



CITIZENS OF THE FUTURE

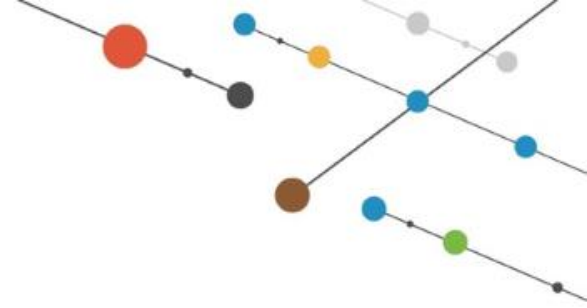
Innovations to Leapfrog
Global Education

Can We Leapfrog?

The Potential of Education Innovations to
Rapidly Accelerate Progress

Rebecca Winthrop

@rebeccawinthrop



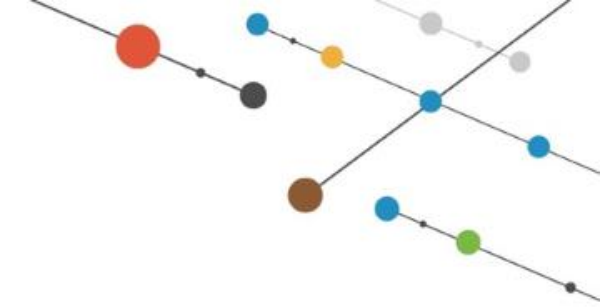
LEAPFROGGING INEQUALITY

Remaking Education to
Help Young People Thrive

Rebecca Winthrop

with

Adam Barton and Eileen McGivney



- 1. Resistant to change | Resistente al cambio**
- 2. Cutting-edge | De vanguardia**
- 3. Innovative | Innovador**
- 4. Political | Político**

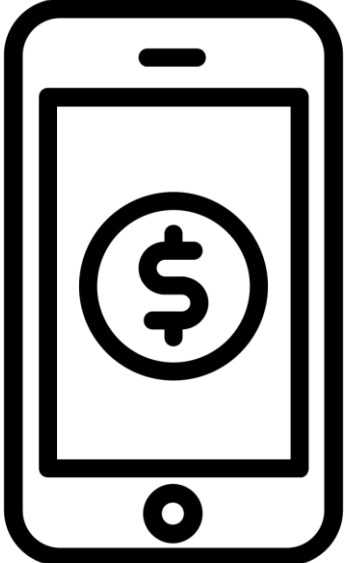


What Can Education Learn From Other Sectors?

