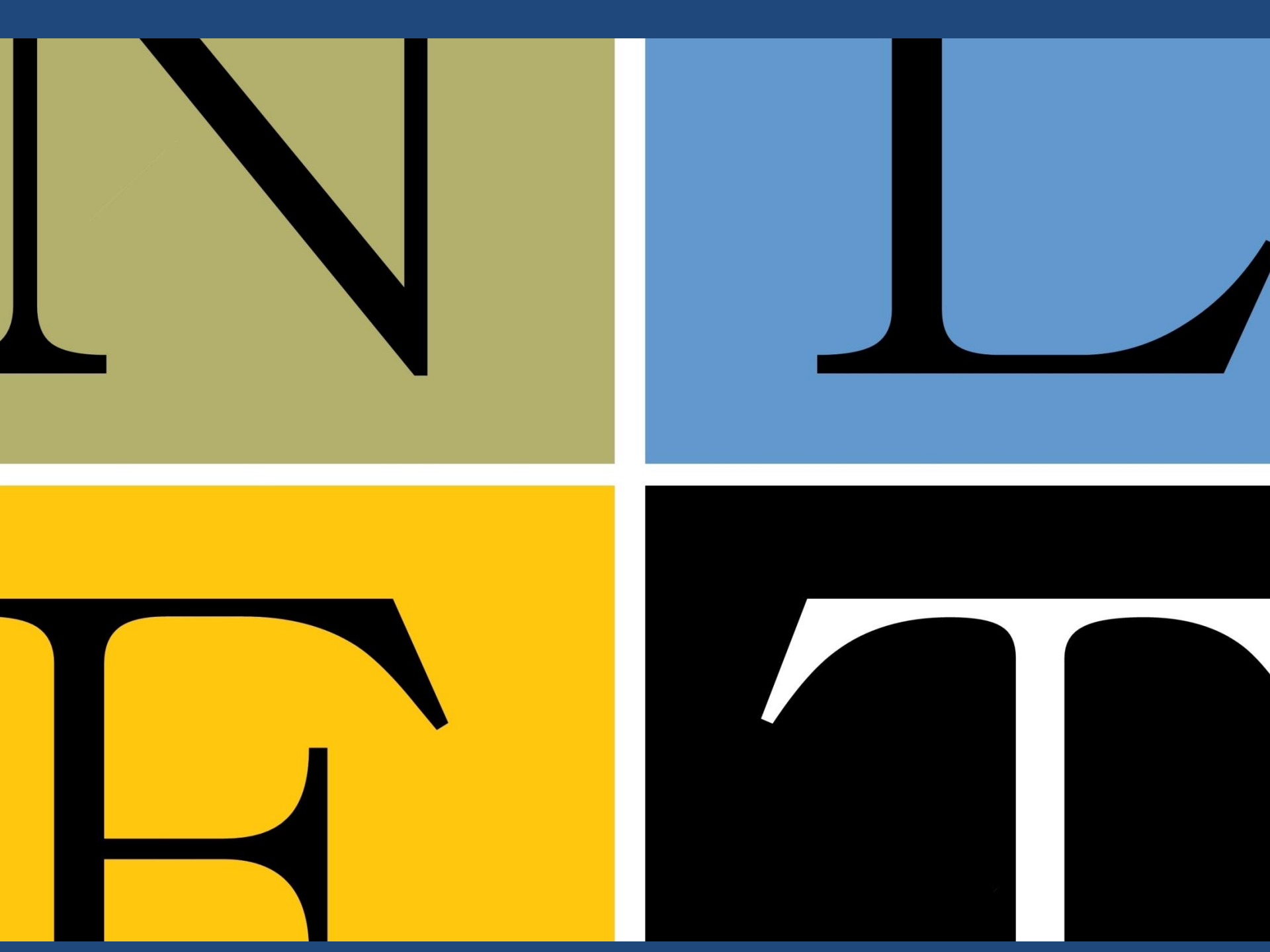
