Ministry for Primary Industries
Manatū Ahu Matua

Engagements of a different kind

Geospatial Maturity and the Roadmap

Ministry for Primary Industries

9 Branches

- Corporate Services
- Policy & Trade
- Compliance and Governance
- Public Affairs
- 5 Branded Business Units

Biosecurity New Zealand
Tiakitanga Pūtaiao Aotearoa

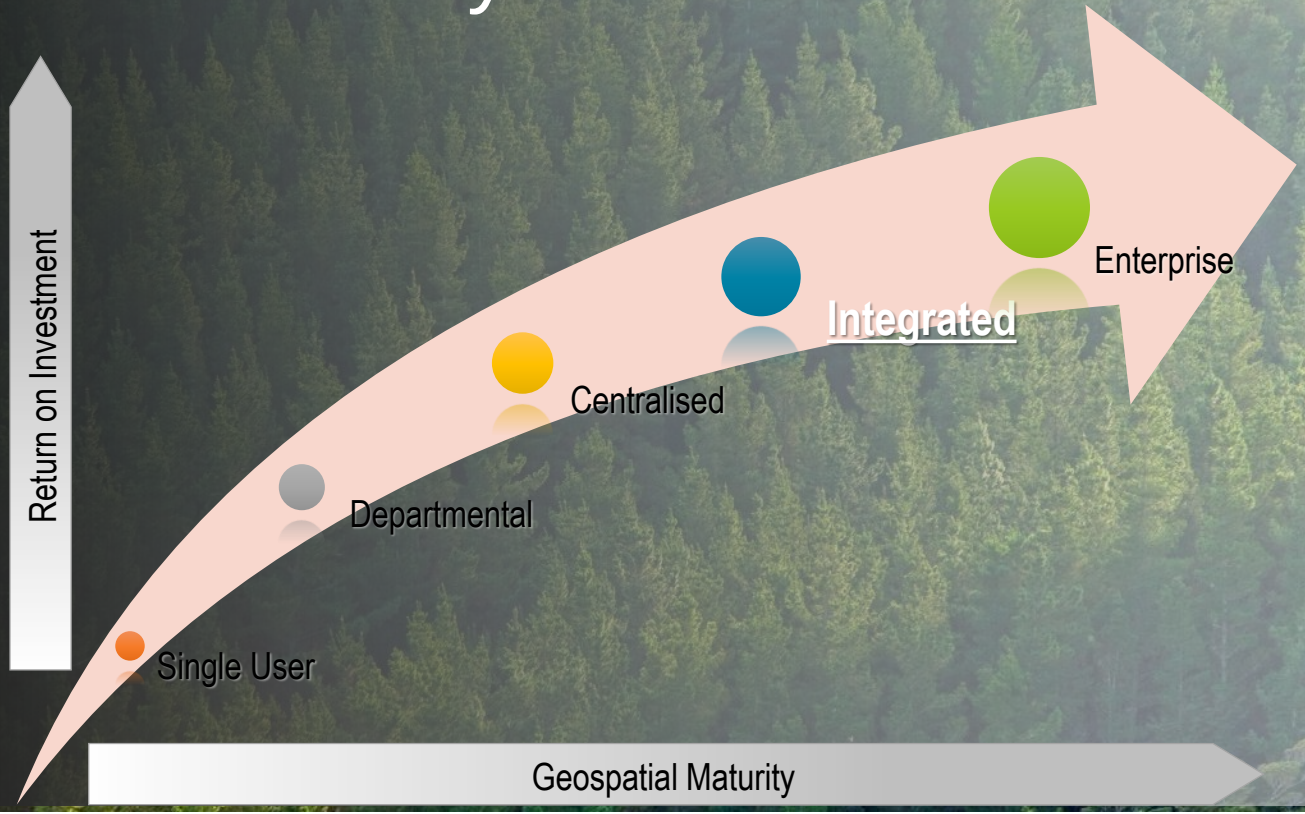
Agriculture & Investment Services
Tapuwae Ahuwhenua

Fisheries New Zealand
Tini a Tangaroa

New Zealand Food Safety
Haumaru Kai Aotearoa

Te Uru Rākau
Forestry New Zealand

Geospatial Maturity at MPI



Federated Capability Model

- Federated model
- Varying capabilities and skills
- Supporting business units

MPI Vision

"New Zealand will be the most sustainable provider of high-value food and primary products."

Geospatial Vision

"Offer an OPEN and transparent geospatial technology and data to the business, through a PROACTIVE and ENGAGING approach to deliver AGILE solutions that support decision making and provide leadership."

