



ASSOCIATION FOR LIBRARY AND
INFORMATION SCIENCE EDUCATION

Title: The Rising Phoenix: Perspectives on Resilience for Education, Research & Practice

iFederation Webinar 2021 ALISE Annual Conference

September 24, 2021

Webinar Housekeeping Items

- **You have joined in listen-only mode**
- **You can communicate with presenters and moderator via the chat pane**
- **You can post questions for the presenter(s) by typing in the Q&A pane. Questions will be addressed during the Q&A at the end of the presentation**
- **Today's recording will be posted in the member center of the ALISE site**

Speakers

- Sandy Hirsh, ALISE Immediate Past President



- Brian Detlor, ASIS&T President



Association for Information Science and Technology

- Michael Seadle, iSchools Executive Director





iFederation Webinar

The Rising Phoenix: Perspectives on Resilience for Education, Research, & Practice

Dr. Sandra Hirsh
Past President, ALISE
Associate Dean, Academics, San Jose State University



**“There is a new normal
and we need to rise to that challenge.”**

(ALISE LIS/iSchool Leaders Interview, 2021)



The New Normal: LIS/iSchools (March 2021)

- Increased online education offerings in the future
- Accessibility and equity is more important than ever
- Increased focus on stress and mental health issues
- Faculty development is being taken in a new directions
- New engagement and pedagogy strategies
- Schools can innovate more and evolve



The New Normal: Higher Education

- Declining enrollments in higher education
- Changing employer expectations for degree requirements; increasing microcredentials and non-degree certifications
- Exploring new business models and support for lifelong learners
- Increasing expectations for flexible learning and workplace options

**“Experts project a
15% drop in
college enrollment
after 2025.”**

(Best Colleges, 2020)

ALISE's Response to Resiliency

- COVID-19 resources (ALISE website):
<https://www.alise.org/covid-19-resources>
- ALISE 2021-2025 Strategic Plan and Dashboard
- ALISE 2021 Conference Theme:
“Crafting a Resilient Future: Leadership, Education, and Inspiration.”
 - ALISE 2021 Keynote Panel: focused on Leadership, Education, and Inspiration
 - ALISE Resiliency Toolkit [and Webinar]



ALISE Webinars:

- "Yes You Can! Tips for Moving Online at Short Notice"
- "Moving from Online Teaching to Connected Learning: Strategies for Enhancing Community and Building Community In and Outside the LMS"
- "Creating Community: Constructing the Online Classroom to Inspire Rich Learning"



Crafting a Resilient Future: Resiliency Toolkit

The screenshot shows the homepage of the Resiliency Toolkit website. At the top left, the text reads "Resiliency Toolkit" with the subtitle "Leadership, Education, & Inspiration" below it. A navigation menu includes "Welcome" (highlighted in a blue box), "Overview", "Systems", "Institutional", "People's", "Additional Resources" (with a dropdown arrow), and "Our Team". The main banner features the "ALISE 2021" logo in large blue letters, with a red arrow pointing right. Below the logo, it says "CRAFTING A RESILIENT FUTURE" in red, "LEADERSHIP, EDUCATION, & INSPIRATION" in blue, and "VIRTUAL EVENT - SEPTEMBER 20-24" in red. The page is divided into three columns, each representing a level of resilience:

- LIBRARY SYSTEMS HIGHER EDUCATION SYSTEMS**
Systems Resilience
Here you will find resilience in theory, research, and practice at the systems (macro) level.
[Read More >](#)
- ORGANIZATION COMMUNITY CLASSROOM**
Institutional Resilience
Here you will find resilience in theory, research, and practice at the institutional (meso) level.
[Read More >](#)
- DEPARTMENT TEAM PERSONAL**
People's Resilience
Here you will find resilience in theory, research, and practice at the people (micro) level.
[Read More >](#)



Resiliency Toolkit: What is Resilience?

