

Digital Strategy

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Overview



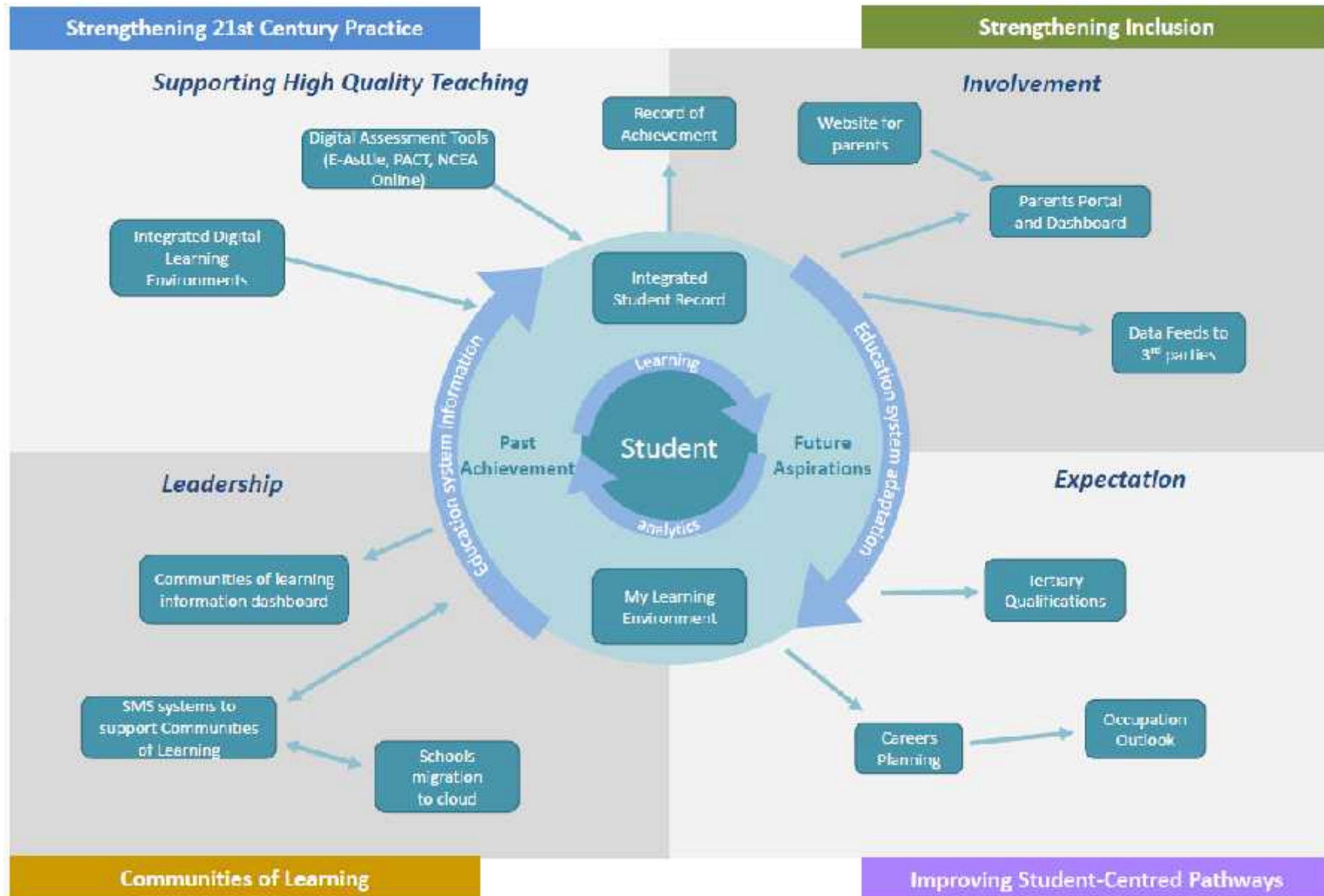
- **Digital Strategy Overview**
- **Student Centric Design Approach**
 - Past Achievement
 - Future Aspiration
- **Aligning the Agencies**
 - Agency Target State
 - Digital Channels
- **Enabling Capabilities**
 - School's Cloud Infrastructure
 - Student Information Sharing (SIS)
 - Identity & Access Management (IAM)

