



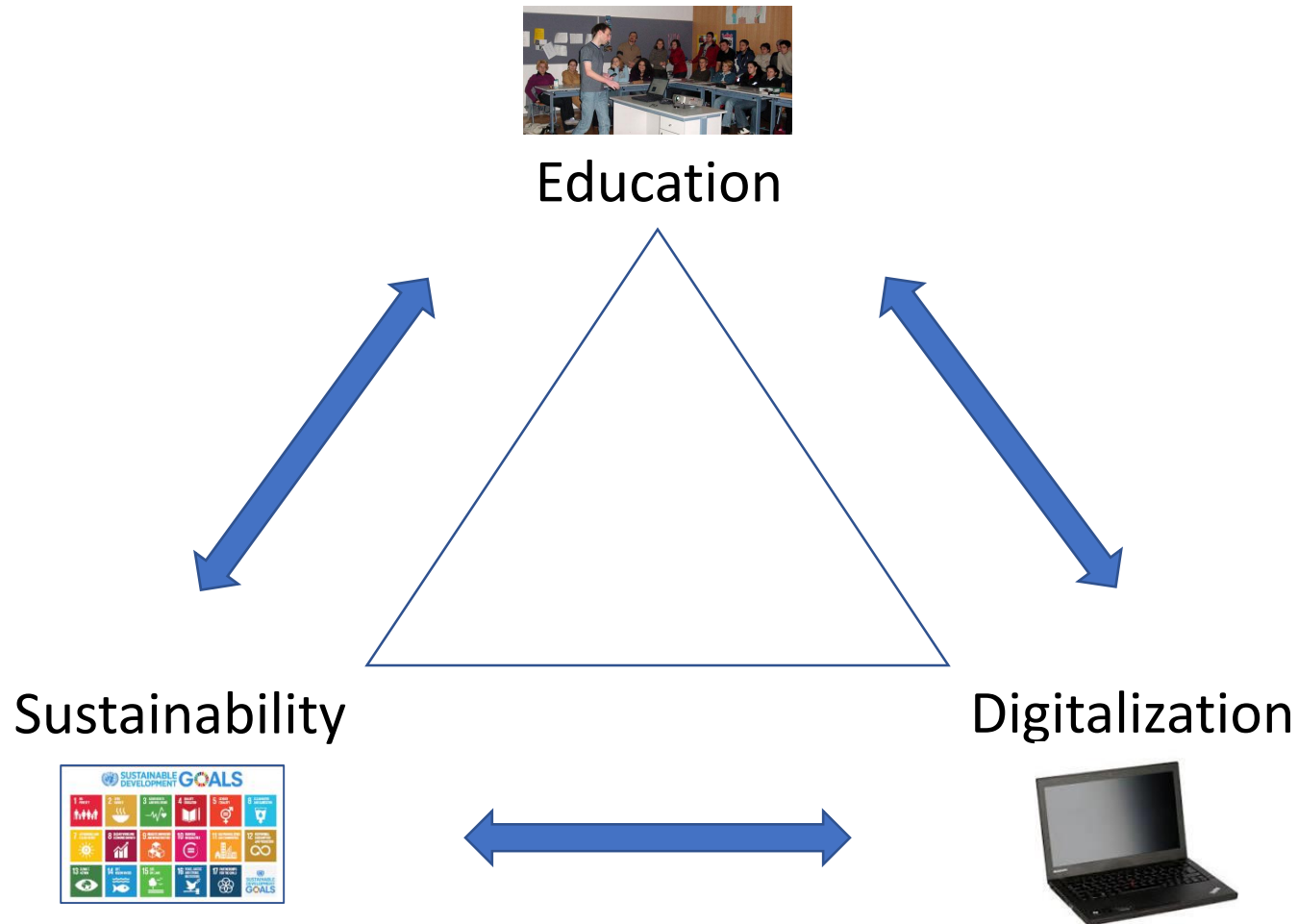
# Sustainability in Education

Christian Kraler

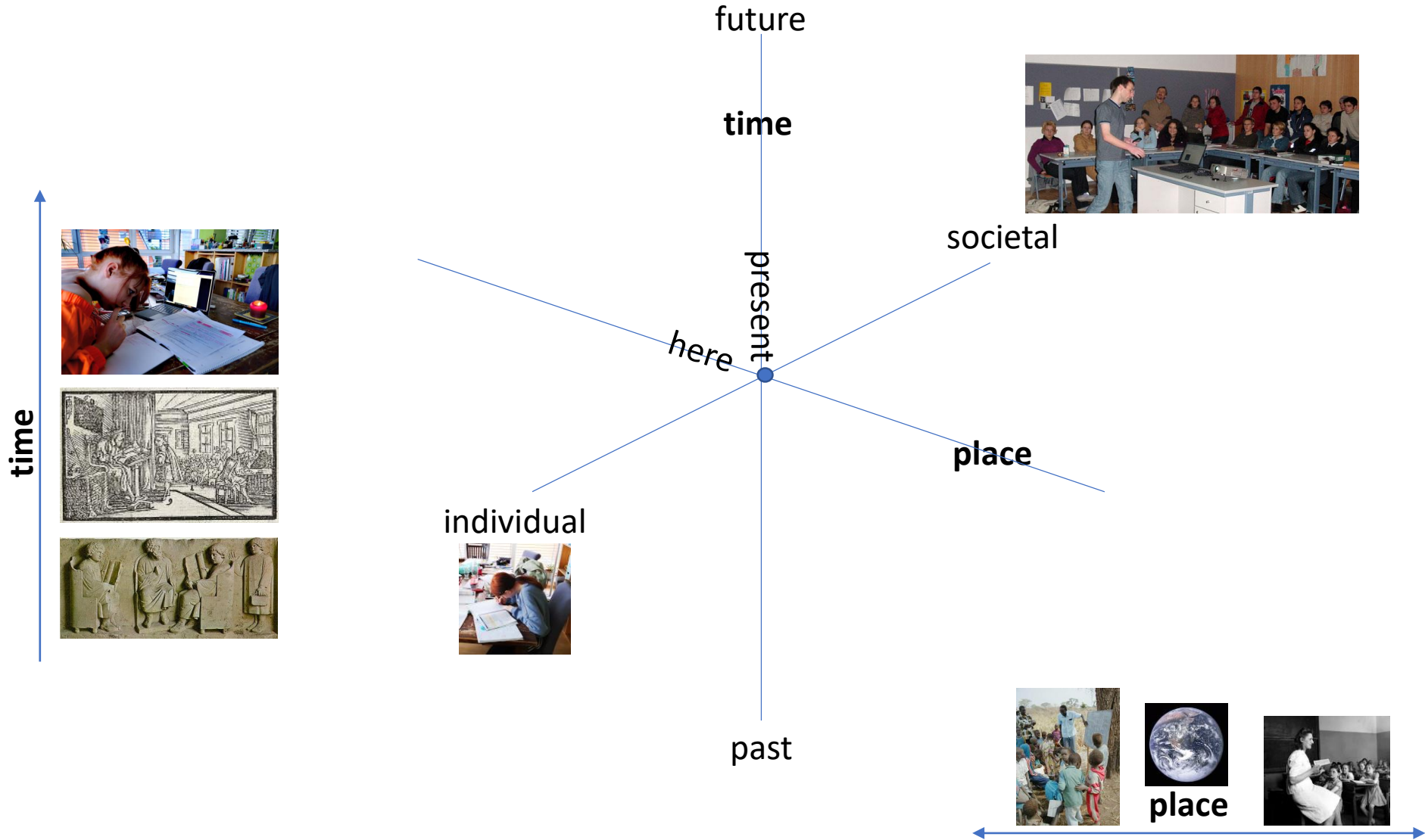
Department of Teacher Education and School Research

University of Innsbruck

# Setting the scene ...

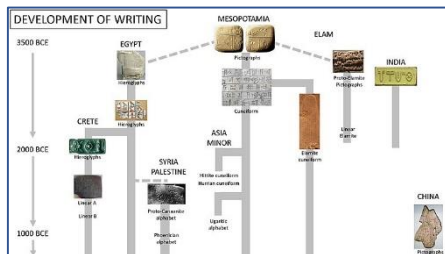


# Education

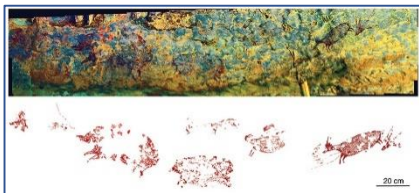


# Digitalization

since 3500 b.c. cuneiform



42.000 b.c. Sulawesi



1989-92 WWW



letterpress  
Eastern Asia: 6.-12.Jh



2021

spoken  
word

painted  
word

written  
word (manuscript)  
individual item

printed  
word  
mass product

.....physical.....