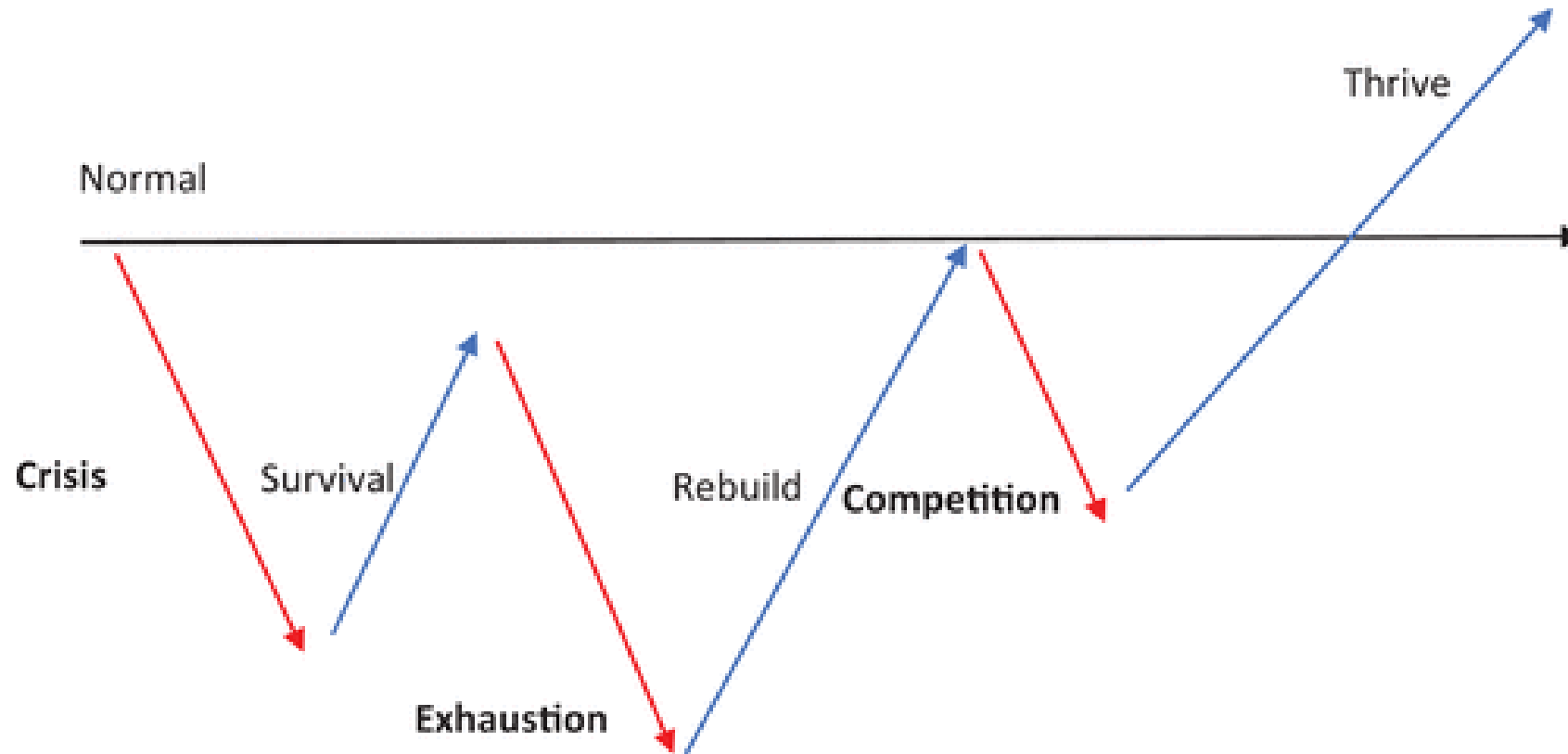


- Identifies key concepts of resilient and resiliency
- Represents a growth mindset and adaptability to change
- No definitive definition; definitions area based on context

Sample Resources:

- Center for the Future of Libraries. (2014) Resilience. *American Library Association*.
- Farkas, M. (2017). Less Is Not More. *American Libraries Magazine*.

Resiliency Toolkit: Defining Resilience



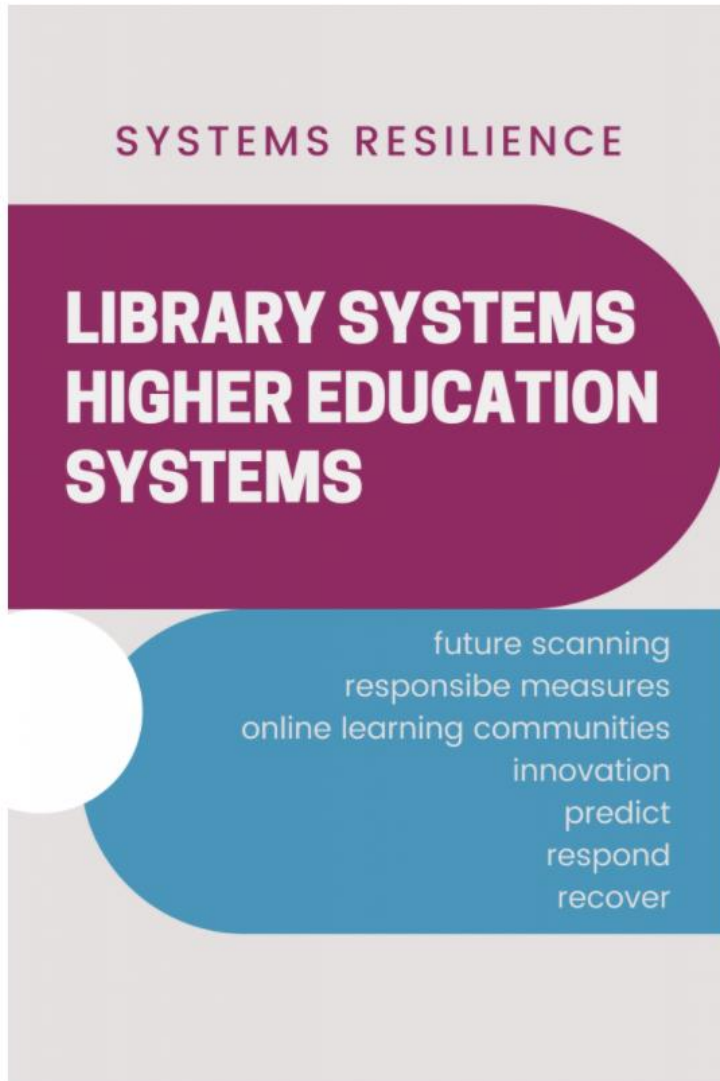
Resilience is navigating 3 dips

Source: [Tang \(2020\)](#).

