

# Emerging Technologies



#fclsumac

Arjana Blazic @abfromz  
Bart Verswijvel @BartVerswijvel

# emerge (ɪ'mɜːdʒ)

vb

1. to come up to the surface of or rise from water or other liquid
2. to come into view, as from concealment or obscurity: *he emerged from the cave.*
3. (foll by *from*) to come out (of) or live (through a difficult experience): *he emerged from his ordeal with dignity.*
4. to become apparent: *several interesting things emerged from the report.*

[C17: from Latin *ēmergere* to rise up from, from *mergere* to dip]

**e'merging** *adj*

“CITE” ⇨ Collins English Dictionary – Complete and Unabridged, 12th Edition 2014 © HarperCollins Publishers 1991, 1994, 1998, 2000, 2003, 2006, 2007, 2009, 2011, 2014



# Emerging - Technologies?

**TOOLS, CONCEPTS, WORDS,  
EXPRESSIONS, INNOVATIONS**  
**YOU**  
*associate with*  
**EMERGING TECHNOLOGIES**



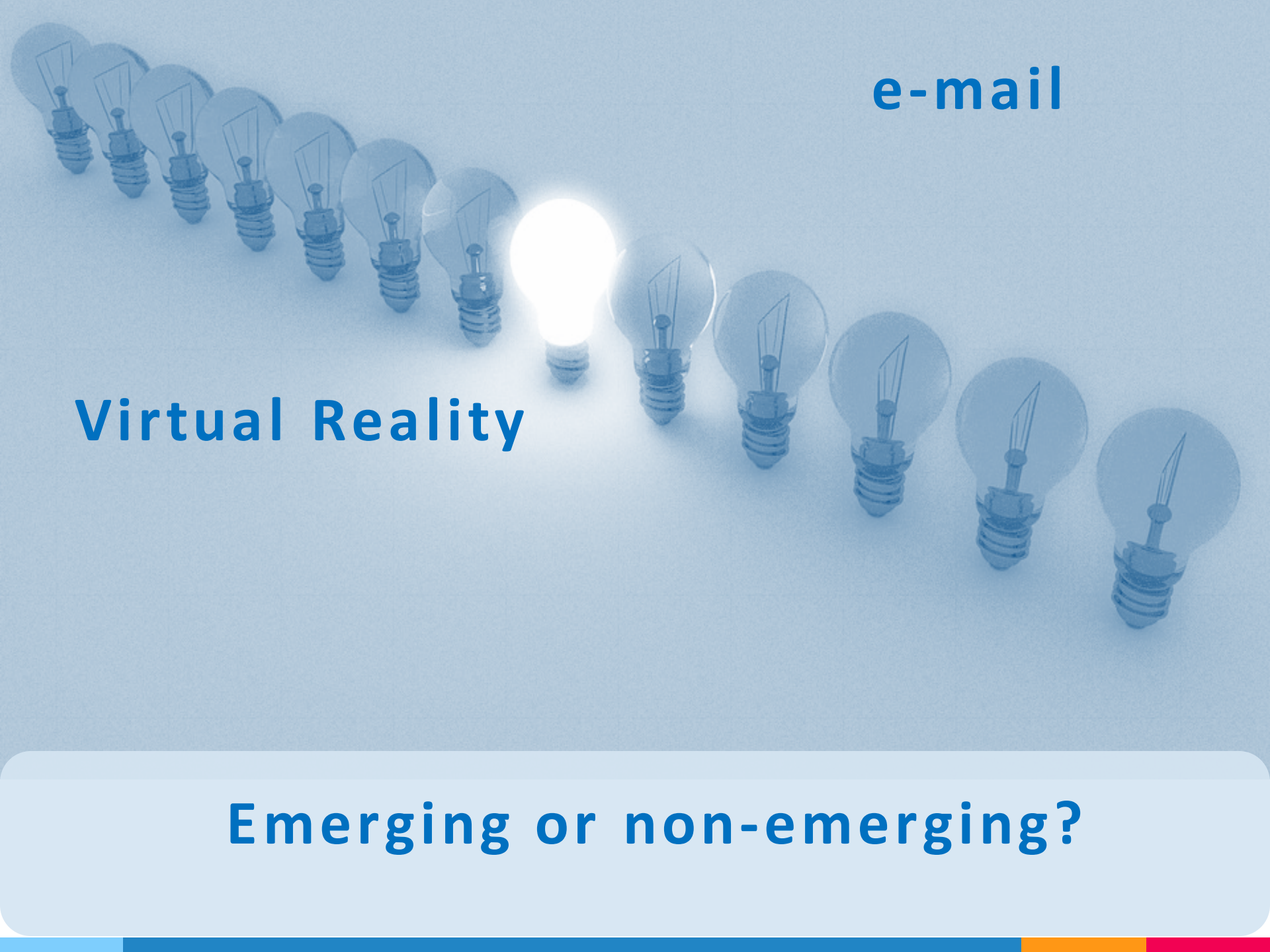


# Definition of Emerging Technologies

**e-mail**

**Virtual Reality**

**Emerging or non-emerging?**



**HOW**

**WHO**



**WHAT**

**WHEN**

**WHY**

**WHERE**



# Emerging Technologies

- **new knowledge or the innovative application of existing knowledge**
- **rapid development of new capabilities**
- **significant and long-lasting impacts**
- **new opportunities and challenges**
- **potential to disrupt or create**

