



**DNA DATA
STORAGE**
ALLIANCE
A SNIA TECHNOLOGY AFFILIATE

DNA DATA STORAGE: FROM RESEARCH TO INDUSTRY

2026 Library of Congress DSA

Robertas Skliaustas

Co-chair of DNA Data Storage Alliance Board

Research



Industry

Technology focus



End-User focus

Characteristics



Requirements

Novelty



Trusted Storage



Mission:

Create an interoperable storage ecosystem based on DNA as a data storage and compute medium

What we do to achieve our mission

- Educate the market to create awareness and adoption of DNA data storage and compute
- Influence and drive R&D and funding
- Develop standards and specifications to encourage ecosystem evolution

2025 Alliance

- [DNA Data Storage Codecs](#)
- [DNA Data Storage Technology Review](#)
- [Biosecurity Regulatory Policy Position](#)
- [DNA Data Storage and Computing with DNA](#)
 - [Videos](#) and [PDFs](#)

2025 Ecosystem

- [First product offering announcement](#)
- US Library of Congress begins DNA data storage trial
- [IEEE JSAIT – Information and coding theory for DNA data storage](#)

40+ members; 50/50 academic/industry

Board

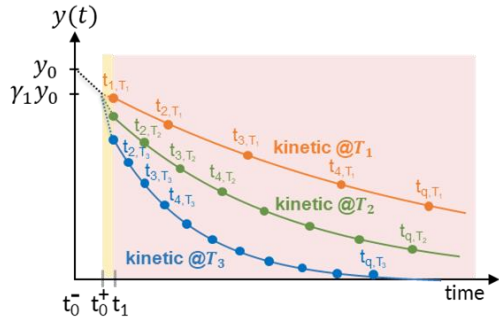


General Membership

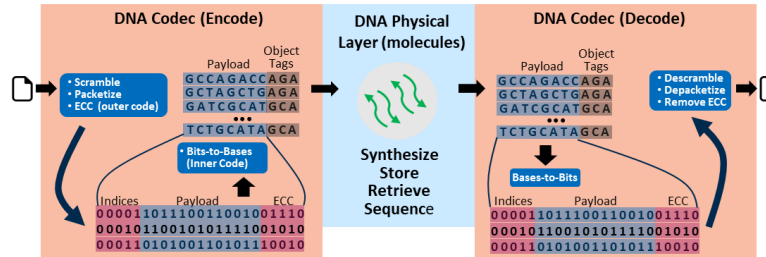


2026 – DDSA Work

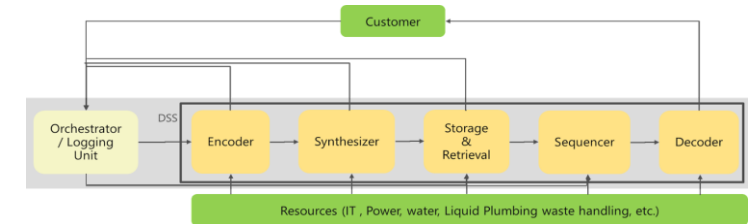
Data Retention



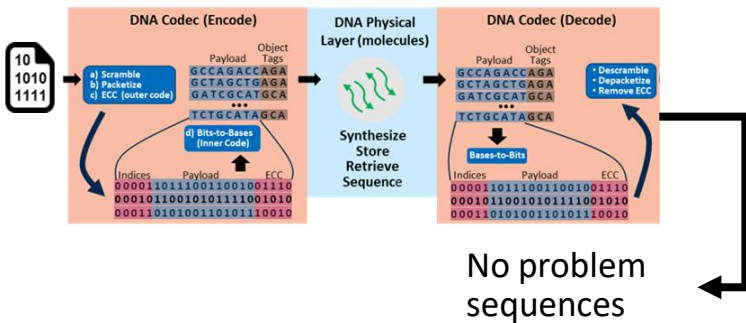
Codecs



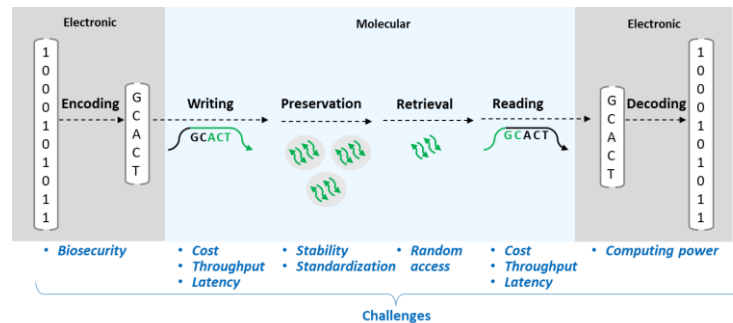
Interoperability



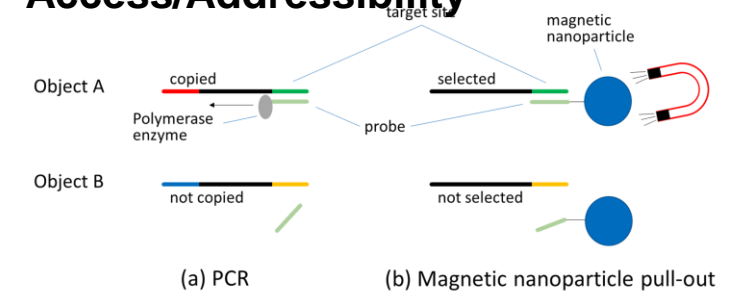
Biosecurity



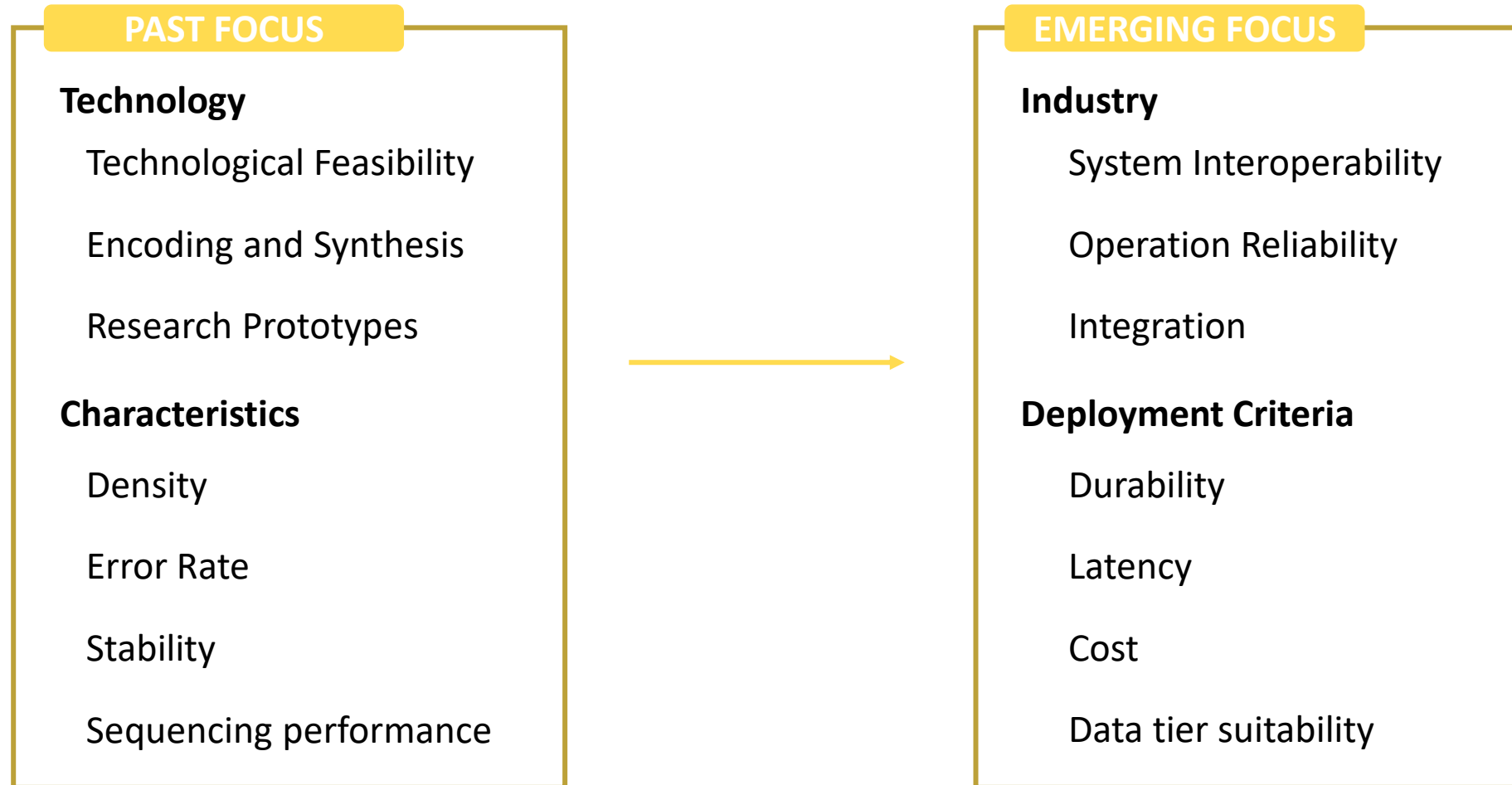
Roadmaps



Random Access/Addressability



From Technology to Industrialization



From Novelty to Trusted Storage

TRUST AND LEGITIMASY

Standards and