“Resilience is not about the final test; it is about preparing for the test long before it is faced.”

Nandy, Lodh, Tang (2021)

Resiliency Toolkit: Systems



- Explores resilience at systemic level in the library, higher education, and corporate systems.

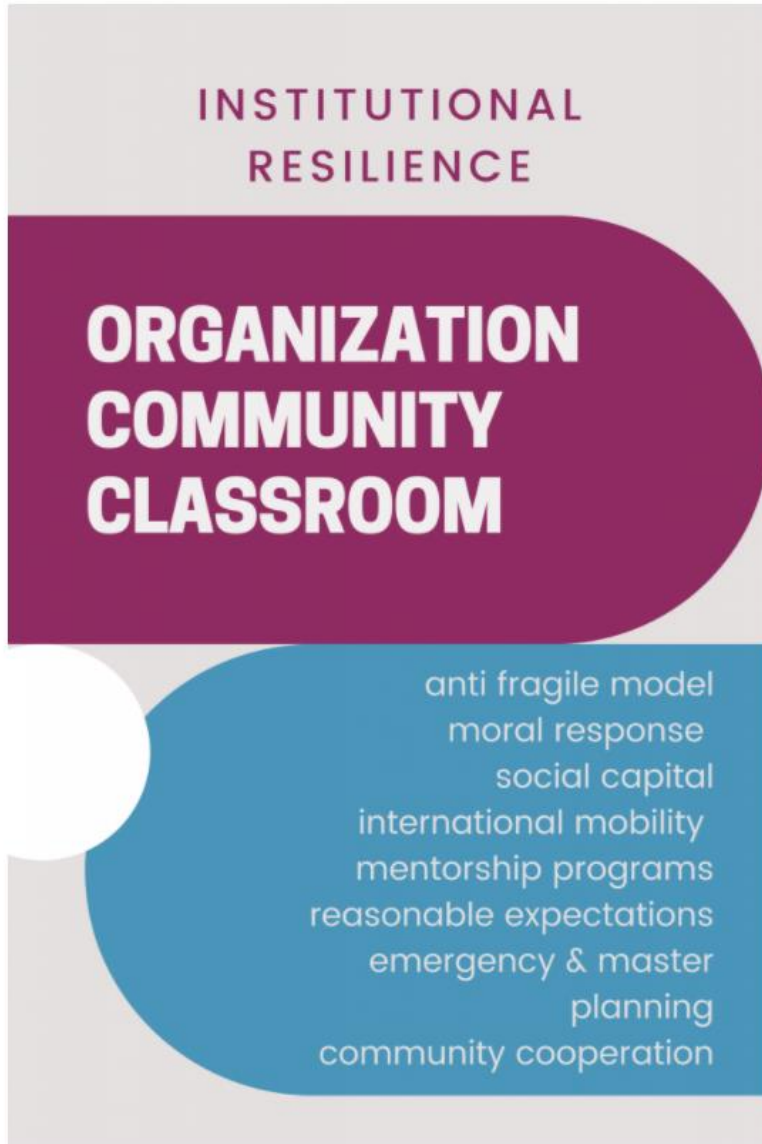
Sample Resources:

Theory: Figueroa, M. A. (2018). Futuring for future-ready librarians. *Knowledge Quest*, 46(4), 14.

Research: Ruiz, L. M. S., Moll-López, S., Moraño-Fernández, J. A., & Llobregat-Gómez, N. (2021). B-Learning and technology: Enablers for university education resilience. An experience case under COVID-19 in Spain. *Sustainability*, 13(6), 3532.

Practice: Blaj-Ward, L., Hultgren, K., Arnold, R., & Reichard, B. (2021). Narratives of innovation and resilience: Supporting student learning experiences in challenging times. BALEAP.

Resiliency Toolkit: Institutional



- Aims to understand the role resilience plays in meso-level spaces
 - Explores the challenges impacting institutional resilience
 - Offers interventions to best meet organizational needs
-