\_\_ virtual \_\_  
space-time  
invariant

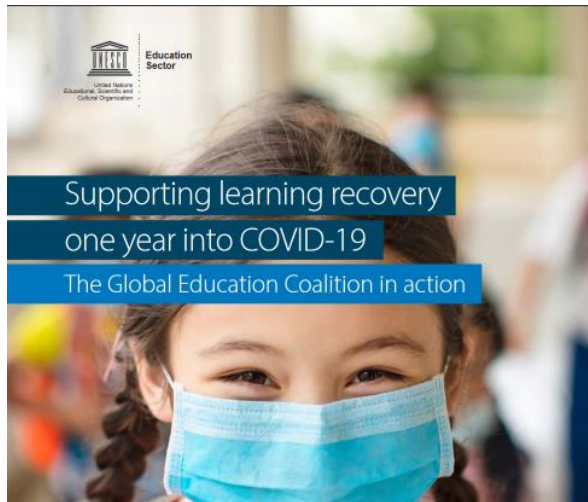
solid, multiple

volatile

solid, unique



- (formal) education had to become digital



## Curriculum, online and distance learning including television or radio

### GEC actions in this area included:

- 1 Design and preparation of alternative education delivery systems, including mobilizing resources and support options from global Coalition partners and accelerating the deployment of gender-responsive distance learning approaches and girls' digital skills development to narrow the gender digital skills divide.
- 2 Gap analysis and assessment of curriculum and available digital resources.