evaluation methods

Transparent metrics

Collaboration with
storage institutions

Institutional trust

LIBRARY
LIBRARY
OF CONGRESS

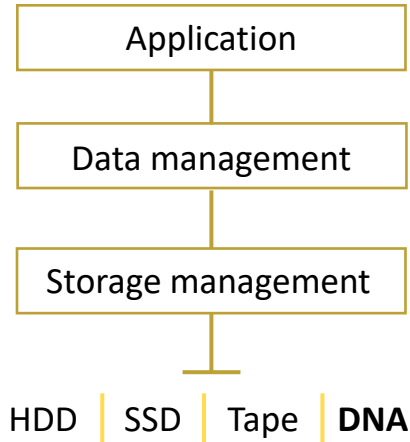


European
Innovation
Council



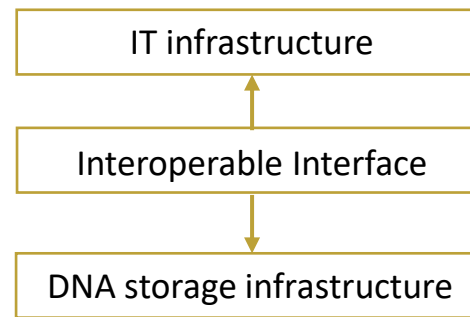
Interoperability and Integration

System Integration



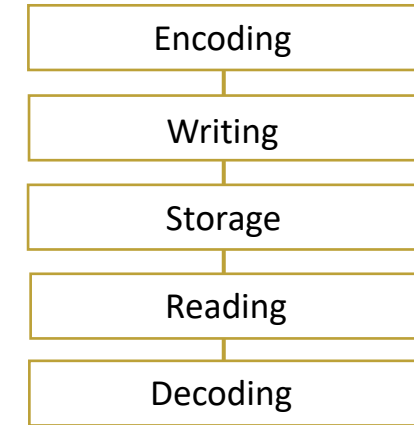
DNA as a storage tier

Interface connection



Common language between IT systems and biological systems

Vendor Interoperability



Ecosystem of providers



DNA in data storage serves purely as an information carrier and is not designed to have biological function

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THANK YOU

COME JOIN US:

X: @DnaDataStorage

LinkedIn: @dna-data-storage-alliance

Email: dds-chair@snia.org

URL: www.snia.org/groups/snia-dna-technology-affiliate