

Effectiveness criteria for measuring impact assessment tools



**SEA Implementation and Practice:
Making an Impact?
Prague, Czech Republic
21 - 23 September 2011**

CONTENTS



- Conceptualisation

- Potentials

- Application

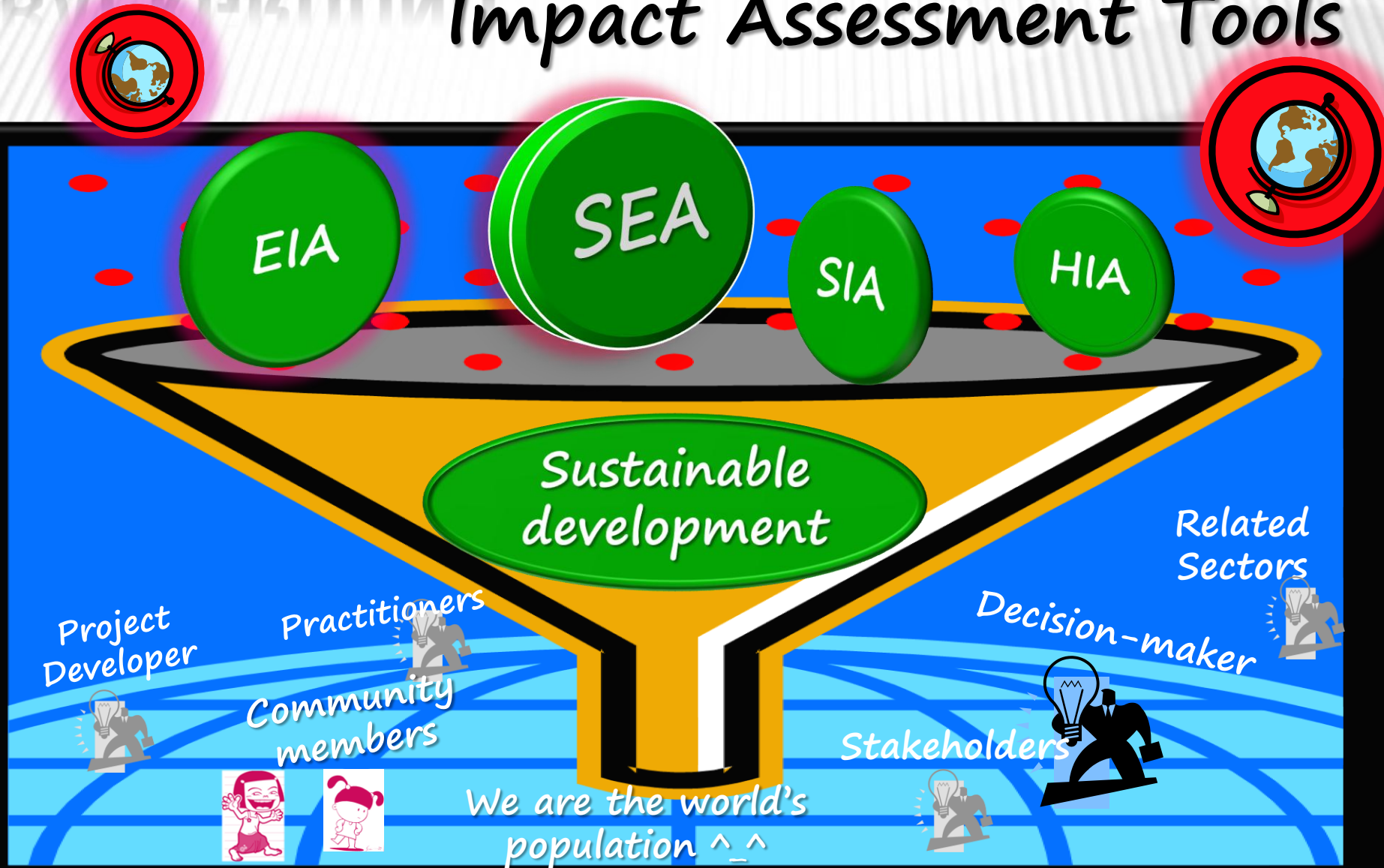
- Reflections

- Conclusions



BACKGROUND

Impact Assessment Tools



RESEARCH AIMS

*To conceptualise
effectiveness criteria
for measuring impact