- 3 Support for teaching and learning platform development.
- 4 Digitization of curriculum and educational resources, including production of additional education resources, TV and radio programmes, and textbooks.
- 5 Organization of assessment and high-stakes exams.
- 6 Coordinated and targeted advocacy to support continuity of learning during COVID-19 and return to school, in particular, in countries with the greatest gender disparities in education.

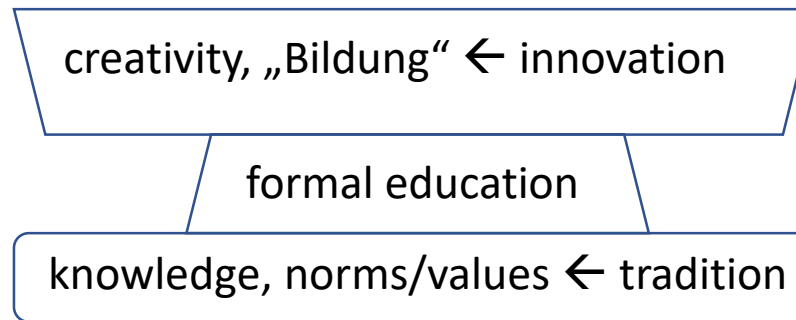
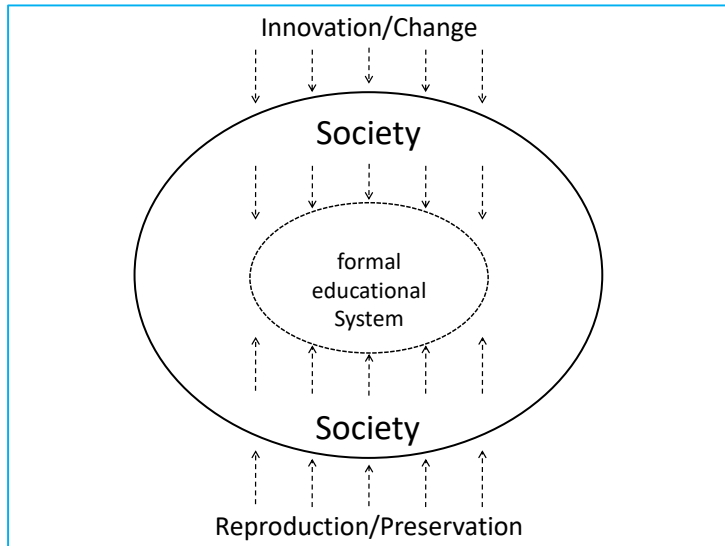
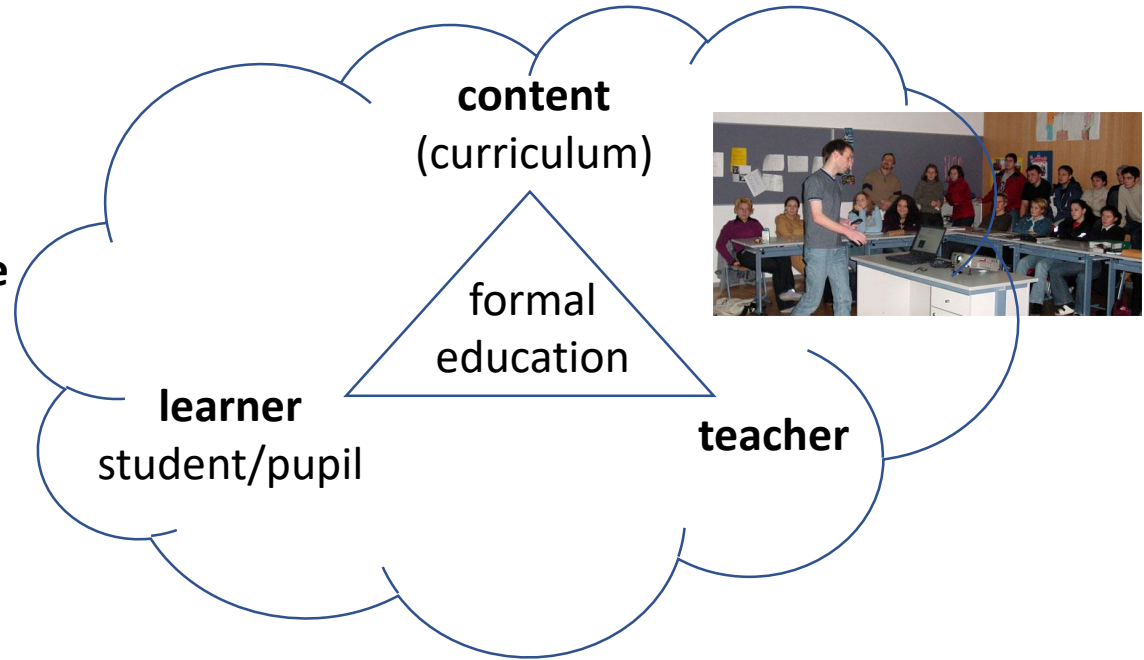
## Information in cyberspace