Laying the foundations

THEMES

VISION

Aligning the business with technology

CURRENT TO FUTURE

Identify MPI's current capability and then build on that and look for opportunities to build new capabilities

INITIATIVES

Developed a list of initiatives that align with themes

TRANSFORMATION

Produced a Transformation roadmap identifying which initiatives are required before working to the future capabilities

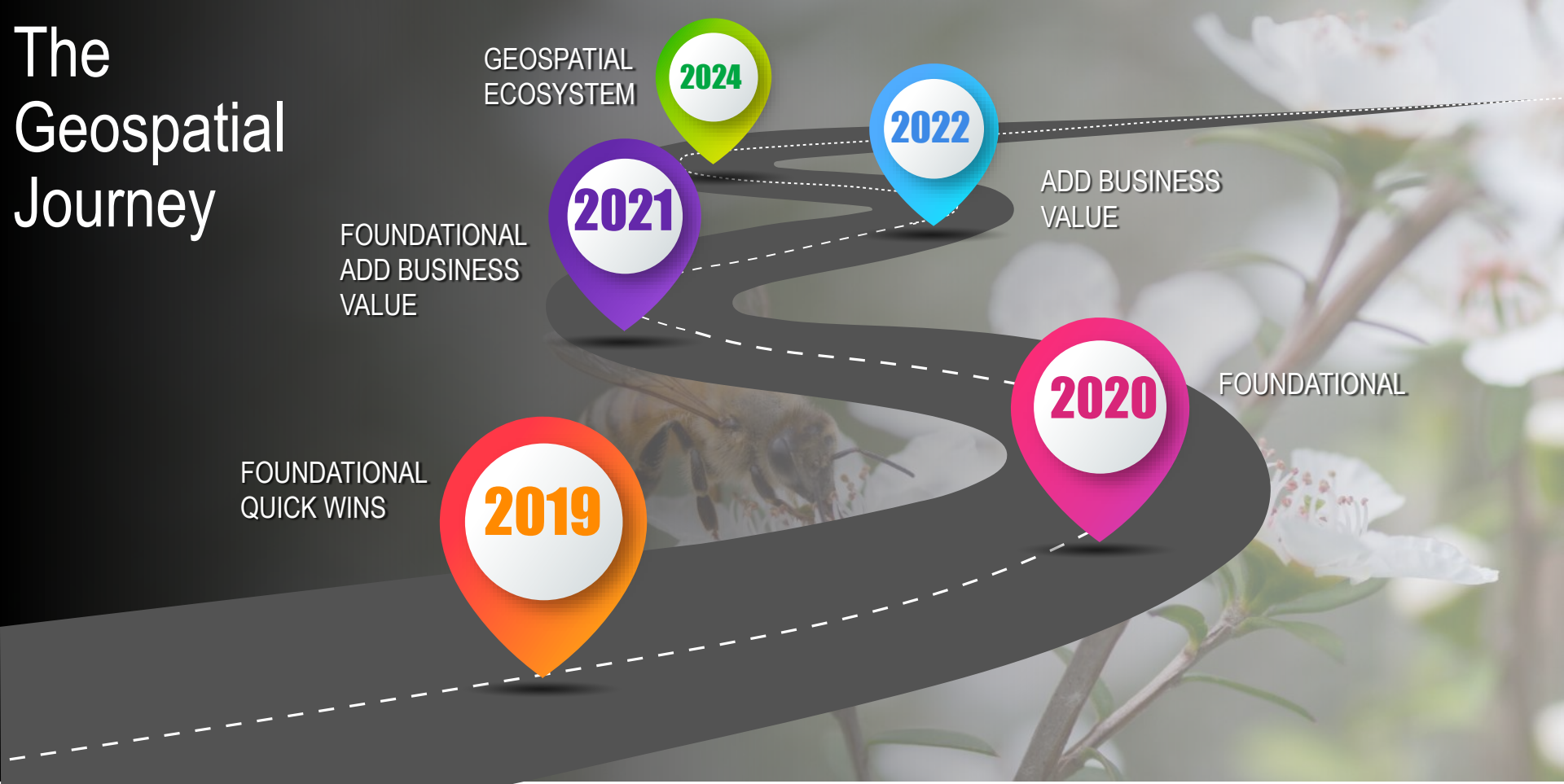
THEMES

- Communication and Engagement
- Geospatial Data as an Asset
- Geospatial Technology
- Continuous Improvement
- People & Resources

PAIN POINTS

- Self-service functionality
- Understanding and awareness
- Knowledge of geospatial
- Limited resources and capacity
- Utilisation of non-geospatial data
- Use of field capture & presentation tools
- Utilise tools and functionality
- Clarification of roles and responsibilities
- Training development plans.