Key Digital Strategy Elements

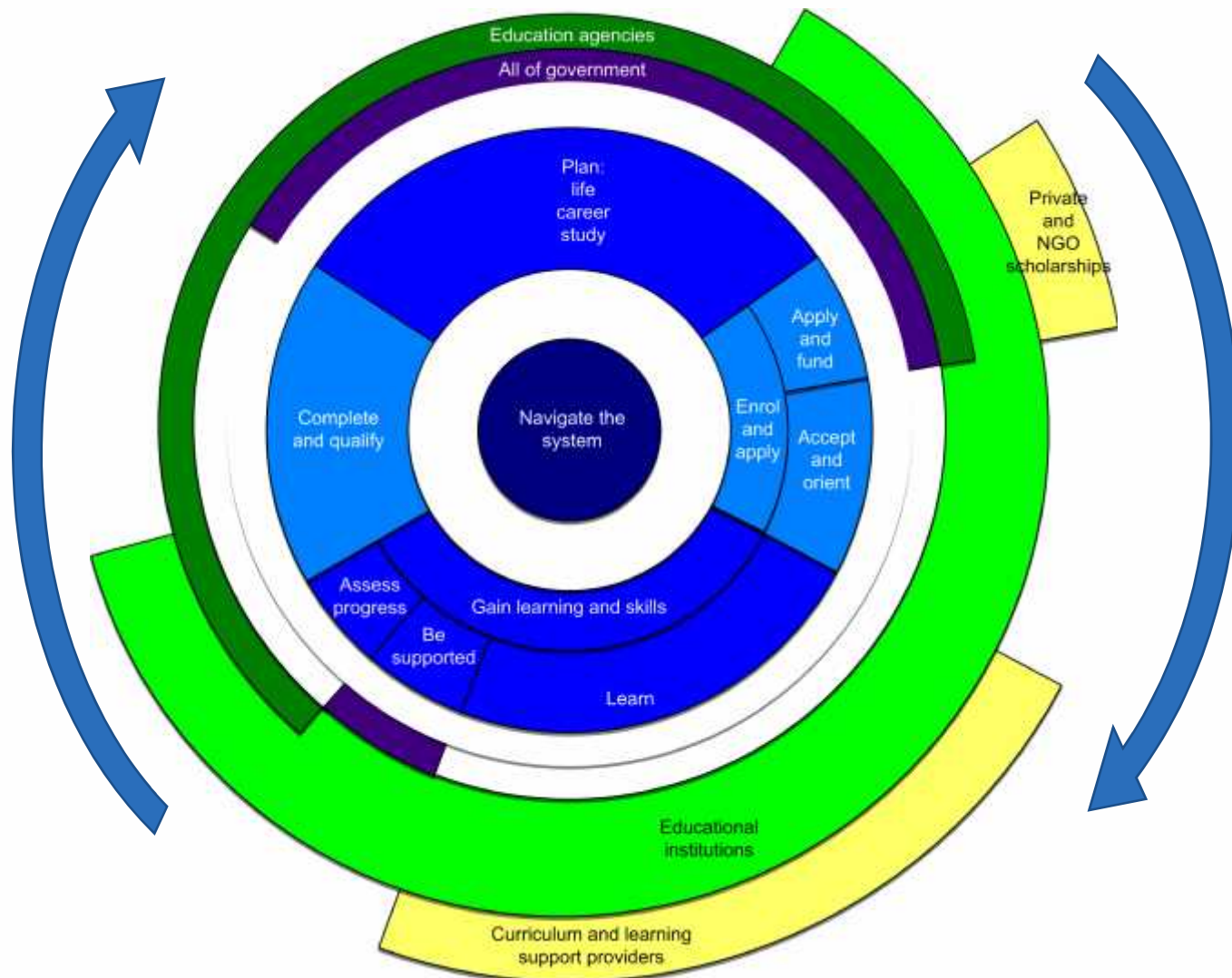


- System-wide approach
 - Outside-in view of agencies
 - Support govt-wide citizen “life-events” model
- Student/Learner centric
 - Support personalised learning
 - Information to follow the student through the system
- Enhance workforce productivity
- Drive cost out of education administration
- Make information available to all of those who need it
- Leverage Govt ICT Strategy/Common Capabilities

