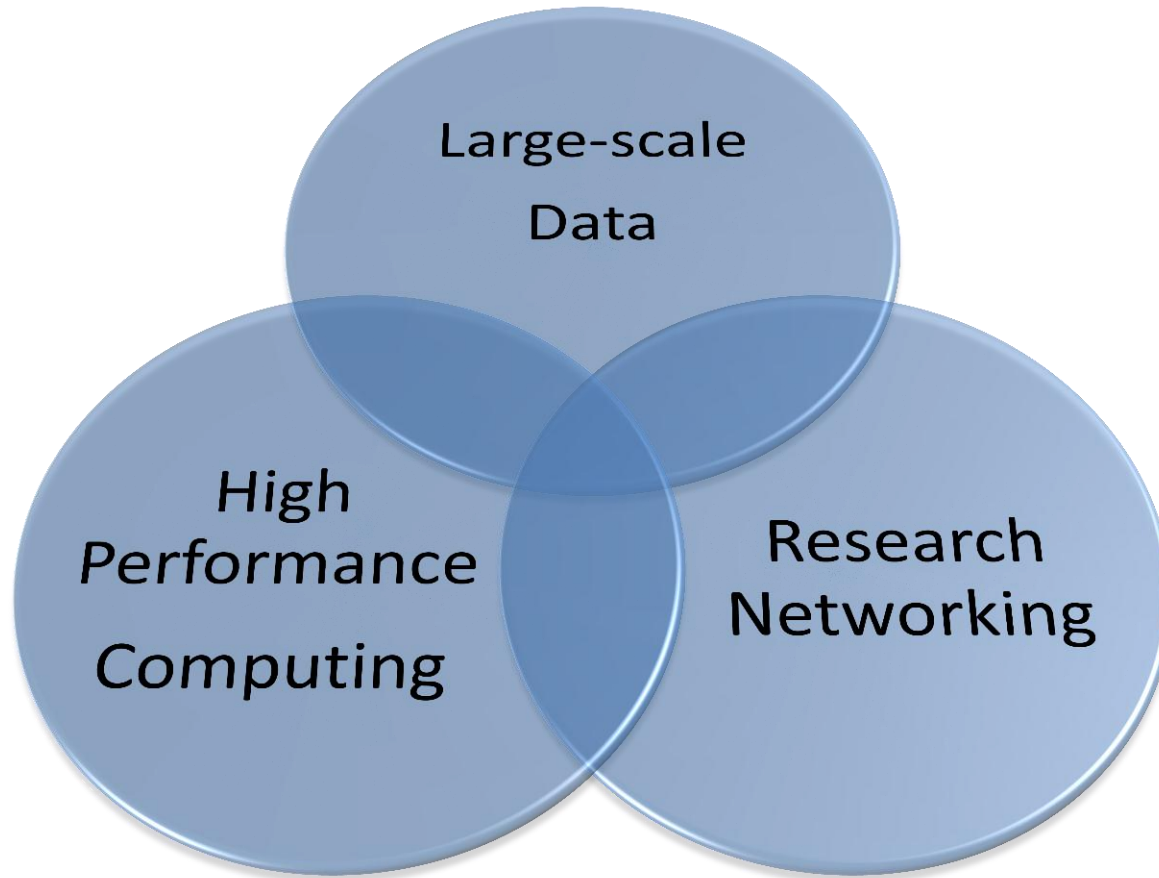


# E-Infrastructures in (Education): Opportunities and challenges in Sub- Saharan Africa

Johan Eksteen

December 2009

# e-Infrastructure View



- Scale
- Enabler for big scientific endeavours

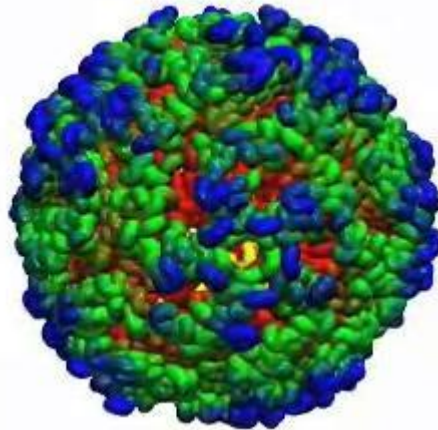


- Government must be involved

# Challenge



LINK?