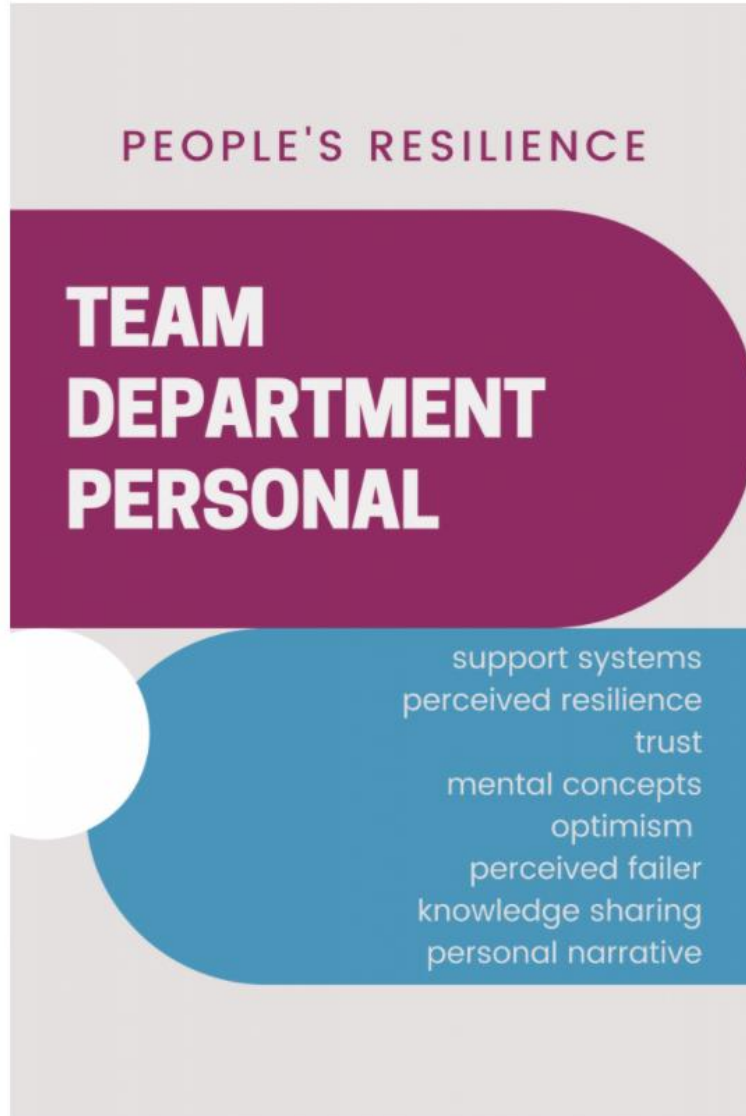
Sample Resources:

Theory: Nandy, M., Lodh, S. & Tang, A. (2021). Lessons from Covid-19 and a resilience model for higher education. *Industry & Higher Education*, 35(1), 3–9.

Research: Caruana, V. (2014). Re-thinking Global Citizenship in Higher Education: from Cosmopolitanism and International Mobility to Cosmopolitanisation, Resilience and Resilient Thinking. *Higher Education Quarterly*, 68(1), 85–104.

Practice: Storms, K., Simundza, D., Morgan, E., & Miller, M. (2109). Developing a resilience tool for higher education institutions: A must-have in campus master planning. *Journal of Green Building*, 14(1), 187–198.

Resiliency Toolkit: People's



- Focuses on individuals and small groups
- Frames resilience as a skill to be cultivated
- Provides examples of how to transform traditional roles to enhance resilience

Sample Resources:

Theory: Hilton, J. (2020). Resilient leadership. *Management in Education*, 34(1), 24–25.

Research: Zarotti, N., Povah, C., & Simpson, J. (2020). Mindfulness mediates the relationship between cognitive reappraisal and resilience in higher education students. *Personality and Individual Differences*, 156, 109795.

Practice: Rose, R. *From Stress to Resilience*. (2019, March 7). *YouTube*.

Resiliency Toolkit: Additional Resources - Blog



TOOLKIT DEVELOPER: HEATHER'S BLOG POST

🕒 [August 30, 2021](#) | ✍️ [Heather Hillas](#) |

Hi Everyone, thank you for visiting the Toolkit! I began this project wondering; "Is resilience an attainable skill or the shiny polish laid on top of immensely challenging situations people survived with or without adequate support, resources, and relief?" Over the last few months, I have had the opportunity to work alongside Leah as we

[Read More](#)



TOOLKIT DEVELOPER BLOG POST: LEAH

🕒 [August 30, 2021](#) | ✍️ [Leah Stinson](#) |

Hello everyone, My name is Leah, and I am a graduate student at the School of Information at San Jose State University. I am happy to share this website/toolkit with you all. A call to participate: I was excited by Sue Alman's call for Special Studies students on this project. I was intrigued by the

[Read More](#)

Screenshot



Resiliency Toolkit: How To Use

Audience:

- LIS/iSchool educators, students, researchers, and practitioners

Potential Uses:

- Understand resilience – what it means and how it could be applied in LIS/iSchools
- Identify resilience strategies for different levels and contexts
- Integrate resilience concepts and models into teaching, learning, and leading

Resiliency Toolkit:

<http://ischoolblogs.sjsu.edu/blogs/alise-conference/>

”The resources you find here are intended to guide discussions, further current research, and inspire.”



Thank You!