Information
Telecommunications
Banking



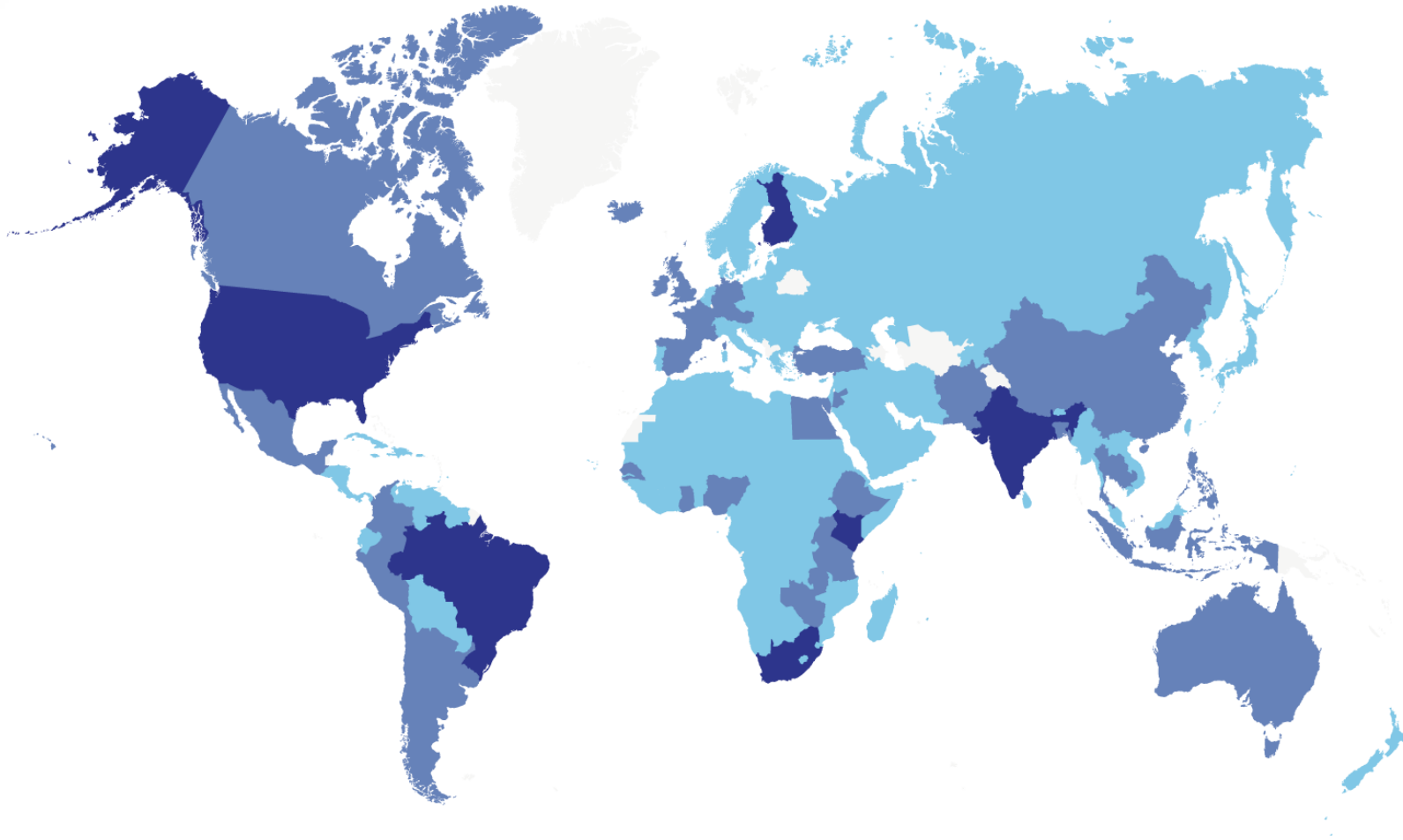
LEAPFROG





What can education innovations tell us about leapfrogging?

Innovation Taking Root across the World



Global Catalog:

~3,000 innovations
166 countries



What are innovations doing?

LEMA
Global



What are innovations doing?



NAVE
Brazil

What are innovations doing?

Go for Gold
South Africa
Recognizing Learning

George Magaraia/IG Último Segundo

Go for Gold

E. Powell/Camfed U

What are innovations doing?