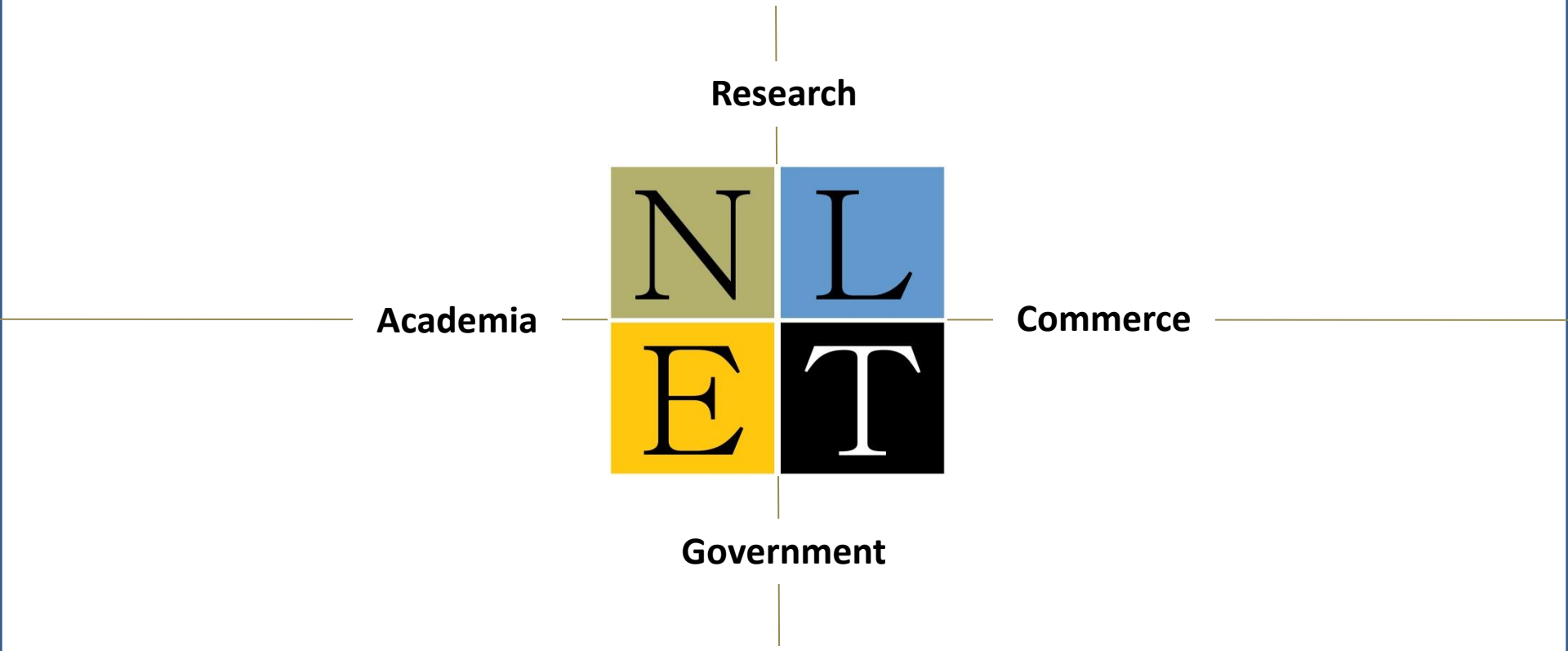