Student Centric Design

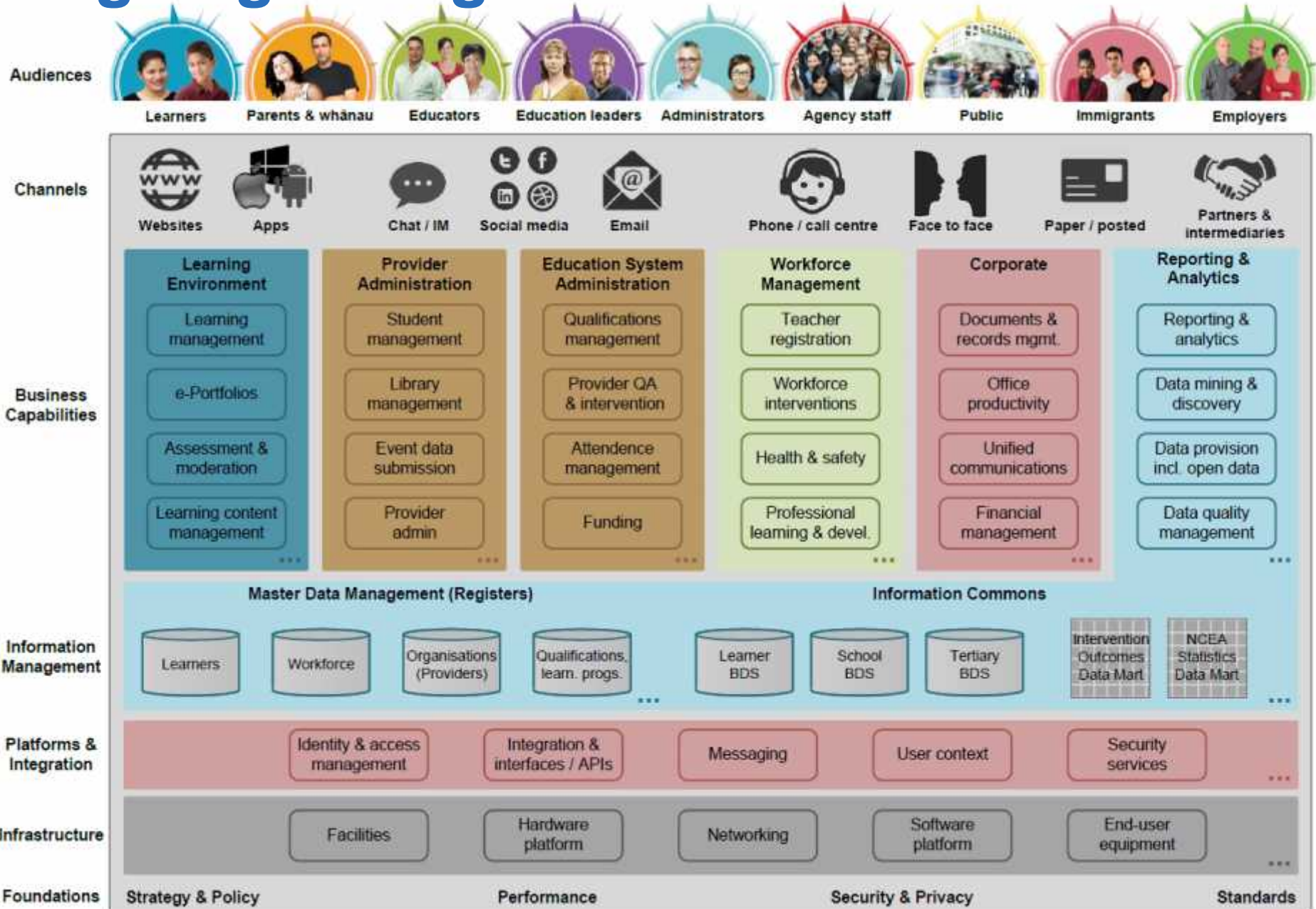


Learner roles & interactions



Repeats through EC, primary, secondary, tertiary, employment

Aligning the agencies



Aligning the agencies – Digital Channels



1. Consolidated digital channels organised around customer segments and life stages
2. Enduring customer knowledge across channels and across agencies
3. Higher degree of self service and automation
4. More integrated digital service delivery between web and call centre
5. Explicit support for intermediaries

Agency provided external facing digital channels

Citizens & immigrants

Businesses

Govt.nz

data.govt.nz

BUSINESS.GOV.T.NZ

data.govt.nz

Parents and whānau

Learners

Migrants

Education provider personnel

Employers

EDUCATION.govt.nz

- Consolidated generalist content and services (e.g. contact us, complaints) managed by cross-agency team
- Agency managed corporate content

ECE, primary and transition to secondary

Secondary, tertiary & employment transition

Coming to NZ

Education workforce

Educating

Managing & admin.

Researching

Recruiting & developing

- Content and integrated services consolidated by role (e.g. education workforce)
- Responsive, accessible and multi-lingual websites supported with native mobile apps where justified
- Integrated workflow for requests
- Managed by cross-agency teams

Platform services supporting all channels (incl. third party)

- Reusable services / APIs and open data to support all channels e.g. NSI, RoA, SQR, ESIAM,
- Common platform(s)

Cross-agency governance, information architecture, service design capability, standards etc.

