



Sustainability

Cultures do not change by mandate; they change by the specific displacement [hybridization or fusion?] of existing norms, structures and processes by others; the process of cultural change depends fundamentally on modeling the new values and behavior that you expect to displace the existing ones (Elmore, 2004)



Literature on Leadership models

- · Varied researched approaches, each preceded by different 'adjectives':
 - Change leadership (e.g. Wagner et al, 2006),
 - Connective leadership (e.g. Lipman-Blumen, 1984; Walker, 2011)
 - Constructivist leadership (e.g. Lamber et al, 1995)
 - Curriculum leadership (e.g. Glatthorn & Whitehead, 1987)
 - Distributed leadership (e.g. Harris & Spillane, 2008)
 - Ecological leadership (e.g. Brymer et al, 2010; Law et al, 2011; Toh et al, 2014)
 - Educational leadership (e.g. Leithwood & Jantzi, 1999b; Dimmock & Walker, 2005)
 - Instructional leadership (e.g. Heck & Hallinger, 1999; Hallinger, 2000)
 - Sustainable leadership (e.g. Hargreaves & Fink, 2003)
 - System leadership (e.g. Caldwell, 2011)
 - Teacher leadership (e.g. York-Barr & Duke, 2004)
 - Transformational leadership (e.g. Bass, 1997; Howell & Avolio, 1993; Day & Sammons, 2013)
- Our research indicates: no single model of leadership satisfactorily captures school and teacher leader enactments, rather leadership trajectories are evolutionary in nature within the context-of-change

TRANSFORMING TEACHING



Literature on East Asian **Cultures**

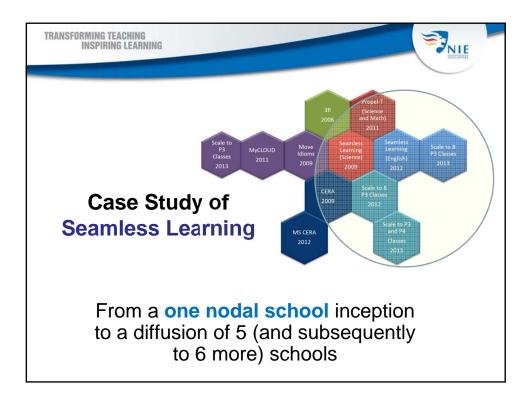
- Hierarchy and Collectivism seem paradoxical from a Western centric lens (e.g., Rowleya & Ulrich, 2012)
 - Respect for elders (hierarchical)
 - Collective good (Dimmock & Walker, 2002)
 - Acceptance and expectation of unequal power distribution (Hofstede, 1997)
 - High(er) power distance
- East Asian leaders orientate towards harmony, collectivism, social hierarchy and relationship-based trust (Craven and Hallinger, 2012)
 - ... the social legacies of Confucianism can turn citizens toward communitarian democracy under which individual members collaborate instead of competing against each other (Sing, 2013, p. 563)