Dr. Sandy Hirsh
Associate Dean, Academics
College of Professional and Global Education
San Jose State University

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ALISE President, 2020-2021



Promoting Excellence in Library
and Information Science Education



Resiliency Toolkit

<http://ischoolblogs.sjsu.edu/blogs/aliseconference/>

Submit blog posts to:

susan.alman@sjsu.edu

**Thank you
Heather Hillas and
Leah Stinson!**

The Rising Phoenix: Perspectives on Resilience for Education, Research, & Practice

iFederation panel presentation, ALISE Virtual Annual Conference

Dr. Brian Detlor

DeGroote School of Business, McMaster University, detlorb@mcmaster.ca

September 24th, 2021

- **Dr. Brian Detlor**

- **Professor & Area Chair** (Information Systems) at the DeGroote School of Business, McMaster University
- **Visiting Professor** at the Centre for Social Informatics in the School of Computing @ Edinburgh Napier University
- President of the [Association of Information Science and Technology](#) (ASIS&T)



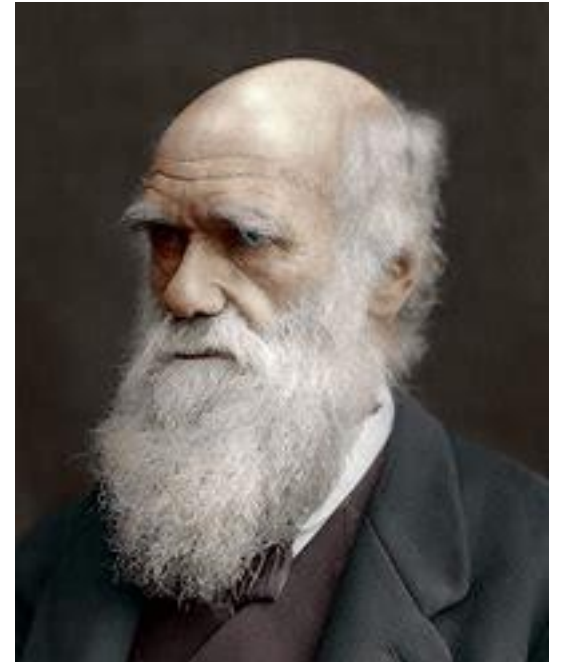
What is Resilience?

- **The power or ability to recover quickly from a setback, depression, illness, overwork or other adversity**
- **Buoyancy**
- **Elasticity**

Source: Webster Dictionary (<http://www.webster-dictionary.net/definition/resilience>)

What is Resilience?

- According to Charles Darwin
 - “It’s not the fittest, nor the most intelligent that survives. It is the most adaptable to change.”



What is Resilience from an Information Science and Technology Perspective?

- **Being able to adapt and respond to a quickly changing digital world**
 - **Many examples exist where fast-paced (revolutionary) information technology changes have altered the current landscape and playing field**



How Best to Respond?

- **Be prepared**
- **Become digitally literate**
- **Encourage others to become digitally literate**