National Laboratory for Education Transformation



Building the path of least resistance to the most knowledge possible for the most people possible by exploiting cross-sector collaborations

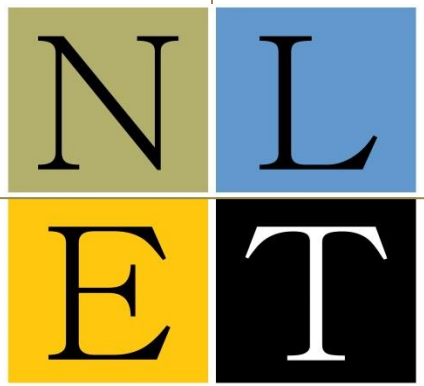
“MISSION : PARITY”

What

Silicon Valley non-profit deeply dedicated to the future of learning using the best tools and methods available in any sector to promote systematic personalized learning

Who

Memorandums of Understanding with: *University of California Santa Cruz; Los Alamos National Laboratory; University of Texas Austin. UCSC + NLET = Center for Learning Architecture, Silicon Valley*



Funding

National Science Foundation, National Institute of Standards and Technology, The Bill & Melinda Gates Foundation.

Focus

Personalization, learning accounts, mulit-agency processing, redesigning math learning for the Common Core, redesign of workforce systems.

“GENERAL SYSTEMS FOCUS”

PERSONALIZED LEARNING
Through learner accounts & universal transcripts, where learner navigates all learning available via identity systems

INFRASTRUCTURE REDESIGN
Design and R & D for smart, secure, data visualizing infrastructures for learning and training.

DEVELOPING A CENTER FOR EDUCATION VISUALIZATION

INTER-AGENCY SYSTEMS
For sharing, anonymizing, visualizing, critical data for learners, families & providing personal access

SKILLS AQUISTION
Combined with redesign of academic progression systems to know what to learn, measures and how to apply it in the workplace

"APPLYING RESEARCH "

Individual/Accounts

NSF DRK 12 – Agent-Based Modeling
UCSC, UT Austin, LANL, NLET

Infrastructure/Security

NIST NSTIC Trusted Identity Security
Resilient Networks, NLET, SAUSD, PVUSD

DEVELOPING A CENTER FOR EDUCATION VISUALIZATION

Regions/Access

NSF BCC – Silicon Valley Regional Data Set
UCSC, NLET, Strive Together, Stewards for Change

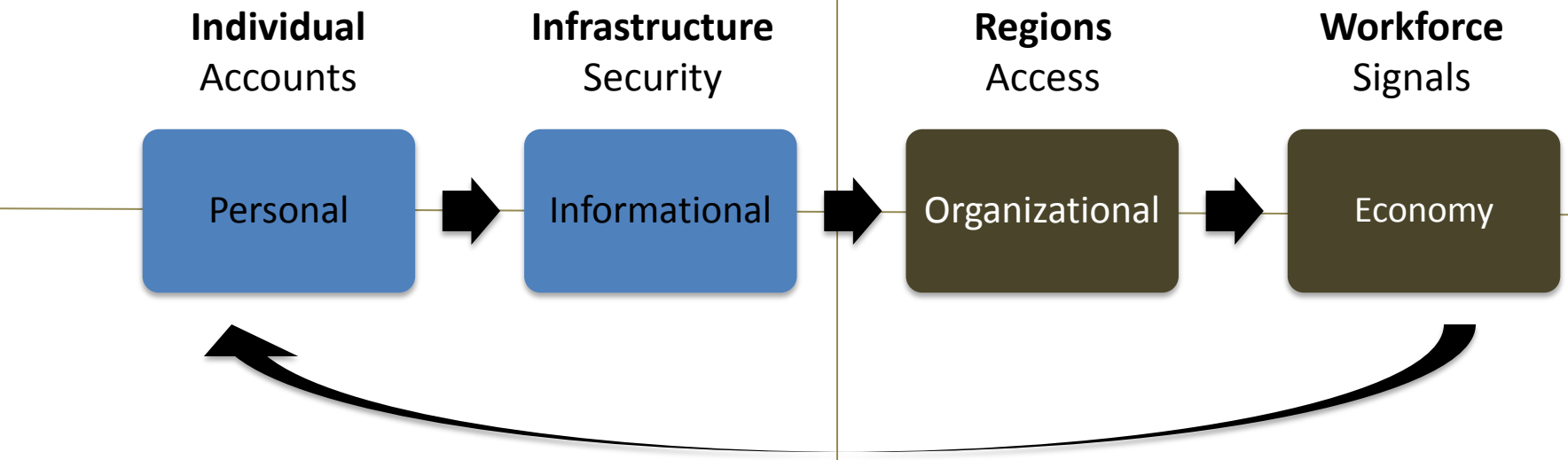
Economy/Signals

Gates Foundation – Skills Network
NLET, CSW, Eduworks, Lone Star, KCTCS, Pima Community College

"THEORY OF ACTION"