assessment tools*



Effectiveness concept and its definitions

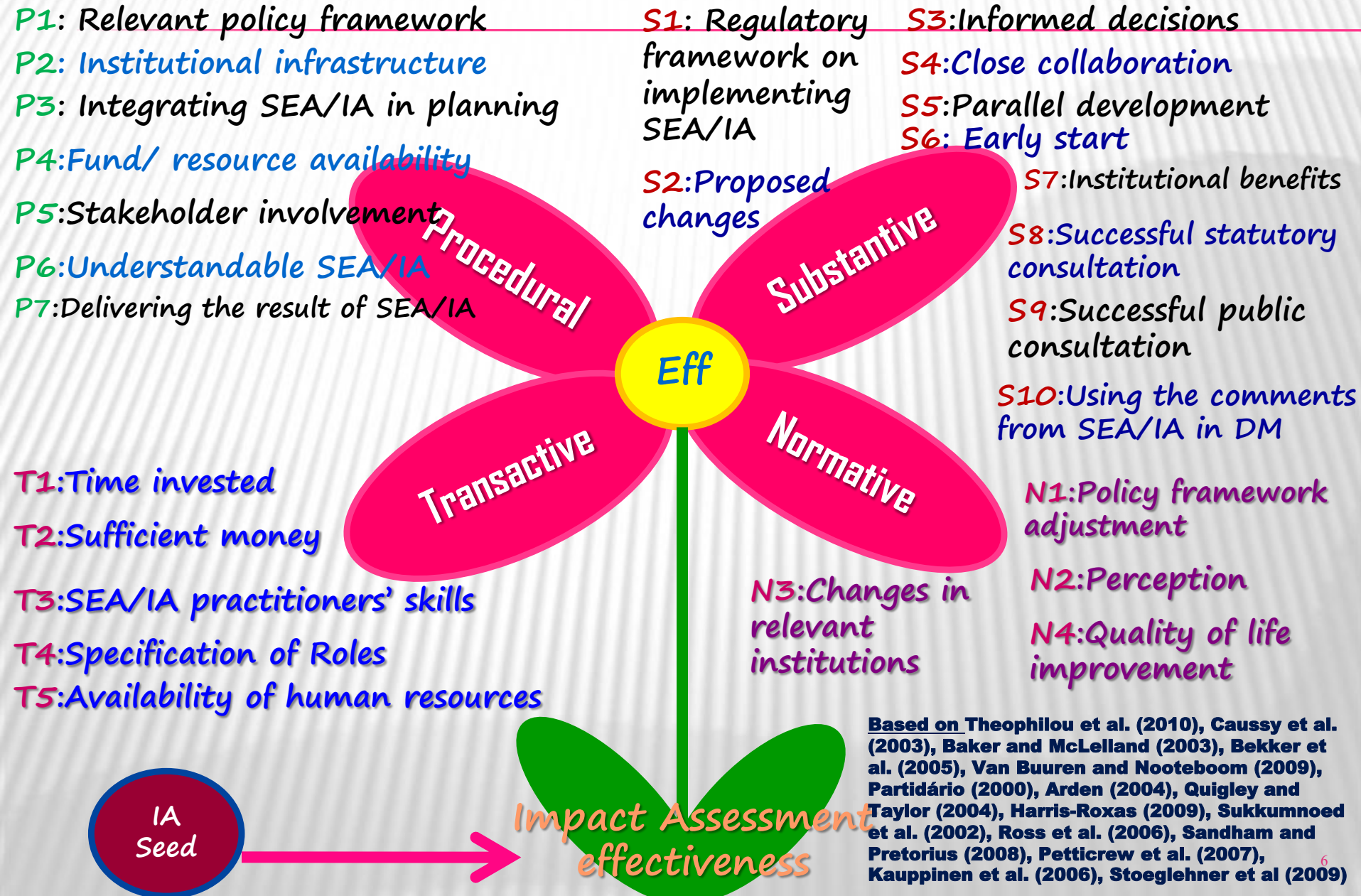
Effectiveness:

‘how well something works or whether it works as intended and meets the purposes for which it is designed’ (Sadler, 1996, p.37)

‘Influence’ on decision-making processes
(Partidário, 2000, Van Buuren and Nooteboom, 2009)

Perspectives

CONCEPTUALISATION OF EFFECTIVENESS CRITERIA



WHY THIS FRAMEWORK SHOULD BE USED?