The Geospatial Journey



Foundational

- Deliver current and stable environments
- Demonstrate capabilities
- Provide training to upskill
- Undertake PoCs to add value
- Deliver foundational projects

Business Value

- Implement new functionality
- Become more resilient
- Increased maturity
- Well formed processes for data

Geospatial Ecosystem

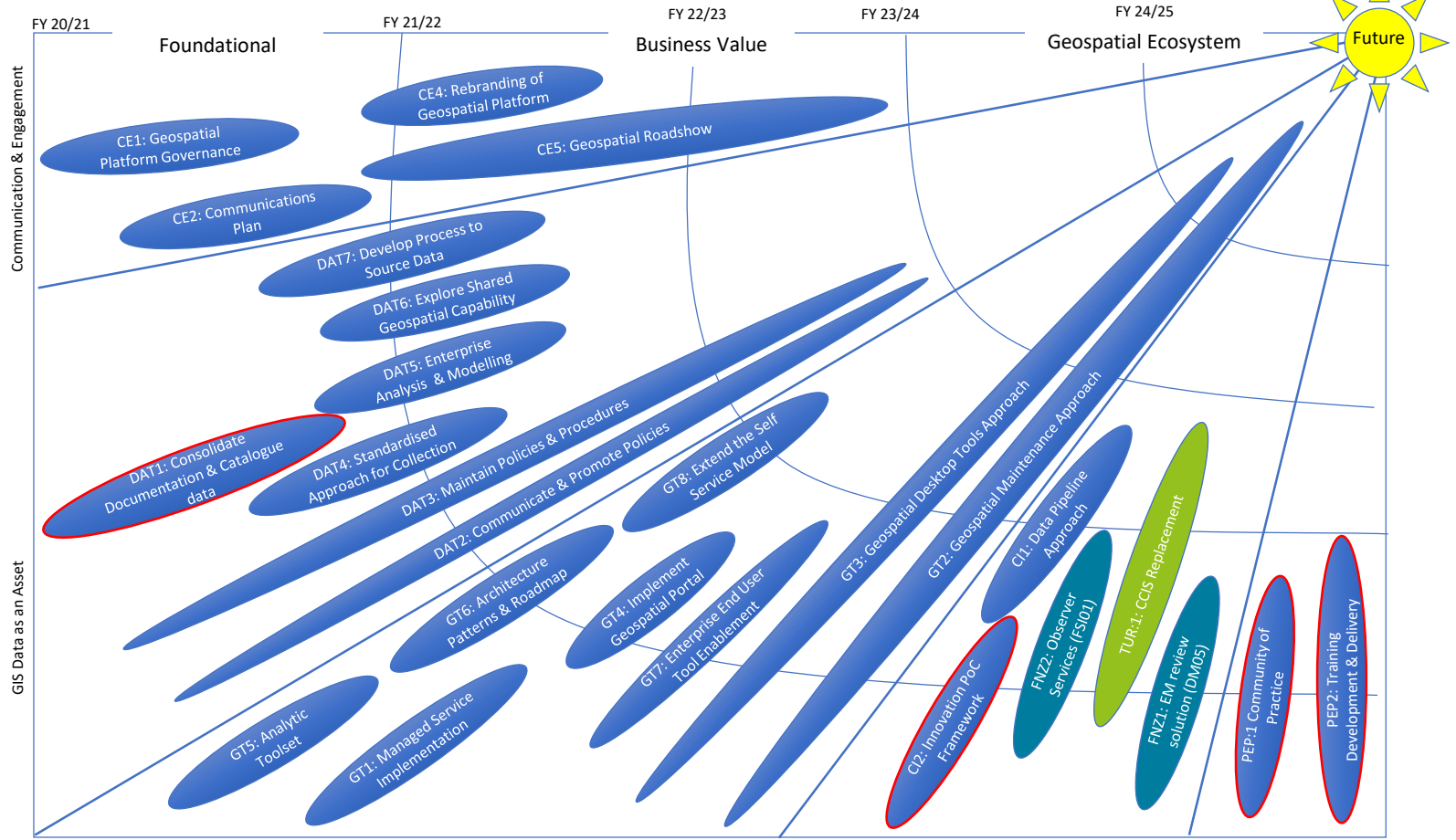
- Moves to a mature self-service model for geospatial enablement.

QUICK WINS

- Geospatial platform governance
- Communicating and promoting policies and procedures
- Innovation PoC framework
- Community of practice

KEY INITIATIVES

- Communications plan
- Communicate and promote policies and Procedures
- Managed service implementation
- Training development and delivery