Schools Cloud

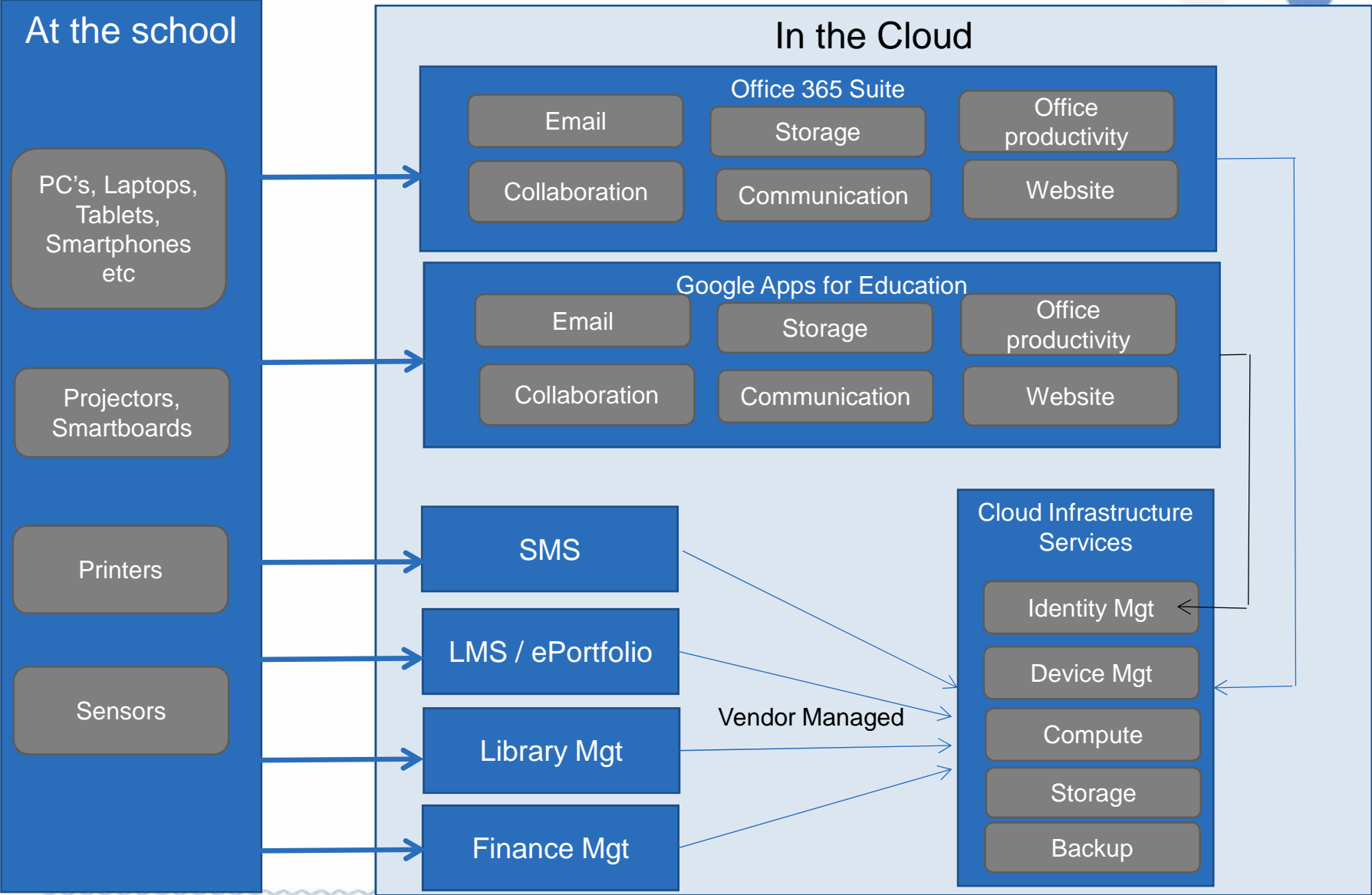
”Moving spend out of the server room and into the classroom”



1. A standardised but not centralised approach
2. Initial focus on Microsoft & Google office productivity & commonly used software applications
3. Commercial outcome – “Software as a Service” only
4. Enable schools to exit ALL on-premise server infrastructure
5. Enable greater levels of inter-operability

