand streamline resource allocation, facilitate partnerships with NSOs
- National Sport Organisations ability to evaluate individual, campaign, and pathway performance

JOURNEY – DATA LIFE CYCLE



DATA GENERATION AND COLLECTION

Psychology

Physiotherapy

Results

Biomechanics

Nutrition

Physiology

Medical

Life Counsellors

Coaching

Strength & Conditioning

DATA GENERATION AND COLLECTION

- Over 200 platforms
- Smartabase
- Consent and ethics
- Governance
- Data and digital literacy





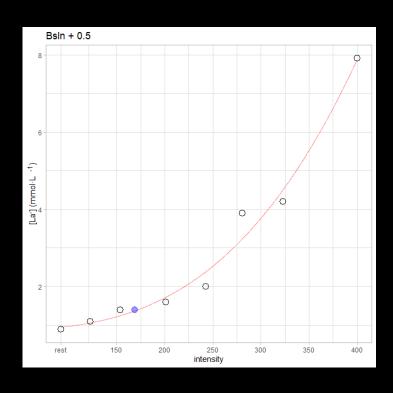






DATA PROCESSING AND STORAGE

Physiological Testing





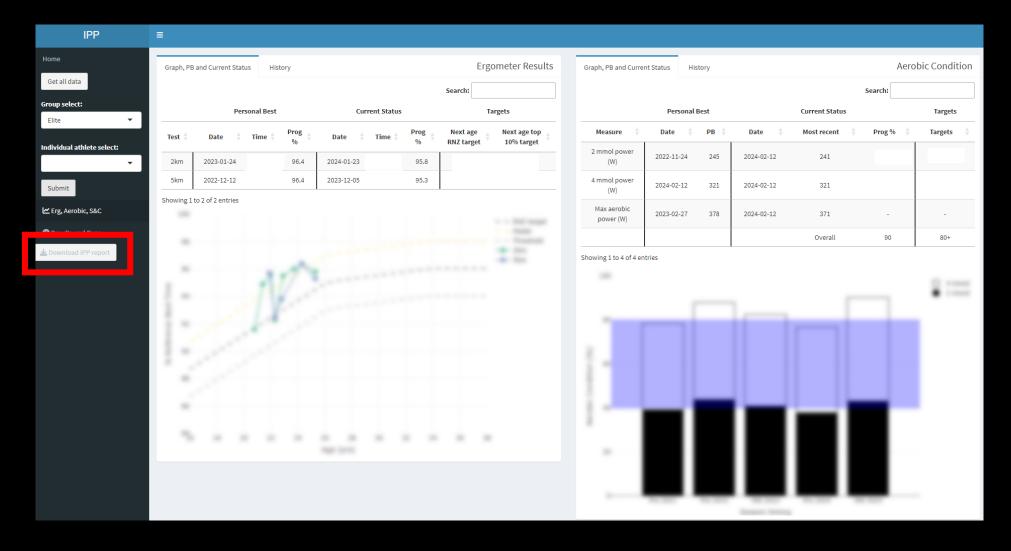
DATA PROCESSING AND STORAGE

- Currently doing more processing after storage
- Migrating to Snowflake
 - Lots of learnings
 - Generalists
 - Sharing agreements legal