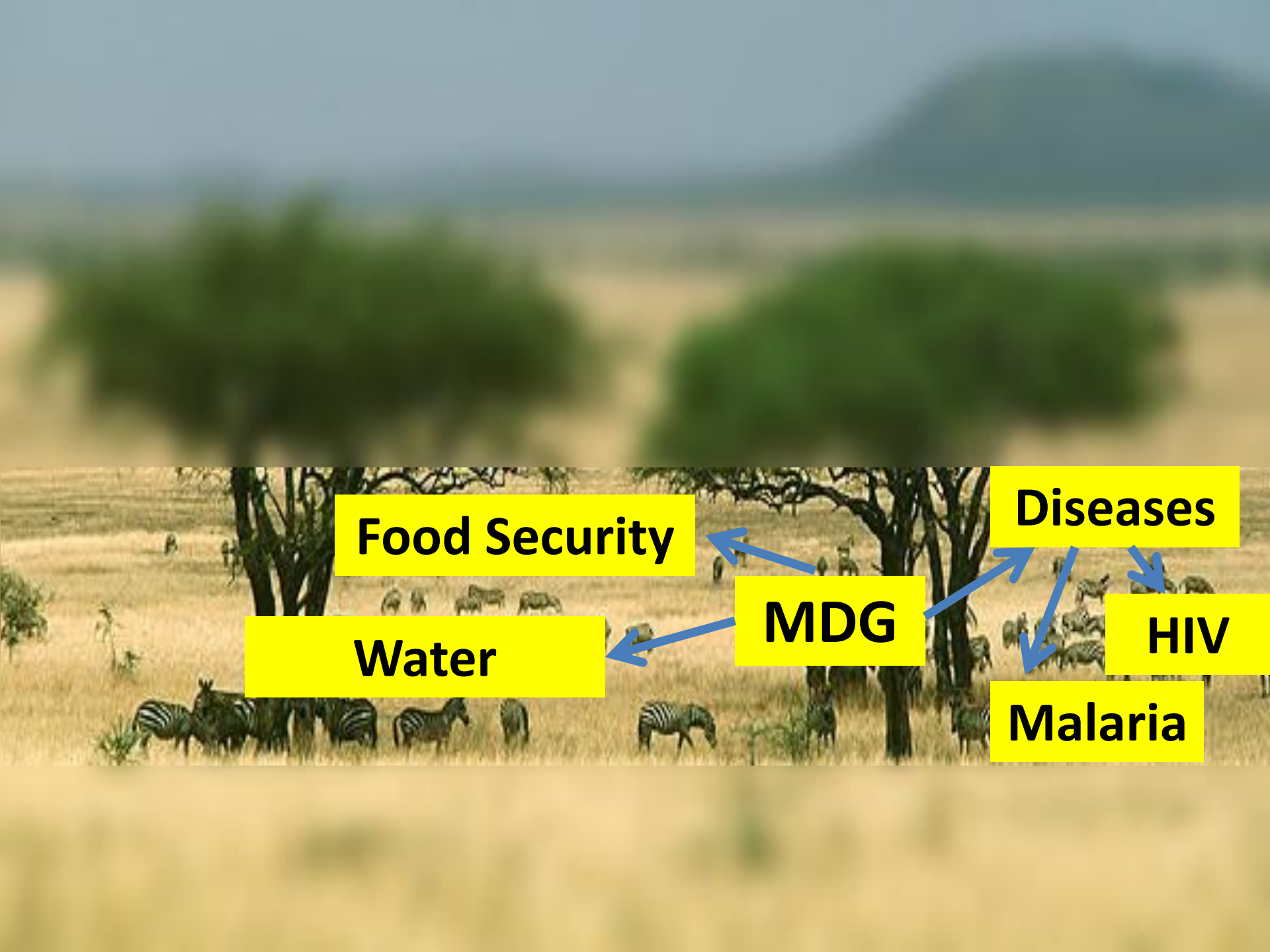






**Development?**

**\$\$\$\$\$\$**



**Food Security**

**Diseases**

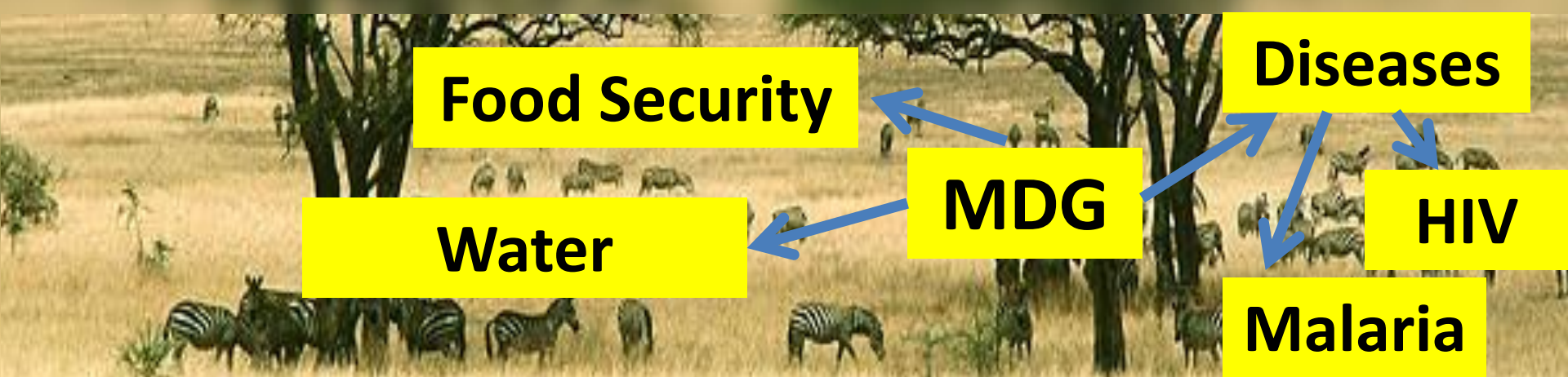
**Water**

**MDG**

**HIV**

**Malaria**





“Science not a luxury of development, but a necessity”