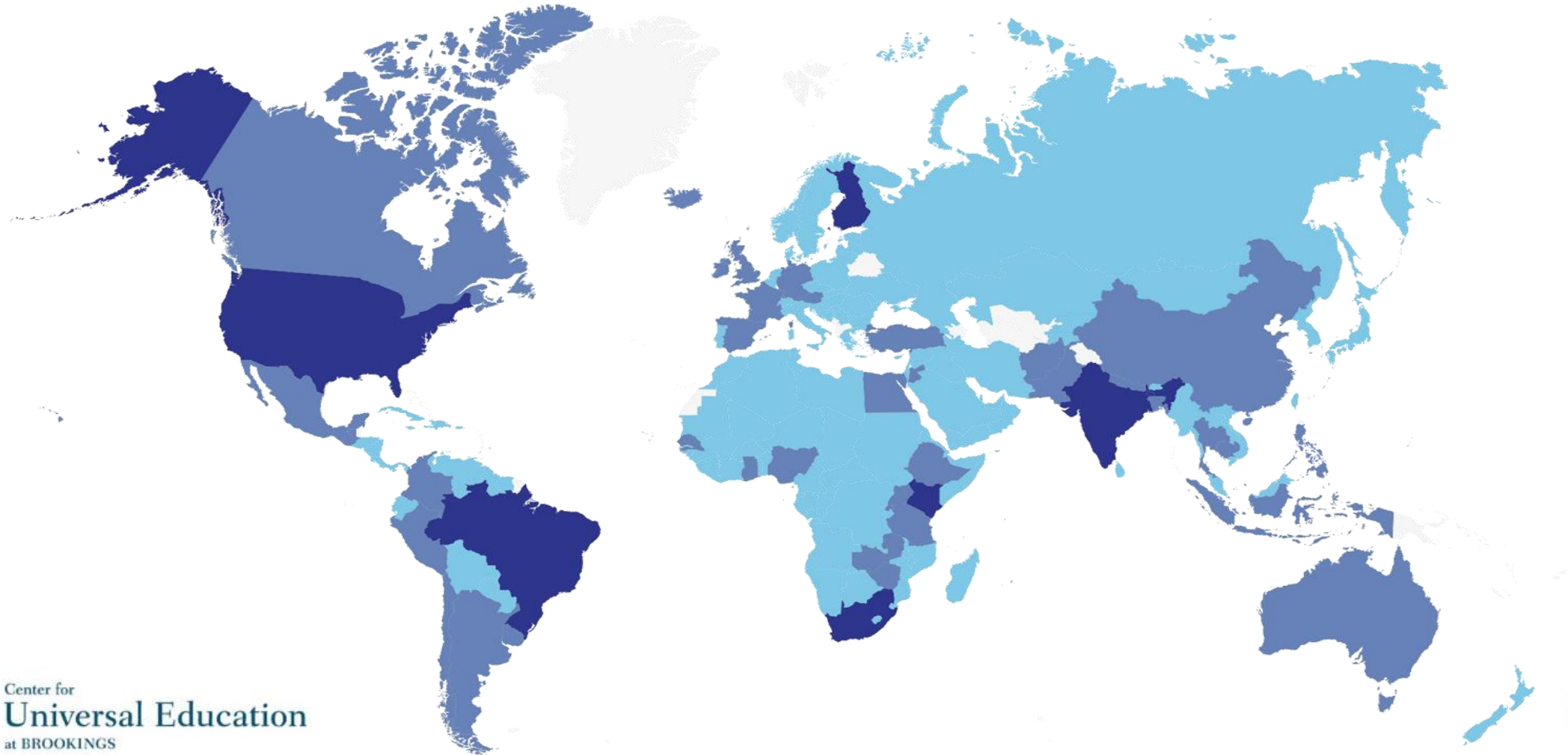
Media Lab
Amazonas State, Brazil

What are innovations doing?



Educurious
U.S.A.

Global Education Innovations Community





Leapfrogging to where?

The Twin Problems in Global Education

Skills Inequality



Will not have basic secondary skills

Will have basic secondary skills

Skills Uncertainty



50-70%
of worker tasks lost to automation

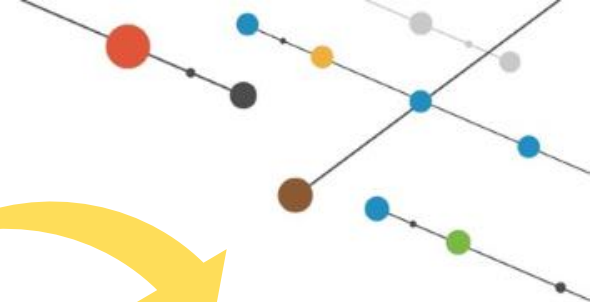
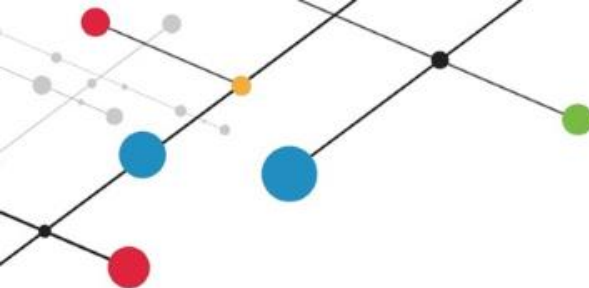


Leapfrog to: Breadth of Skills



How Do We Leapfrog?

Transform **What** and **How**
Children Learn



Traditional Pathway for Education Progress





The Leapfrog Pathway: Access, Quality, Relevance at the Same Time

Core Elements



**All children have
breadth of skills
to thrive in a
changing world**

Support Elements

The Leapfrog Pathway

CORE ELEMENTS

Teaching and Learning: Increasingly Student-centered

TEACHING

Playful + Interactive + Lecture-based

Interactive + Lecture-based

Lecture-based

LEARNING

Evaluate and Create + Apply and Analyze
+ Remember and Understand

Apply and Analyze + Remember and
Understand

Remember and Understand

Recognition of Learning: Increasingly Individualized

PROGRESSION

Individual-based + Group-based +
Predetermined

Group-based + Predetermined

Predetermined

VERIFICATION

Industry-led +
Hybrid-led + Education-led

Hybrid-led + Education-led

Education-led

SUPPORT ELEMENTS

People and Places: Increasingly Diverse

PEOPLE

Everyone + Teachers team with others +
Licensed teachers

Teachers team with others + Licensed
teachers

Licensed teachers

PLACES

In a diversity of contexts + Connected to
outside school + In-school

Connected to outside school
+ In-school

In-school

Technology and Data: Increasingly Results Oriented

TECHNOLOGY

Modification and redefinition +
Augmentation + Substitution

Augmentation + Substitution

Substitution

DATA

Data for transforming learning
experiences + Data for program
improvement + Data for compliance

Data for program improvement + Data
for compliance

Data for compliance



Teaching and Learning

Teaching & Learning



Increasingly student-centered

69%

**Playful
Learning**

9%

**Seek to Improve Teachers'
Skills with Playful Learning**



Recognition of Learning

Recognition



Increasingly individualized

15%

**Individualized
Progression**

2%

**External
Verification**



People and Places

People & Places



Increasingly diverse

37%

Unburden Teachers



Technology and Data

Tech & Data



Increasingly results-oriented

20%

Modify/Redefine



Leapfrog Potential?

1. Optimistic for Potential
2. Transforming Teaching and Learning
3. Enabling Environment



CITIZENS OF THE FUTURE

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Thank you!