DATA ANALYSIS AND VISUALISATION REPORT AUTOMATION







AUTOMATED REPORTING GROUPED INSIGHTS







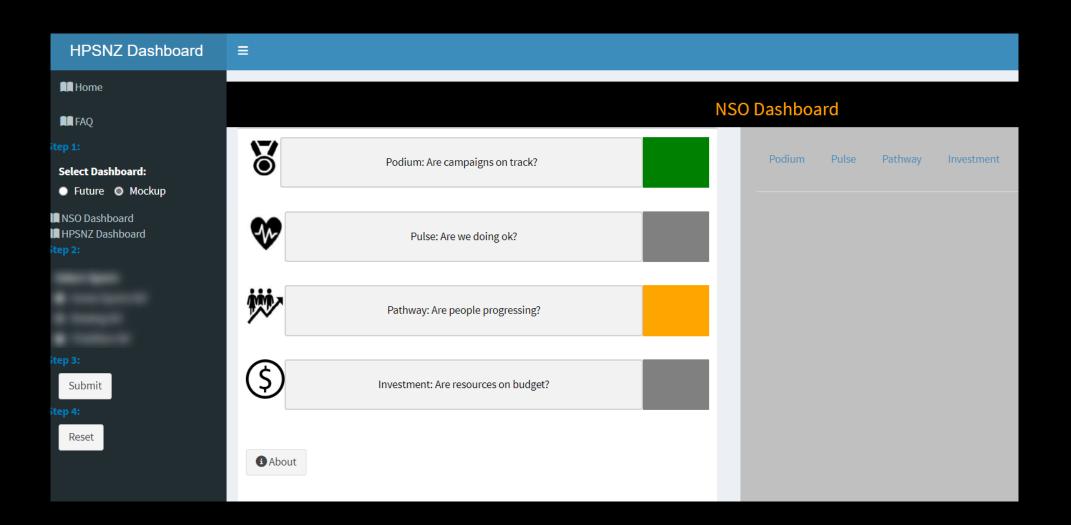
Programme

National Sport Organisation



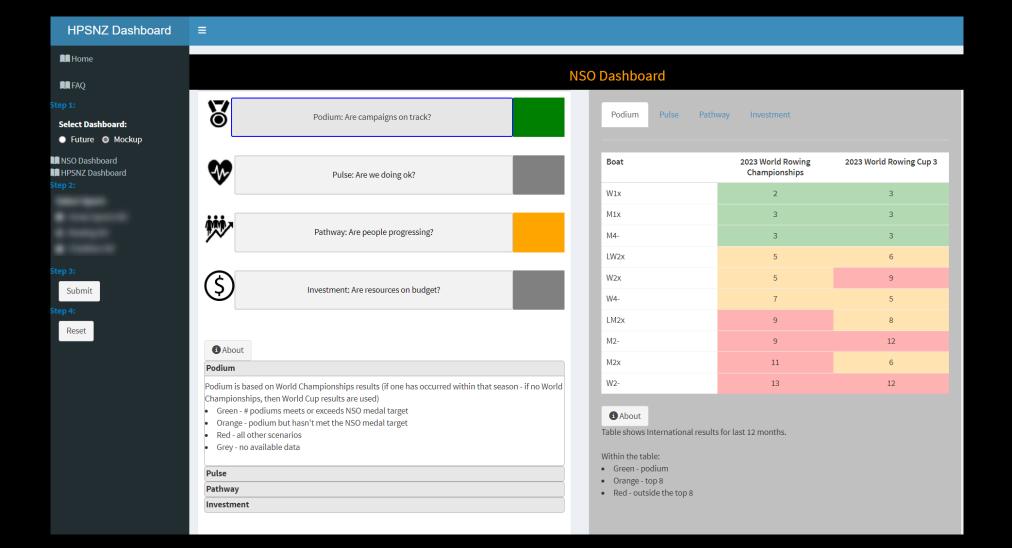


AUTOMATED REPORTING continued



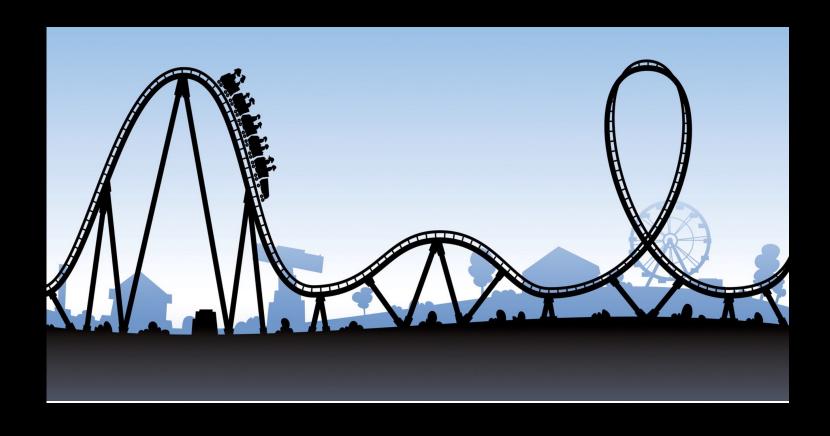


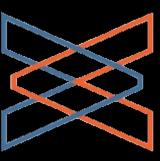
AUTOMATED REPORTING continued





SHARING AND SYSTEM





OPPORTUNITIES

- Data science strategy Open-source advantage, System approach
- Infrastructure Data warehouse and Posit connect
- Education Posit Academy
- Ways of working Templates, coding guidelines, Github (currently adhoc)
- Connecting with the wider community

ANY QUESTIONS?

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