Post-Institutional Society
Pro-Individual, Information Services

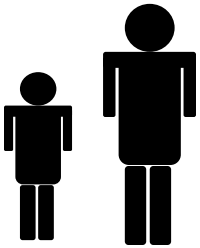
Stubbornly-Institutional Systems
Hierarchical, Administrative State



To move across the digital divide requires more than technology; patience, collaboration, interest-sharing and proof are necessary

“AREAS OF R & D ”

Individual/Accounts

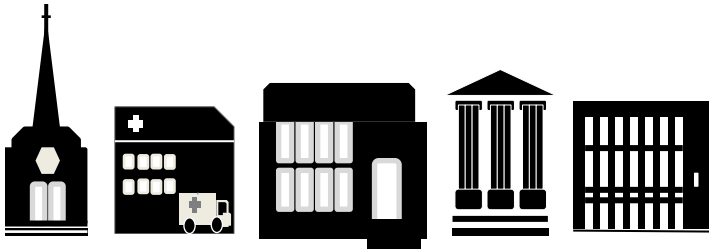


Infrastructure/Security

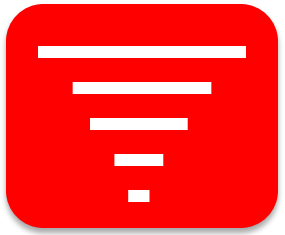
DATA

Research
Standards
Governance
Business-Models
Service & Privacy

Regions/Access



Economy/Signaling



“PARTNERING WITH EXPERTISE”

Individual/Accounts

gooru

iResult

Infrastructure/Security

THE trust network

POWERED BY resilient network systems

Regions/Access

APT Test & Learn®

Stewards of Change INSTITUTE, INC

Economy/Signaling

Geographic Solutions®

CSW Corporation for a Skilled Workforce

eduworks

"REGIONAL PROBLEM FOCUS

Individual/Accounts

NSF DRK 12 – Agent-Based Modeling
UCSC, UT Austin, LANL, NLET

Infrastructure/Security

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"TODAY'S DIGITAL DIVIDE"

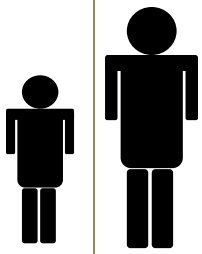
Consumer / Enterprise Sector

Social / Education Sector

***N* = 1**

***N* = all**

- Web Systems
- App Markets
- Smart Systems
- Big Data
- Identity Systems
- Social Media
- Data-Mining



- Education
- Training
- Social Services
- Juvenile Justice
- Health Services
- Police
- Workforce

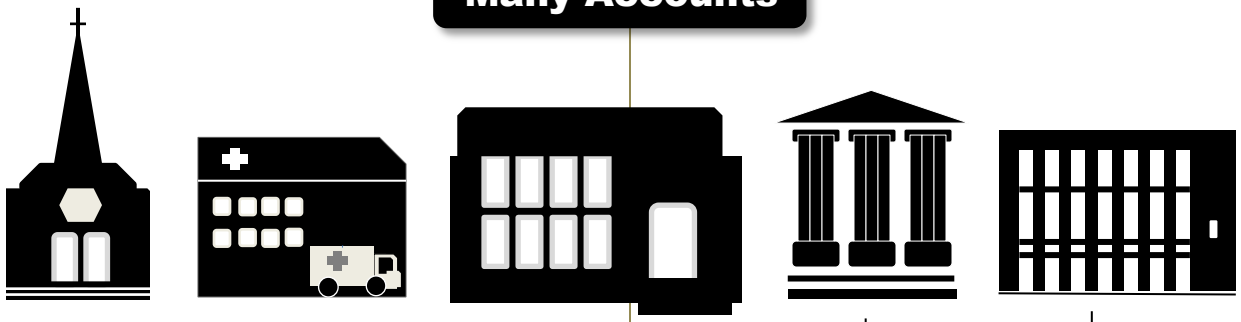
***N* = some**

NLET's goal is for n=1 / n=all to drive the learning and training worlds so that how we enable individuals is informed by common data.