**Education??**

**Food Security**

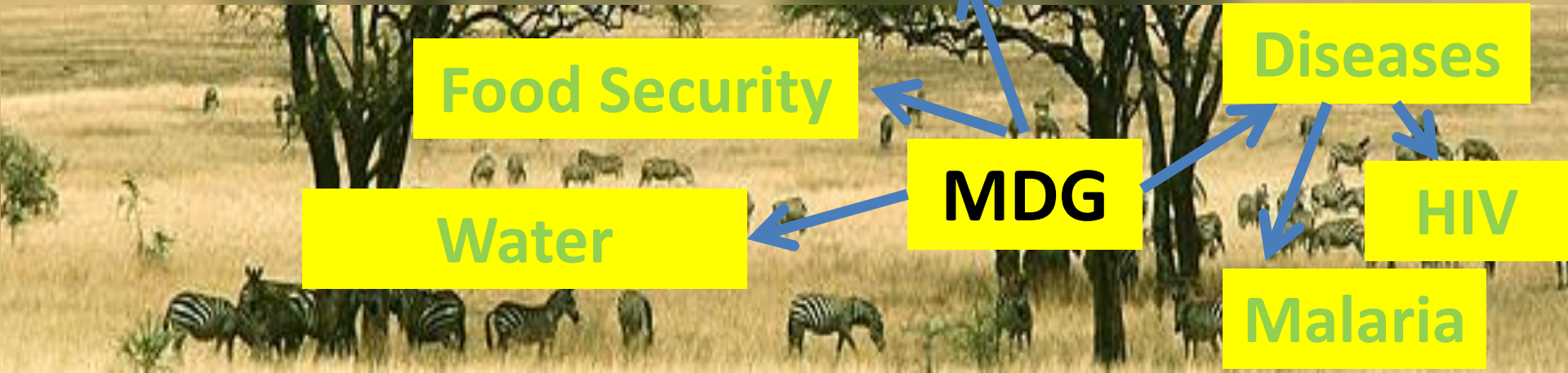
**Diseases**

**Water**

**MDG**

**HIV**

**Malaria**



**Better coffee bean**

**Better coffee society**

**Education??**

**Food Security**

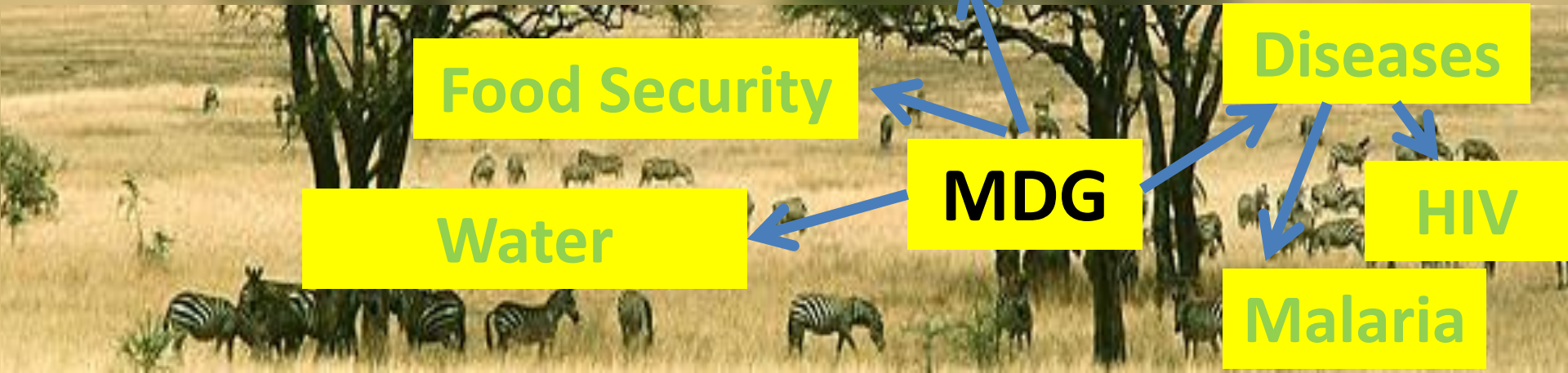
**Water**

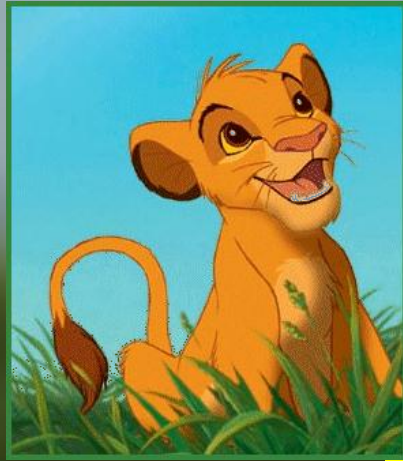