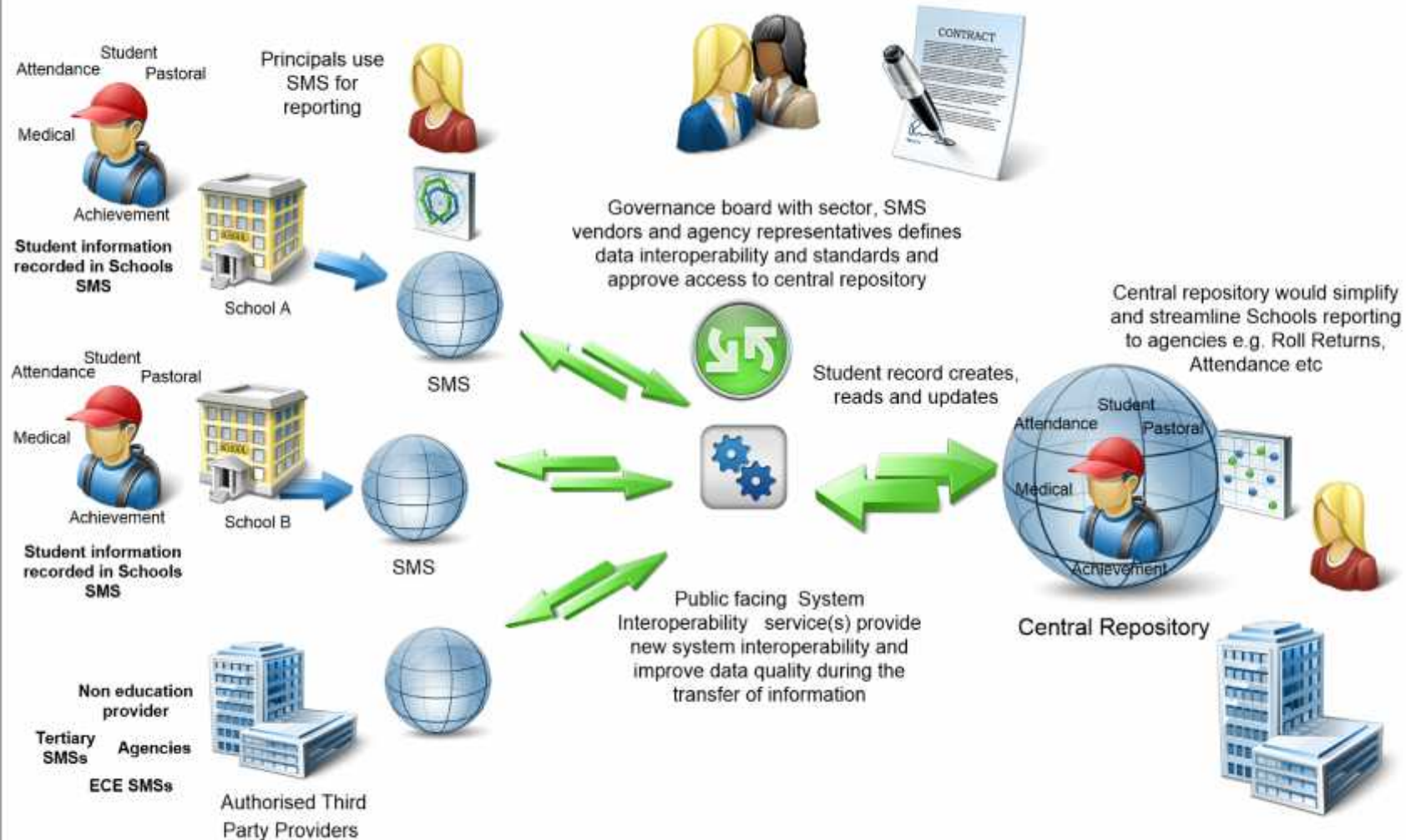
6. Time Frame
 - 2016 Proof of Concept, Commercials & Change Mgmt
 - 2017 Pilot 50 – 100 schools
 - 2018 Full rollout commences

Schools Cloud Scope/Approach



Student Info Sharing (SISI)

Future State - Student Information Sharing Initiative



Interoperability

Teacher records student contact, pastoral, health, progress, attendance, and achievement information in their SMS



SMS A

fname : "simon"
sname : "smith"
dob : "24.03.72"

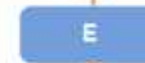
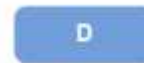
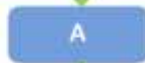
SMS's retain their unique data schemas



SMS E



name_1 : "simon"
name_2 : "smith"
date_birth : "mar-24-1972"



SIF service(s) enable interoperability between SMS's and agencies and ensure data quality

System Interoperability Framework (SIF)

Common Data Scheme



Transformation of data happens in real time.

first_name : "simon"
surname : "smith"
data_birth : 26382

All information in the central system is stored in common format



Central Data Repository

Identity & Access Management



1. Establish an individual's identity reliably at point of first contact
 - *eg: at time of enrolment or employment*
2. Match to government's authoritative identity records & maintain this linkage to survive underlying changes in identity
 - *eg: registers held by DIA*
3. Enable all users to only need a single logon credential in order to access systems and services they require
 - *ie: use your primary logon to access everything*
4. Leverage existing IAM systems to the maximum extent possible
 - *eg: Google, Microsoft, RealMe, Tahi*
5. Take an active risk management approach
 - *eg: introduction of biometrics when needed*

IAM Future State



Logon Credentials



Roles & Relationships



Identity Data



shared platform with DIA



Lifting aspiration and educational
achievement **for every New Zealander**