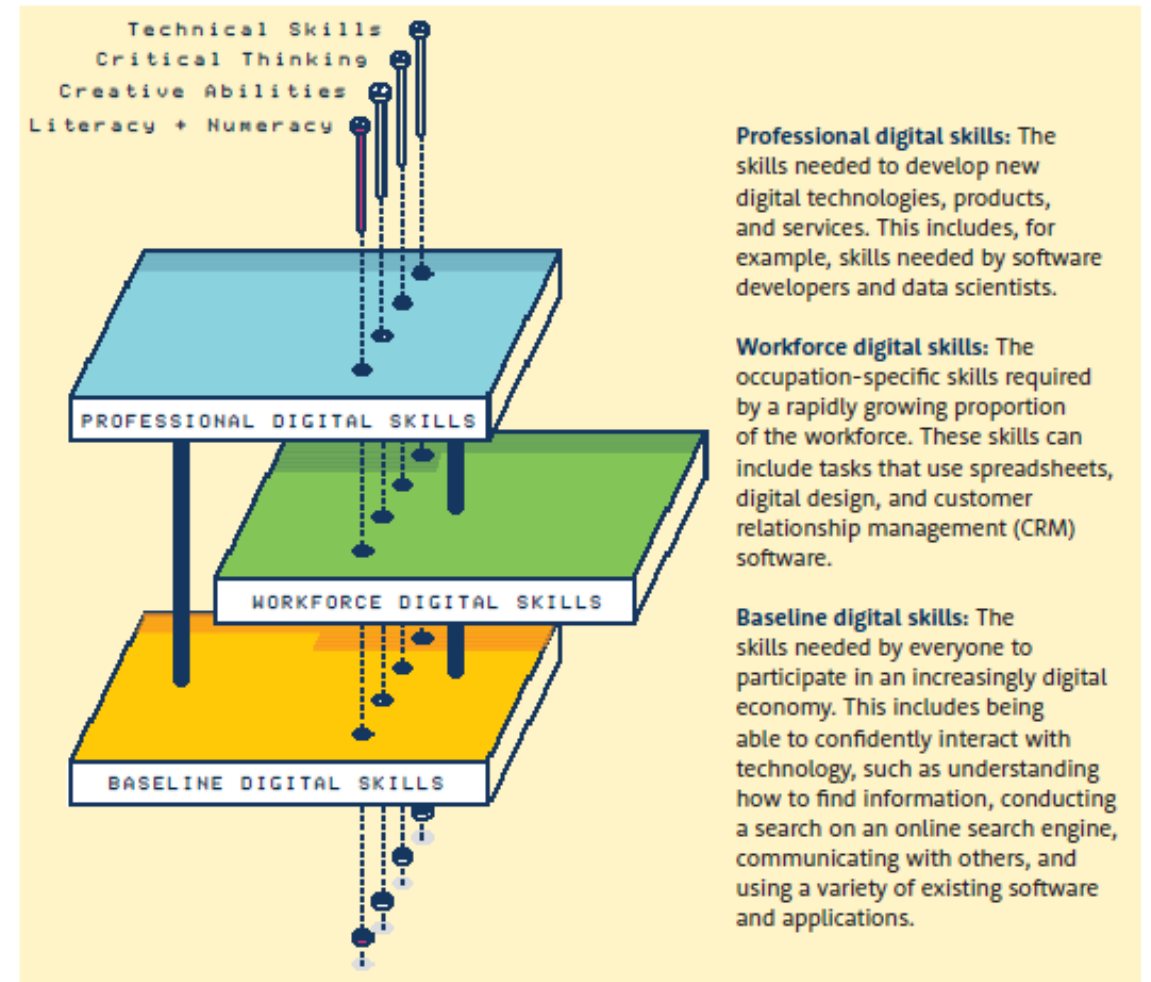
Digital Literacy

- **What is it?**

- “The set of skills, knowledge and attitudes required to access, create, use, and evaluate digital information effectively, efficiently, and ethically.” (Julien, 2018)
- “The ability of people to locate, organize, understand, evaluate and create information using digital technology.” (Bawden, 2001; Detlor, 2018; Gilster, 1997)

Digital Literacy

- **What is it?**
 - “The ability to use technological tools to solve problems, underpinned by the ability to critically understand digital content and tools.” (Brookfield Institute, 2018)



Digital Literacy

- Digital literacy comprises two sets of broad skills:
 - Skills to operate and utilize digital technologies such as computers, tablets and smart phones
 - Skills to access, create, use, and evaluate digital information
- Digital literacy also includes understanding of the information environment and ethical information practices



Digital Literacy

- Digital Literacy is important
 - As the world becomes more digital, it is essential that individuals become more digitally literate in order to fully participate and thrive in society
 - Being digitally literate leads to: (Julien, 2018)
 - More positive health outcomes
 - Better access to government services
 - Participative governance
 - Workforce development (improved job performance, employment)
 - Bridging of the digital divide



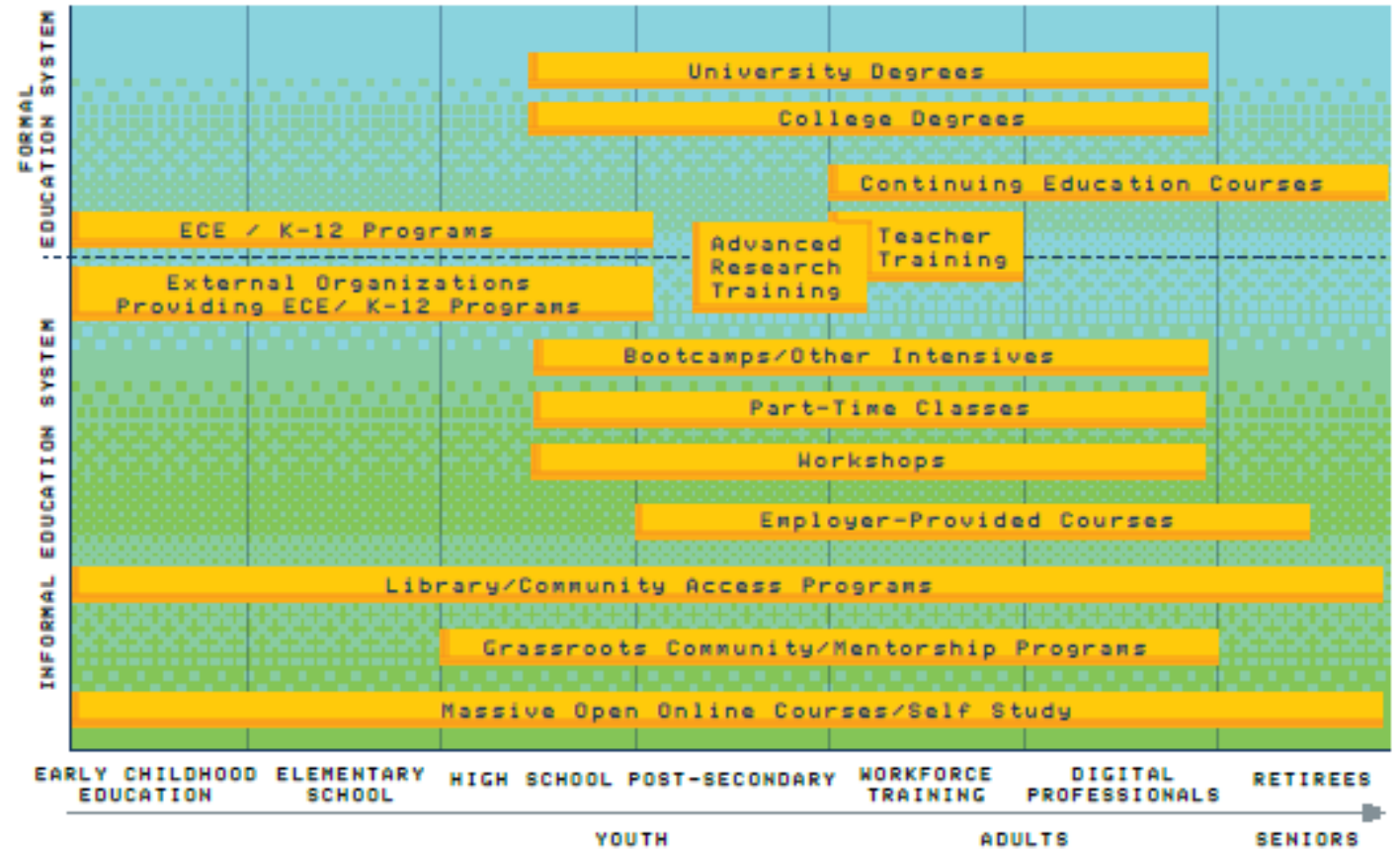
Digital Literacy Training (Education)