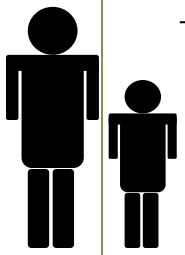
"*N* = SOME"

Regions/Access

Many Accounts



***N* = some**



DATA

Separate Data Stacks

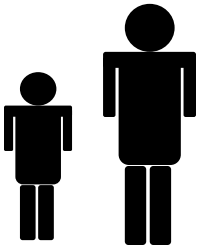
No Agreements

School-Agency Split

No Standards

“COMMON STRATEGY & STANDARDS”

Individual/Accounts



***N* = 1**

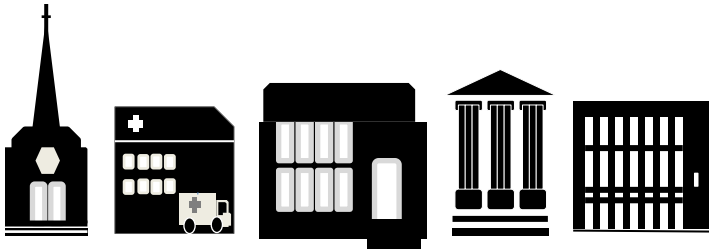
Infrastructure/Security

***N* = all**

DATA

Service & Privacy
Governance
Business-Models
Standards
Research

Regions/Access



***N* = some**

Economy/Signals

“SMART SECURE SERVICES”