*Tim Harper in  
The Long Journey from Nanotechnology to Emerging Technologies*

... emerge from human minds

If you can imagine it,  
it's probably closer to

REALITY

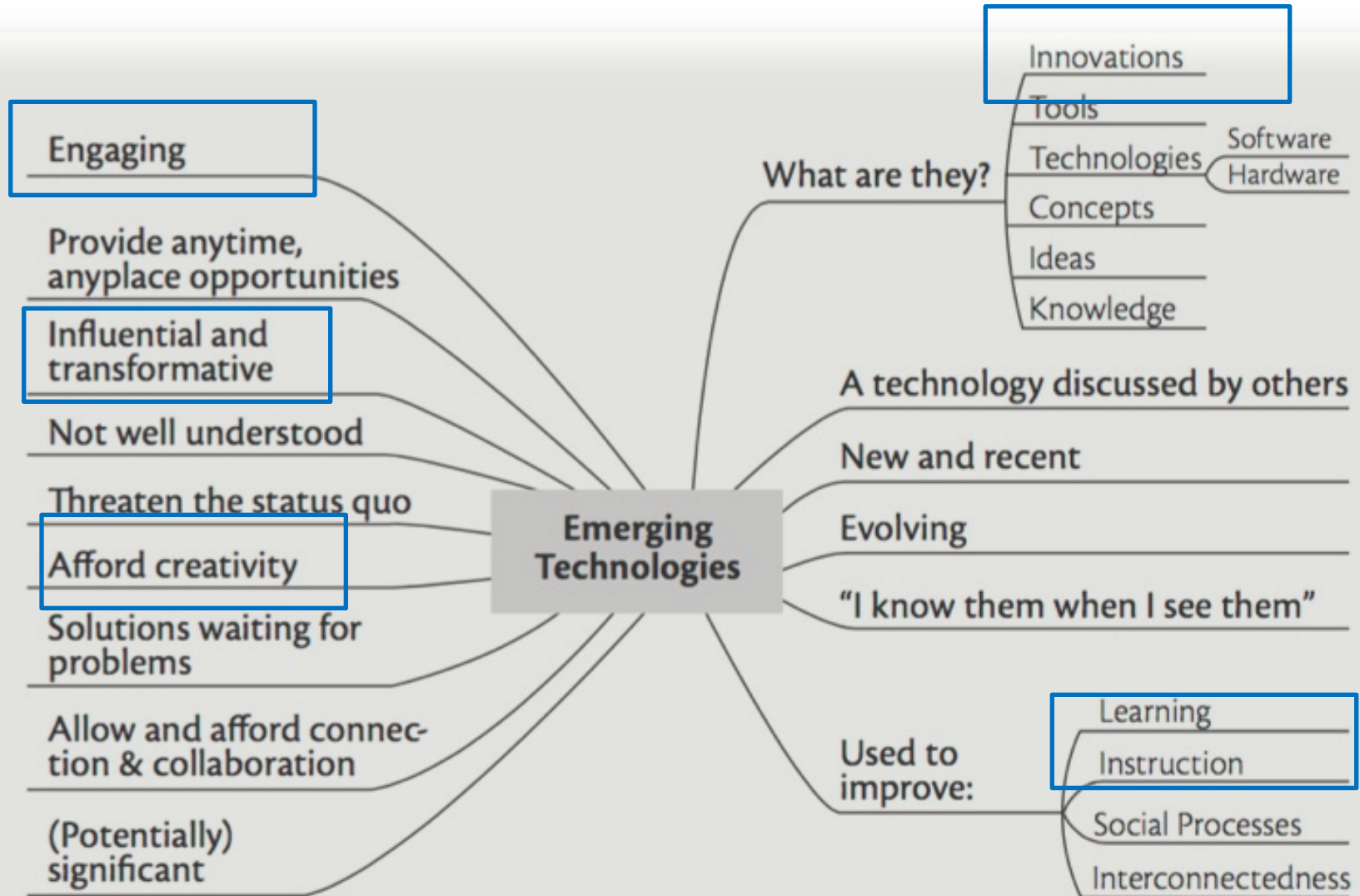
than to

FANTASY

DAVID WARBLICK



# What Teachers Think



...likely to have a large **impact** ... on teaching, learning or creative expression

*the NMC's Horizon Project*

... **tools, concepts, innovations** and **advancements** utilized in diverse educational settings to serve varied education-related purposes

*Veletsianos, G. (2010)*

# In the classroom



**New opportunities**

**New learning solutions**

**Interactive educational experiences**

**Enrich classroom teaching**

# Within Reach



3D Printing

Adaptive learning technology

Internet of things

BYOD

Robotics

Raspberry Pie

Twitter

m-learning

MOOCs

Arduino

Coding

Digital badges

Social media



Virtual reality

QR codes

Augmented reality



**Are you ready?**