- A variety of training opportunities exist
- Brookfield Institute's (2018) report identifies:
 - No one prescribed method or place to develop digital literacy skills exists (i.e., “no single pathway”)
 - There is a lack of coordination among programs and jurisdictions that offer such training
 - There are gaps in the delivery of digital literacy training

Across Canada, there is wide disparity in access to formal and informal digital literacy skills training to youth, adults and seniors:

- There is no clear path how one can become digitally literate and/or maintain digital skills
- Canada does not have a digital literacy strategy in place to support digital literacy training in K-12 and post-secondary education, nor in on-the-job training/upskilling

Digital Literacy Education and Training Organization Landscape

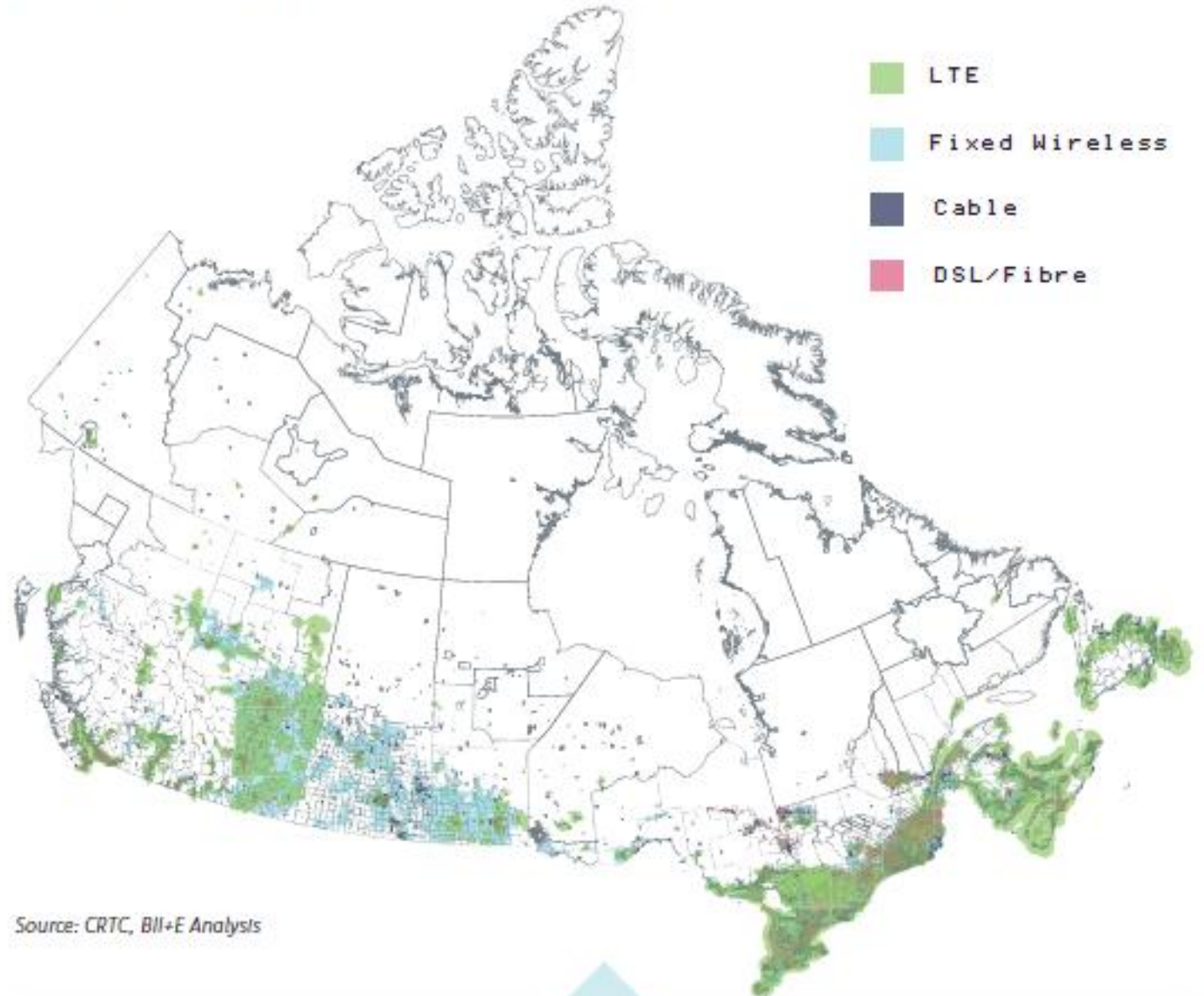


Source: Brookfield Institute's (2018) report entitled "Levelling Up: The Quest for Digital Literacy"