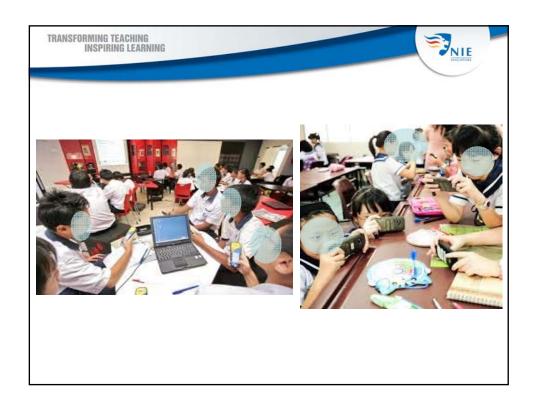


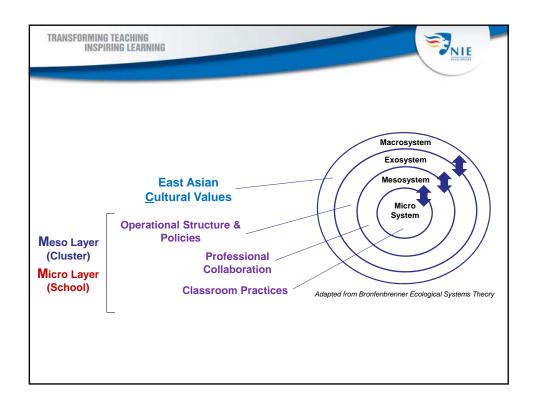


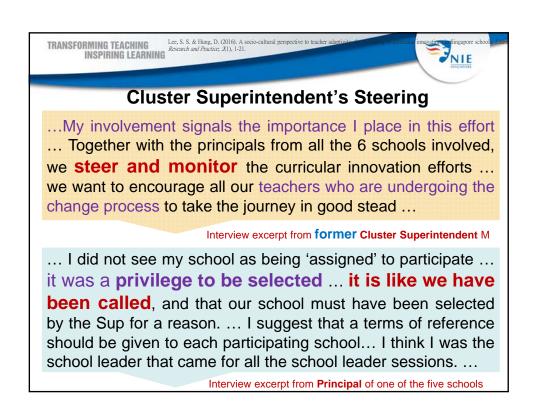
Methodology

- Moving away from 'traits-based' approaches and behavioral models paradigm, leadership has increasingly been conceptualized as a complex and adaptive interactional process, with varied and multi-leveled demands (DeRue, 2011; Hallinger, 2011; Walker, 2012)
- Recognizing the contextual and complex nature of leadership (Alvesson, 1996; Bryman, Stephens, & Campo, 1996; Conger, 1998), we used qualitative methods to study the contextually rich and socially embedded leadership phenomena (Bass, 1998; Conger, 1998; Parry, 1998; Yukl, 1994; Yukl, 2002; Parry, 2004):
 - Qualitative interviewing (semi-structured, in-depth, and biographical interviewing)
 - Document analysis (e.g. school's mission, vision statements; school website; school innovation project proposals)
 - Case study approach (Yin, 2002) was used in conjunction with one innovation (Seamless Learning) as reported for this presentation
 - A dialogical meaning-making and reflective process with school leaders, key personnel and teacher leaders











Adaptive Expertise in Singapore's indigenous context

It makes teachers understand that what (the new learning designs) they are doing is not just experimenting... Teachers need to understand that (it is) **experimenting with boundaries** ... Teachers need to change the ways they teach and yet meet curriculum objectives ...

Interview excerpt from *former* Principal of the nodal school

Comparing to other schools, School X has a core team of teachers [at the department level]. ... School X uses stories and teacher questions to engage students. We usually start with experiments to engage students. ... We are not just expecting teachers to carry out the lessons, they also need to know how to prepare and review... enhance the lessons by better considering needs of their students, and engage the students. School X did very well in this area....

Interview excerpt from mentor Teacher of the nodal school



Important tenets for sustainability

Mindset/epistemic change:

...when we first started, it could have been easy for us to just deliver the 5 schools with our package. "Like I will throw this to you, this is my Science package, and all of you can do the same thing" but we didn't choose to do this right from the start...the rationale was to teach them [teachers] how to get their hands dirty and how to redesign the whole package ... how has our teachers' mind-sets and their skills and classroom changed.

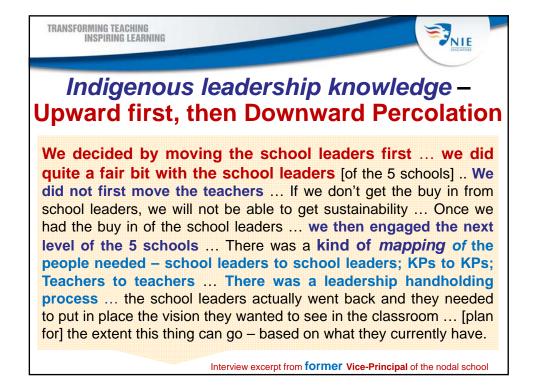
Interview excerpt from former Vice-Principal of the nodal school