**MDG**

**Diseases**

**HIV**

**Malaria**





**Evidence-based policy**

**Access**



**Education??**

**Food Security**

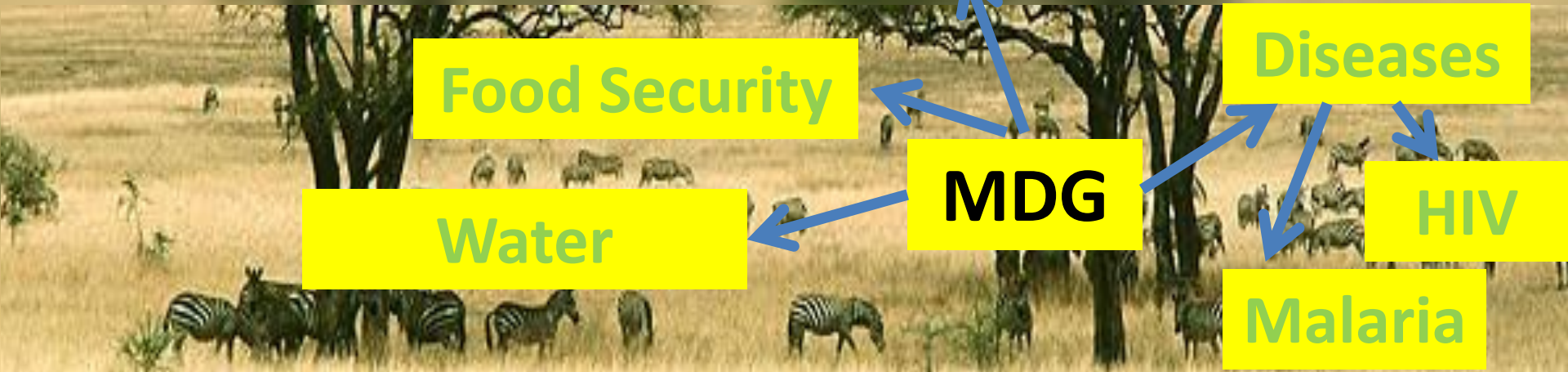
**Diseases**

**Water**

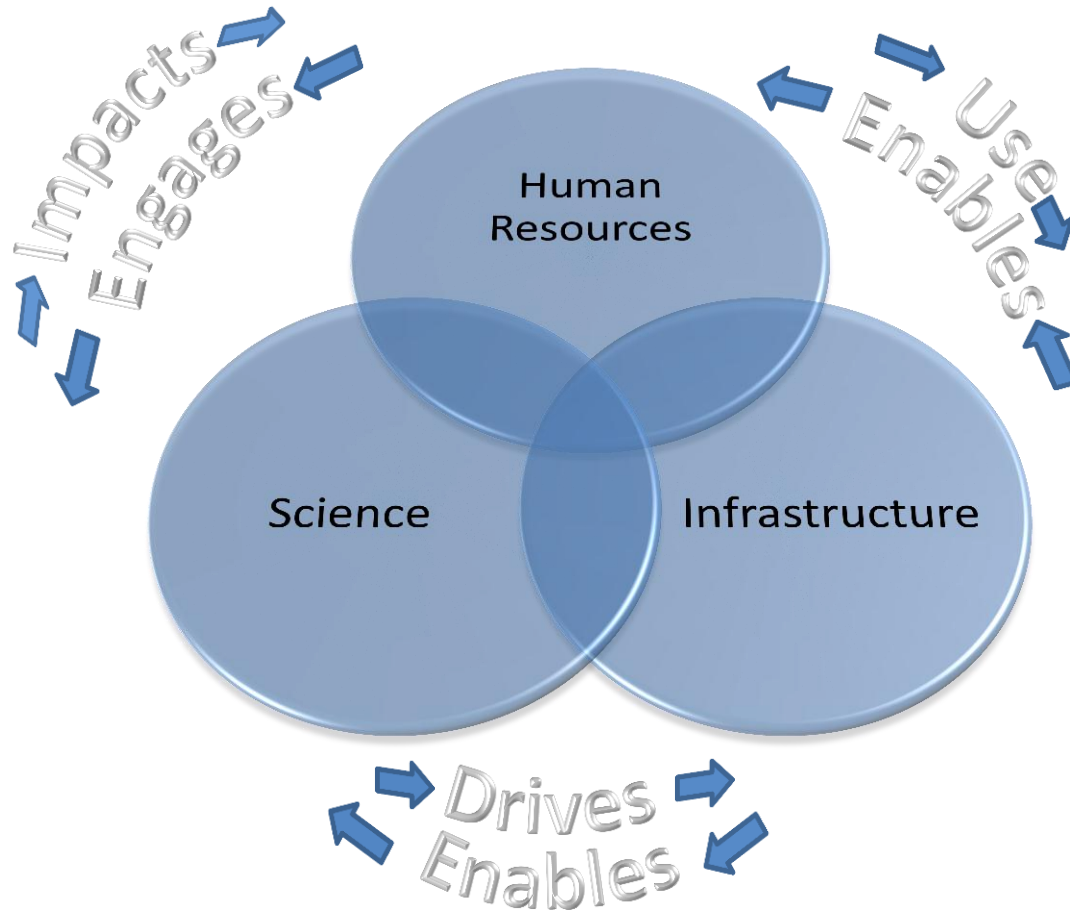
**MDG**

**HIV**

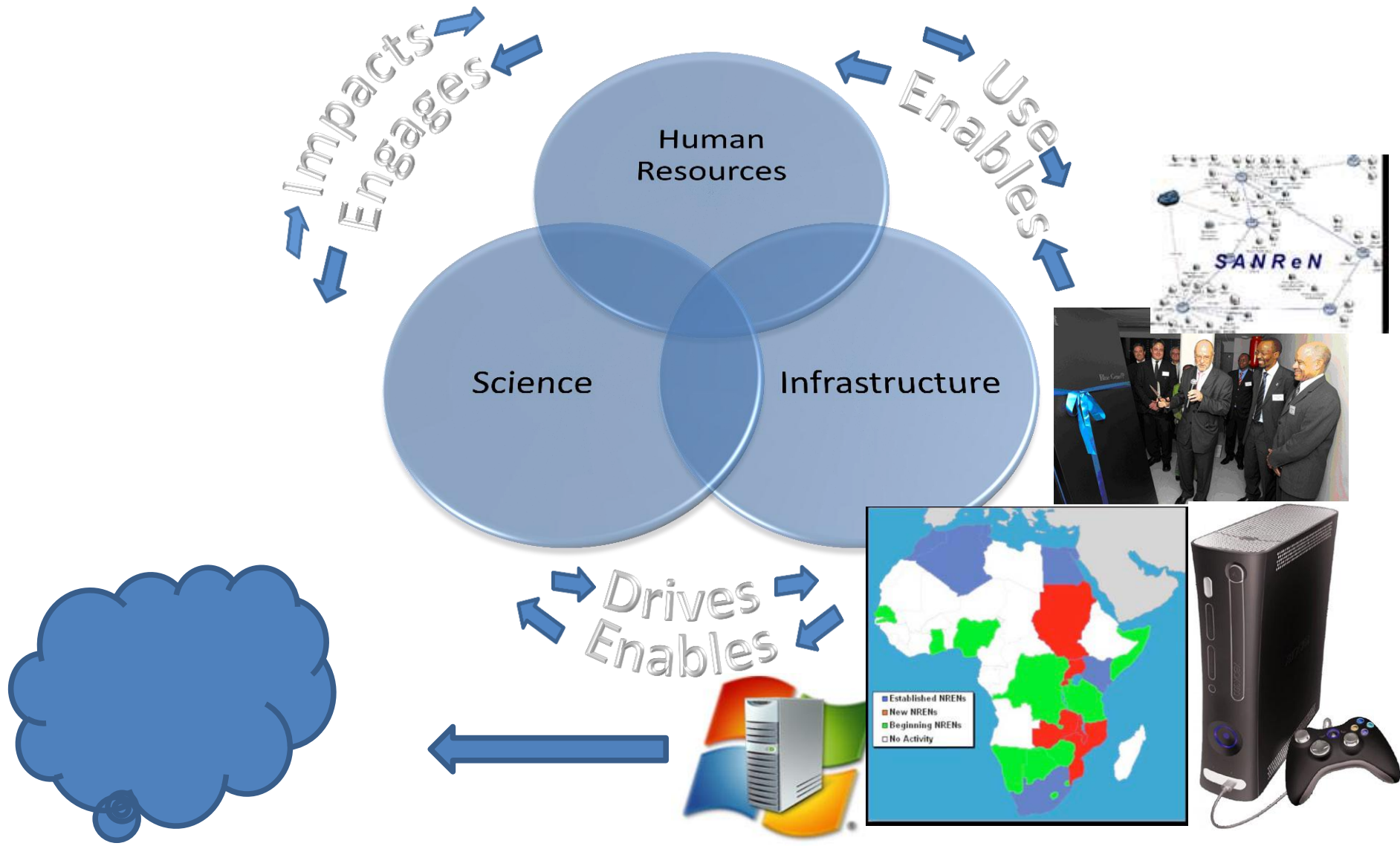
**Malaria**



# e-Infrastructures – View 2



# e-Infrastructures – View 2



# Challenges and Opportunities

- **Mindset** – think outside of the normal
- **Knowledge** walks on two legs - **Human** layer  
key – BI-DIRECTIONAL FLOW
- Look at both Direct and indirect impacts
  - Brain drain/gain
  - Science impact on socio-economic
- SMART partnerships – South-North-South

# SMART Partnerships

- Specific – but Substantial
- Measurable – build on Momentum
- Achievable – but Ambitious
- Resourced – and Relevant
- Time is critical – Three way (s-n-s)

# Conclusion

*“What can YOU do if you had infinite computational power, infinite bandwidth and infinite data capability?”*



LOOKING FORWARD TO PARTNERING WITH YOU.

**Microsoft®**

Thank you

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