Across Canada, Internet access is distributed unequally:

- Rural and northern parts of the country are disadvantaged
- This leads to unequal access to DL training programs and a digital literacy skills gap between those who have Internet access and those who do not

Mapping Broadband Internet Service Coverage in Canada



Source: CRTC, BII+E Analysis

Digital Literacy Training (Education)

- Community-Led Programs
 - Offered by public libraries and social service organizations
 - Provide free (low-cost) training opportunities
 - Coding clubs; Internet Safety; Use of online government services; Access to public health information; Makerspaces
 - Serve people who may not have access to such training
 - Seniors; Youth facing employment barriers; Newcomers; Marginalized communities

The Digital Literacy Training Research Project

- Research Questions

- What factors affect the efficacy of digital literacy training led by local community organizations?”
 - What constitutes success for a digital literacy training initiative within the local community context?
 - What organizational factors (e.g., administrative factors) foster or challenge digital literacy training initiatives offered to local communities?
 - What user considerations concerning digital literacy training initiatives influence community member uptake, lead to gains in digital literacy skills development, and foster greater digital literacy appreciation among community members?
 - What design elements of a digital literacy training initiative foster or challenge digital literacy training initiatives offered to local communities?

ASIS&T's Response to Resiliency

- Developed a strong strategic plan!
 - Four goals were identified:
 - i) support, engage and grow the ASIS&T membership;
 - ii) improve ASIS&T publications;
 - iii) improve knowledge sharing opportunities;
 - iv) develop and implement co-opetition opportunities with affiliate information associations, industry partners and practitioner organizations
 - Identification of 15 objectives and 39 tactics.



ASIS&T's Response to Resiliency

- We invested in the association!
 - Brand new initiatives, like the re-establishment of ARIST, the launch of a new journal (Information Matters), the creation of a research/practice institute, and the hiring of a Marketing staff member, are being seed-funded through reserves and eventually will become self-sustaining and incorporated into the Association's annual operational budget.

asis&t



The Rising Phoenix: Perspectives on Resilience for Education, Research, & Practice

ALISE Annual Conference
September 2021

**Prof. Dr. Michael
Seadle
Humboldt-
Universität zu
Berlin**

{headtcentre}

humboldt-elsevier
advanced data & text centre

Speaker Information



Prof. Dr. Michael Seadle

- Professor at Humboldt-Universität zu Berlin
- Executive Director, iSchools, Inc.
- Director, HEADT Centre
- Recent book: "The Measurement of Information Integrity"



The iSchools and Resilience

Major themes:

- Enabling the next generation of information scientists through:
 - Regional and international doctoral seminars.
 - Targeted research grants.
- Special projects:
 - COVID policies and information.
 - Information Integrity academy for training researchers.
 - Mellon Project.
- Multi-time-zone conferences.



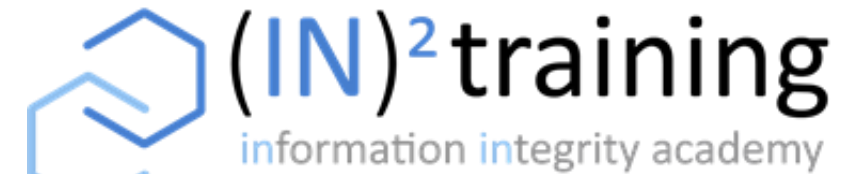
Next generation

- Regional and international doctoral seminars:
 - Primarily in Europe and Asia, but open internationally.
 - Doctoral students act as moderators.
 - Doctoral students from different regional schools.
- Targeted research grants:
 - One focus is to assist in doctoral research.
 - Another is to help students in less wealthy countries.
 - Innovative approaches to research.



Special projects

- **Mellon Project**
 - Collaborators include University of Strathclyde, University of North Carolina, Humboldt-Universität zu Berlin, and Wuhan University.
- **The Information Integrity Academy**
 - Copyright training (will be previewed this month)
 - Other topics: image manipulation and data falsification.
 - Collaborators; HEADT Centre and Wuhan University.
- **COVID Policies and resources is a new project.**
 - Collaborators include the University of Illinois, Tsukuba University in Japan, and Wuhan University in China.



Multi-time zone conferences

- iSchools conferences have taken place in multiple time zones since 2020.
- The primary language remains English, but the platform supports navigation in Chinese, Spanish, Portuguese, German and many other languages.

A blue banner for the iConference 2022. The text is white and includes the title "iConference 2022", the subtitle "Information for a Better World: Shaping the Global Future", and the dates "Online Conference | February 28 to March 4, 2022". At the bottom left are logos for The University of Texas at Austin School of Information, UCSD, and KYUSHU UNIVERSITY. At the bottom right is the iSchools logo. The background features a stylized globe with white lines and dots on a blue gradient.

Q&A

- Sandy Hirsh, ALISE Immediate Past President



- Brian Detlor, ASIS&T President



Association for Information Science and Technology

- Michael Seadle, iSchools Executive Director



Thank you!

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