- invariance of time and place
- ubiquitously (virtual) availability of information
- digitalization of learning vs digital information

# Education

formal Education

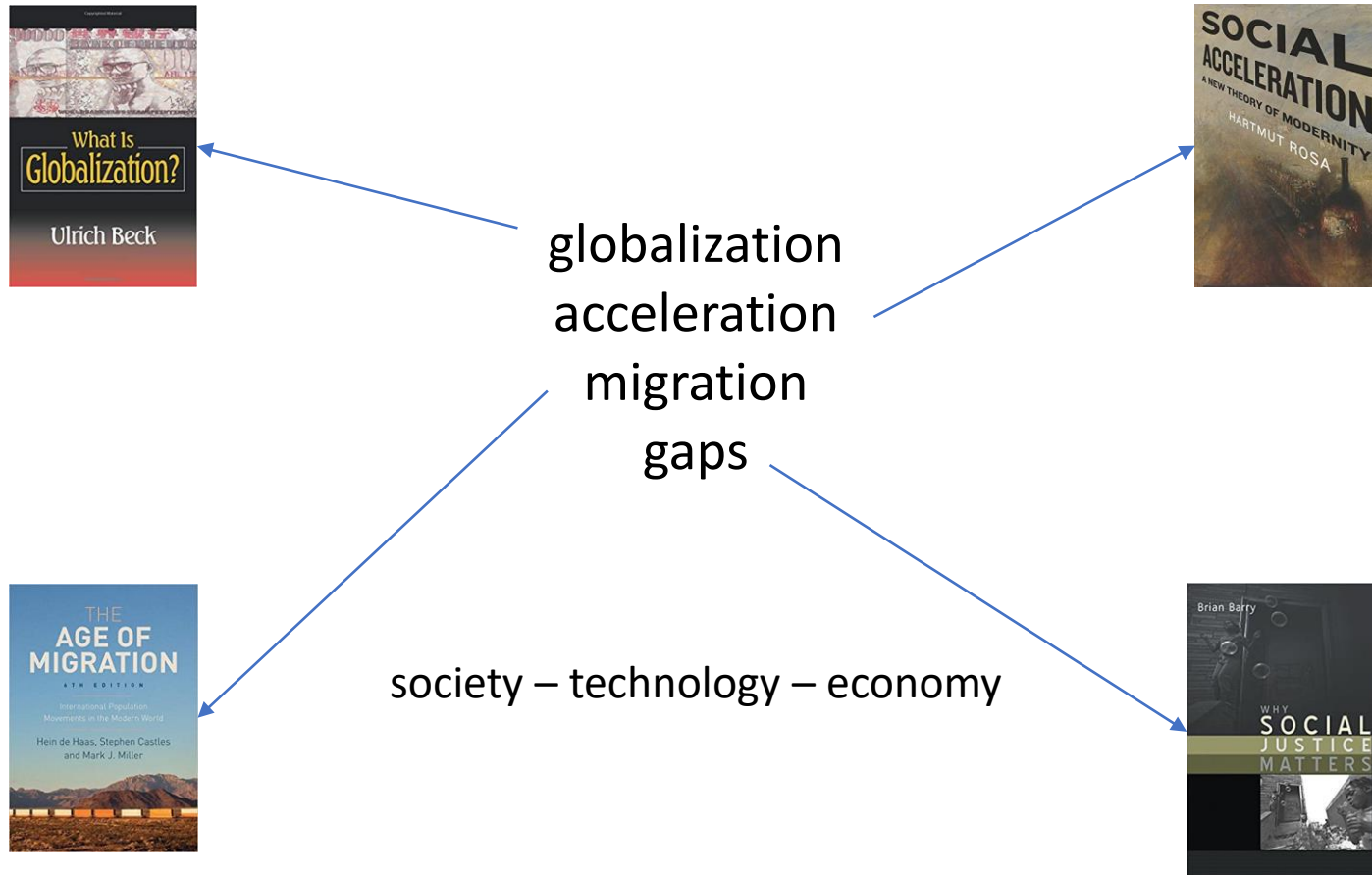
→ **didactic triangle**



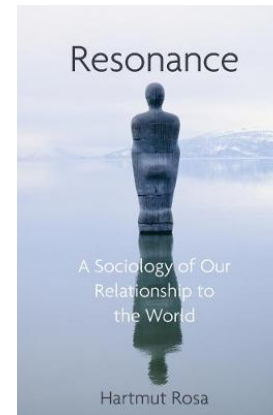
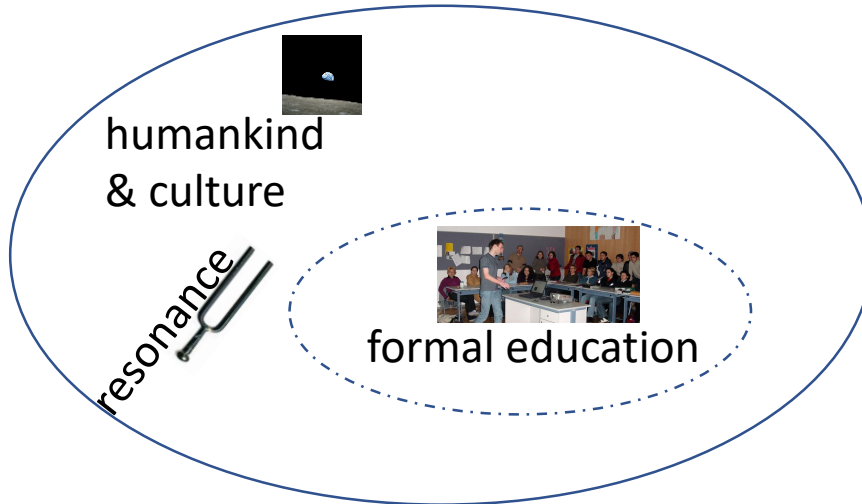
*transformation*