FY 20/21
FY 21/22
FY 22/23
FY 23/24
FY 24/25
Foundational
Business Value
Geospatial Ecosystem
Future
Communication & Engagement
GIS Data as an Asset
CE1: Geospatial Platform Governance
CE2: Communications Plan
CE4: Rebranding of Geospatial Platform
CE5: Geospatial Roadshow
DAT7: Develop Process to Source Data
DAT6: Explore Shared Geospatial Capability
DAT5: Enterprise Analysis & Modelling
DAT1: Consolidate Documentation & Catalogue data
DAT4: Standardised Approach for Collection
DAT3: Maintain Policies & Procedures
DAT2: Communicate & Promote Policies
GT8: Extend the Self Service Model
GT6: Architecture Patterns & Roadmap
GT4: Implement Geospatial Portal
GT7: Enterprise End User Tool Enablement
GT5: Analytic Toolset
GT1: Managed Service Implementation
GT3: Geospatial Desktop Tools Approach
GT2: Geospatial Maintenance Approach
CI1: Data Pipeline Approach
CI2: Innovation POC Framework
FNZ2: Observer Services (FSIO1)
TUR:1: CCIS Replacement
FNZ1: EM review solution (DMOS)
PEP:1 Community of Practice
PEP2: Training Development & Delivery
GIS Technology
Continuous Improvement
People & Resources
QUICK WIN

Geospatial Value Chain

Manage Geospatial Platform

Geospatial platform service provisioning

Maintenance of Geospatial Technology Stack

Manage Geospatial Data

Data Custodian

Data Management

Implement Data / Metadata Standards

Analyse Geospatial Data

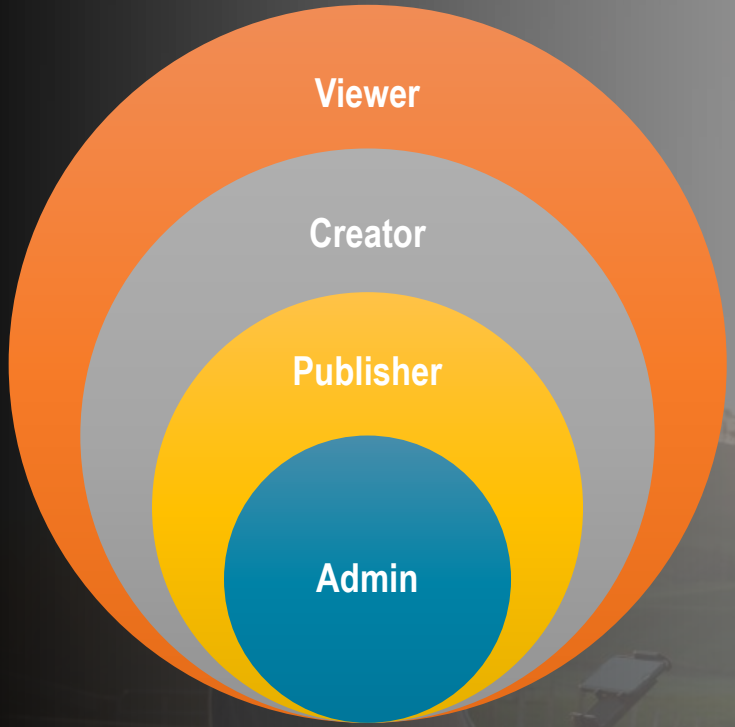
Geospatial Data Analysis

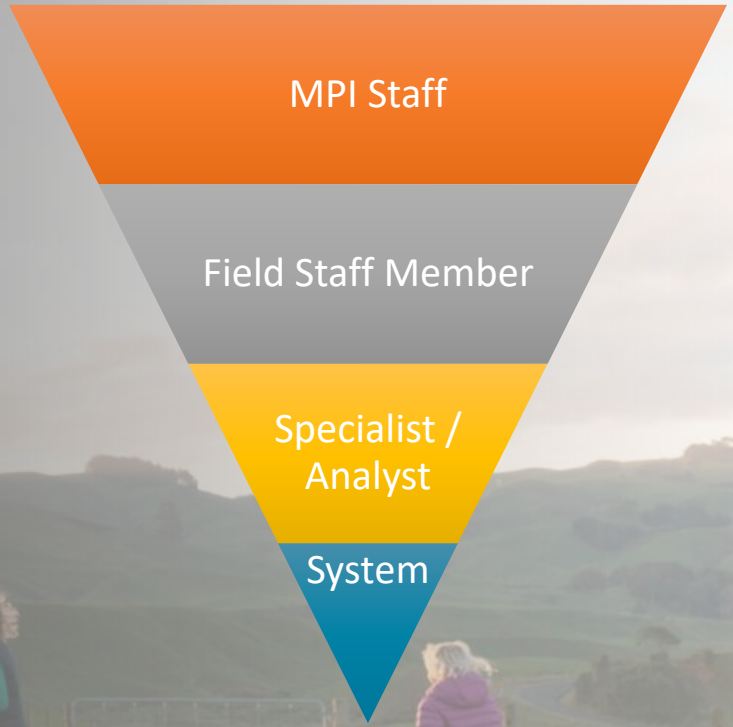
Consume Geospatial Content

Geospatial Data Visualisation

Data Stewardship

Roles and Responsibilities





Where to Next…

- Create governance and programme board
- Develop project charters for initiatives
- Develop community of practices

THANK YOU!

Any questions?