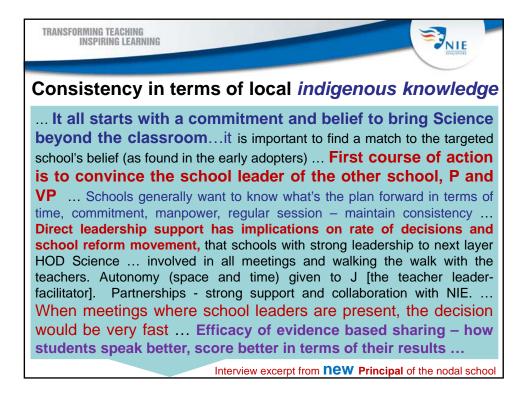
Evidence of student gains matters:

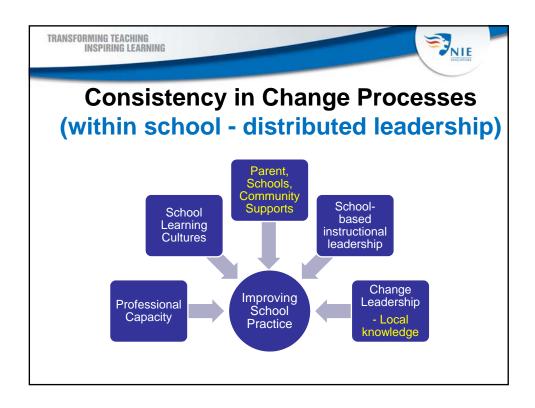
.... ...Before I got myself into this project, I was also very half-hearted ... I was not totally convinced **but results showed that they [students] improved** ... the pupils' responded not only in terms of examination; also in terms of vocal. **They were able to express themselves...**

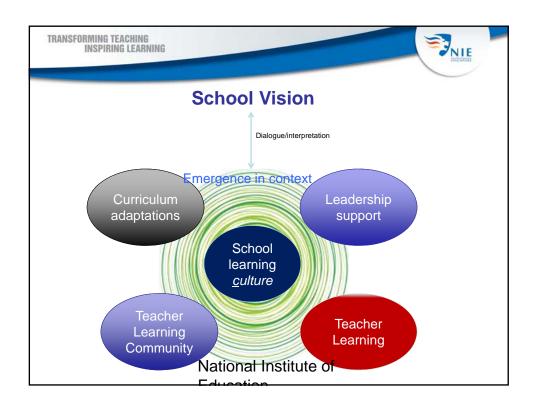
Interview excerpt from **Teacher J** from one of the five schools

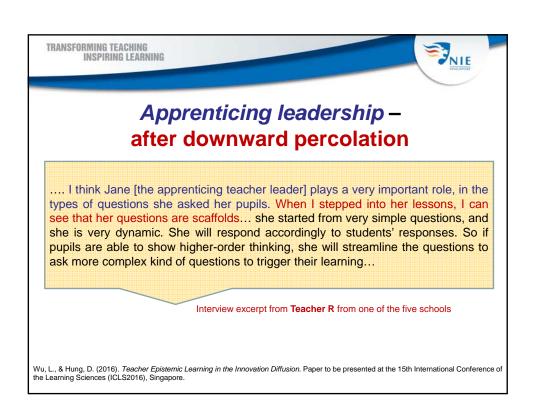














A more experienced teacher ("mentor") and a less experienced teacher ("apprentice") will take turns in co-teaching a class. An apprentice teacher may not feel comfortable to say "I do not know" to students in class. As a mentor, I will demonstrate how is done. I will teach the class and the [apprentice] teacher will be shadowed and observe how it goes. And in next lesson, she will teach and I will follow up to give feedback. And as we are attached in the same class, we will go through the whole year curriculum. It's like a "just in-time" training. Slowly, the [apprentice] teacher got the gist of how the lesson can be delivered in a self-directed way.

Interview Excerpt from Teacher Leader from nodal school exhibiting apprenticing leadership

Every school has its own pedagogical niche. ... there is a transference of expertise ... less about resources but more about PD ... less about skills of seamless learning but more about the mindset of our teachers. ... It is not just application of old knowledge. It is a certain thinking approach here. If teachers have this ... it will scale to other things. They will share it with other people [when they have the mindset]

Interview Excerpt from Principal of one of the 5 schools



Downward percolation (in a distributed leadership sense) is observed to be significantly higher compared to upward percolation

Ecological leadership exhibits the characteristics of forging alignments and convergences in the different ecological layers, mitigating systemic paradoxes as well as local and cross-school tensions ... (Toh et al, 2015)