*stability*

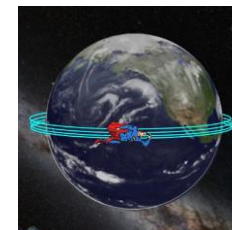
# Global developments & education



- formal education wants to be sustainable by definition



- formal education resonates with societal developments





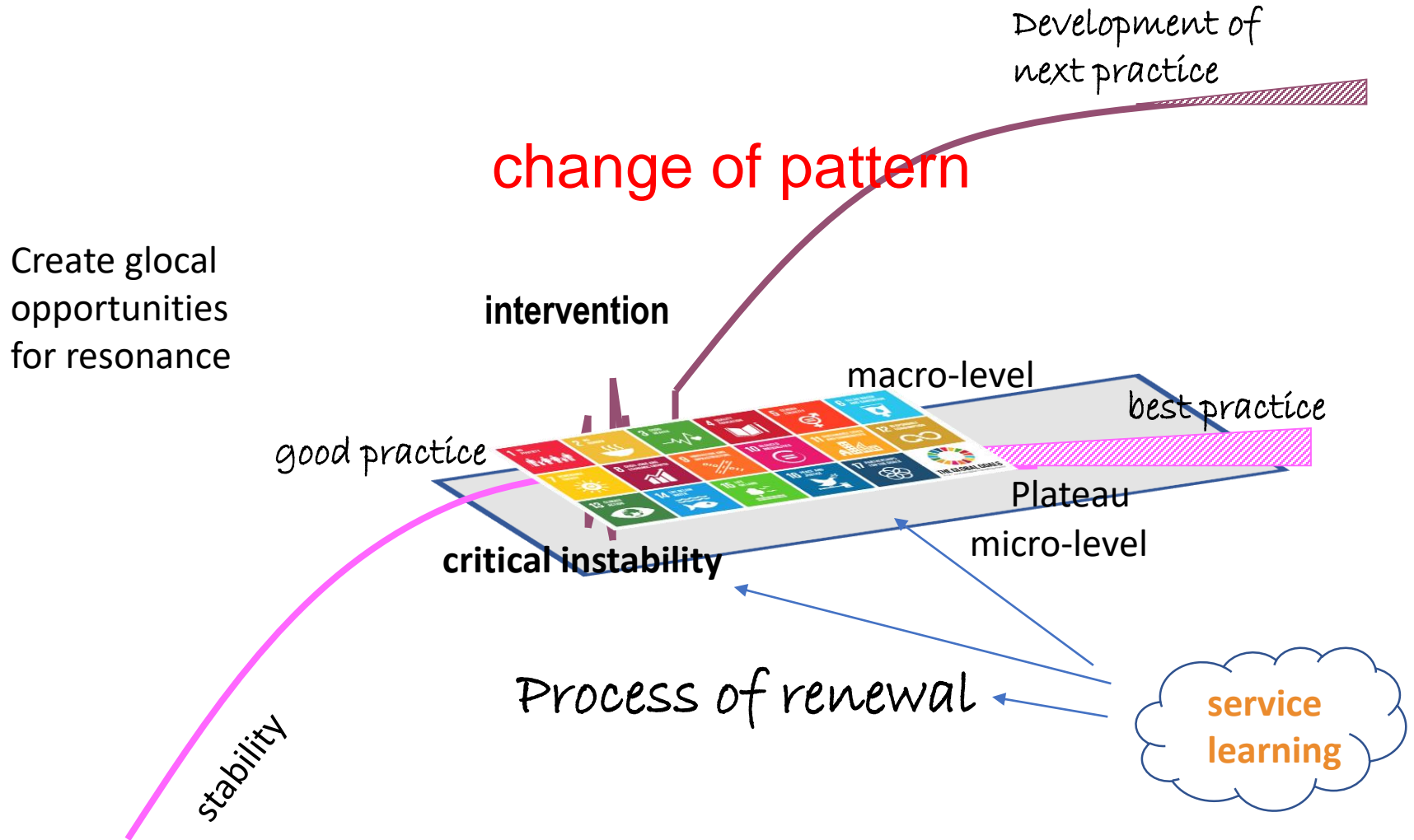
# Education

- paradigmatic shift from teaching to learning ← *personalization*
- input driven -> outcome oriented strategies ← *sustainability*
- data based approaches (e.g. PISA) ← *evidence*

- high(er) degree of connectedness
- glocal perspectives
- self similar strategies



# A shift from best practice to next practice

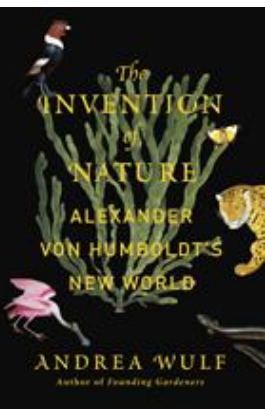




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