Individual/Accounts

Infrastructure/Security

Privacy

Protection

DATA

Service & Privacy

Governance

Business-Models

Standards

Research

Regions/Access

Economy/Signals

Service

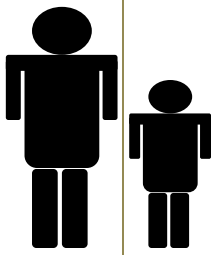
Learning

Individual/Accounts

MyData Button

Personal Learning Profile

One Account



DATA

Service & Privacy

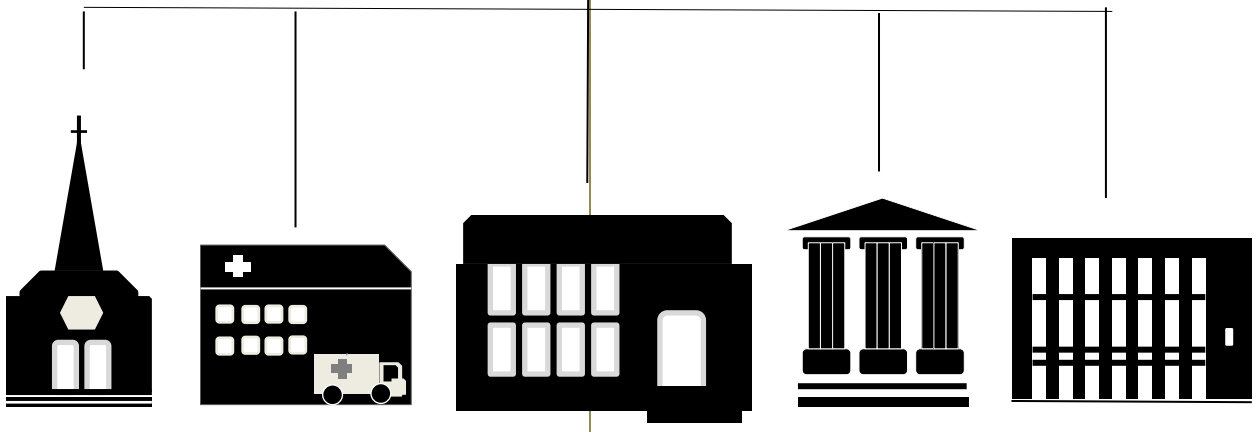
Governance

Business-Models

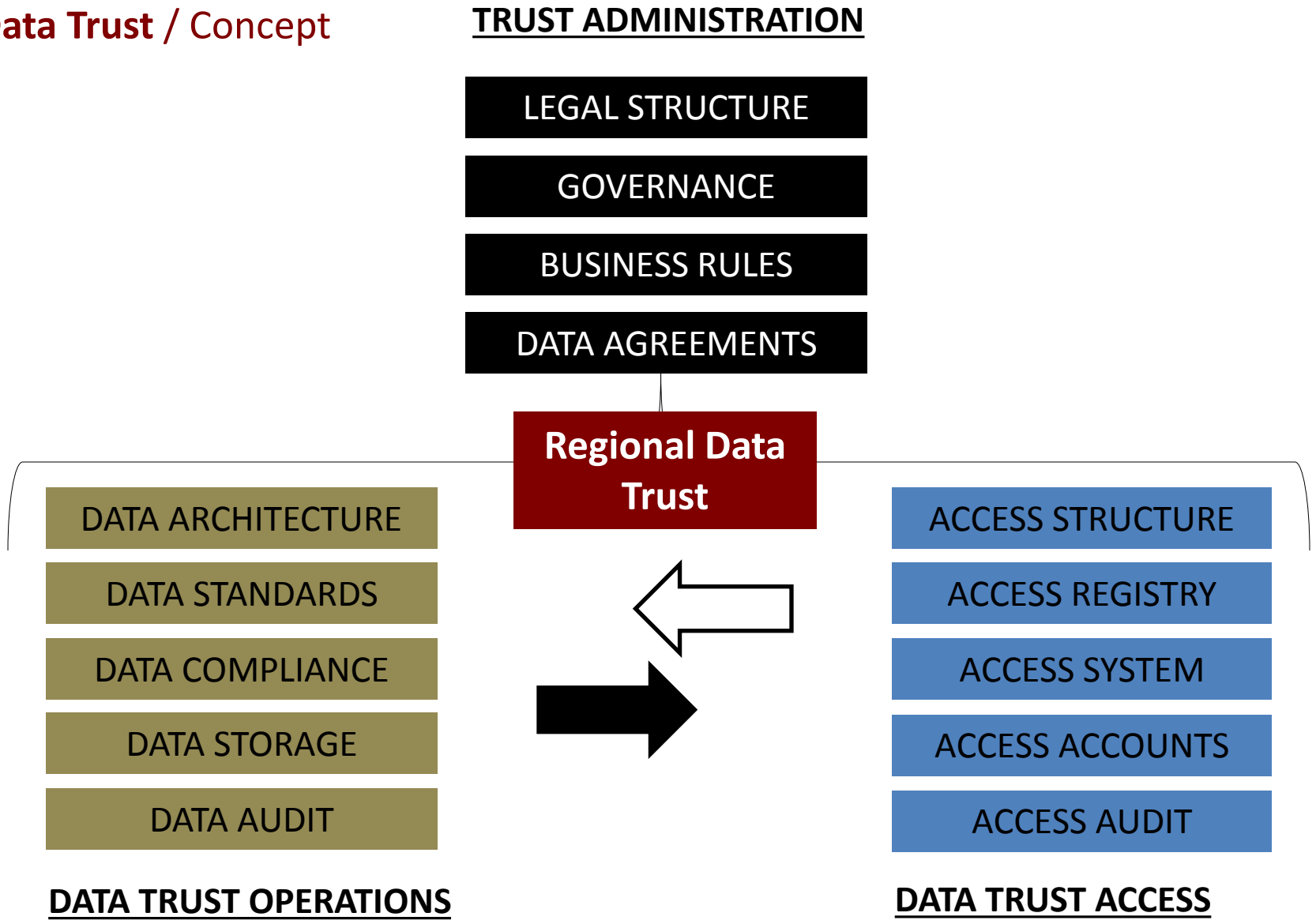
Standards

Research

Regional Data Trust



Data Trust / Concept



“SECURE DATA & IDENTITY INFRASTRUCTUE

Individual/Accounts

Secure Individual or Family Learning Account, Transcribes School and Other Learning & Certification

Infrastructure/Security

Tie into standards-based trust-protected infrastructure (cloud & local) that interacts inside & outside school

Regional Data Trust

Regions/Access

Schools & social, health, criminal agencies have data access on common file system to agencies, schools & home

Economy/Signals

Services flow seamlessly to each learner & family accessing institutional & outside points of

“CENTER FOR LEARNING ARCHITECTURE”

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“NEXT”

DEVELOPING
A CENTER FOR
EDUCATION
VISUALIZATION