- + *Procedural effectiveness:*

 - P4 financial resource

- + *Substantive effectiveness:*

 - S10 IA user satisfactions

- + *Transactive effectiveness:*

 - T5 Human resource availability and capacity building

- + *Normative Effectiveness*

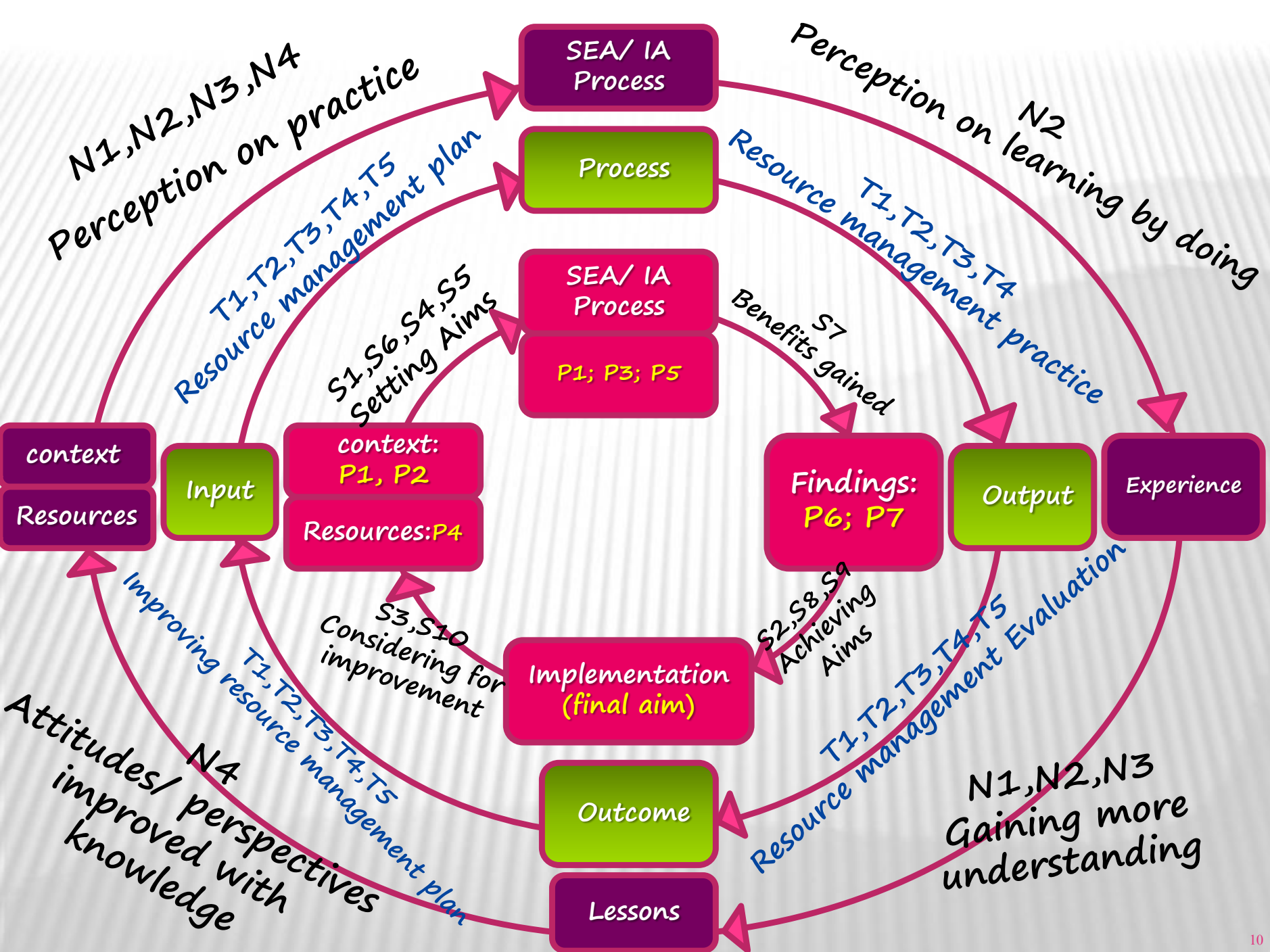
WHY THIS FRAMEWORK SHOULD BE USED?

- *More application, more complications*
(Bina, 2007)
- *Awareness, visions, beliefs, and values*
(Cashmore et al., 2004)
- *Knowledge gap*
(Nykivist and Nilsson, 2009)
- *Culture and contexts*
(Stoeglehner et al., 2009, Jha-Thakur et al., 2009, Theophilou et al. (2010).

WHY THIS FRAMEWORK SHOULD BE USED?

- Influence of the 'context of understanding and implementing IA legislation and guideline'
(suggested by Stoeglehner et al., 2009)
- Requirement of more understanding
- Influence of normative components

Normative Effectiveness



APPLICATION OF THE FRAMEWORK TO OTHER IMPACT ASSESSMENT TOOLS



Equal validity to measure effectiveness of other IA tools

Provides additional perspectives to consider in procedural, substantive and transactive categories

Provides normative category

Is broader when applying in different contexts

APPLICATION OF FRAMEWORK TO A CASE STUDY



Potash mine HIA case in Thailand



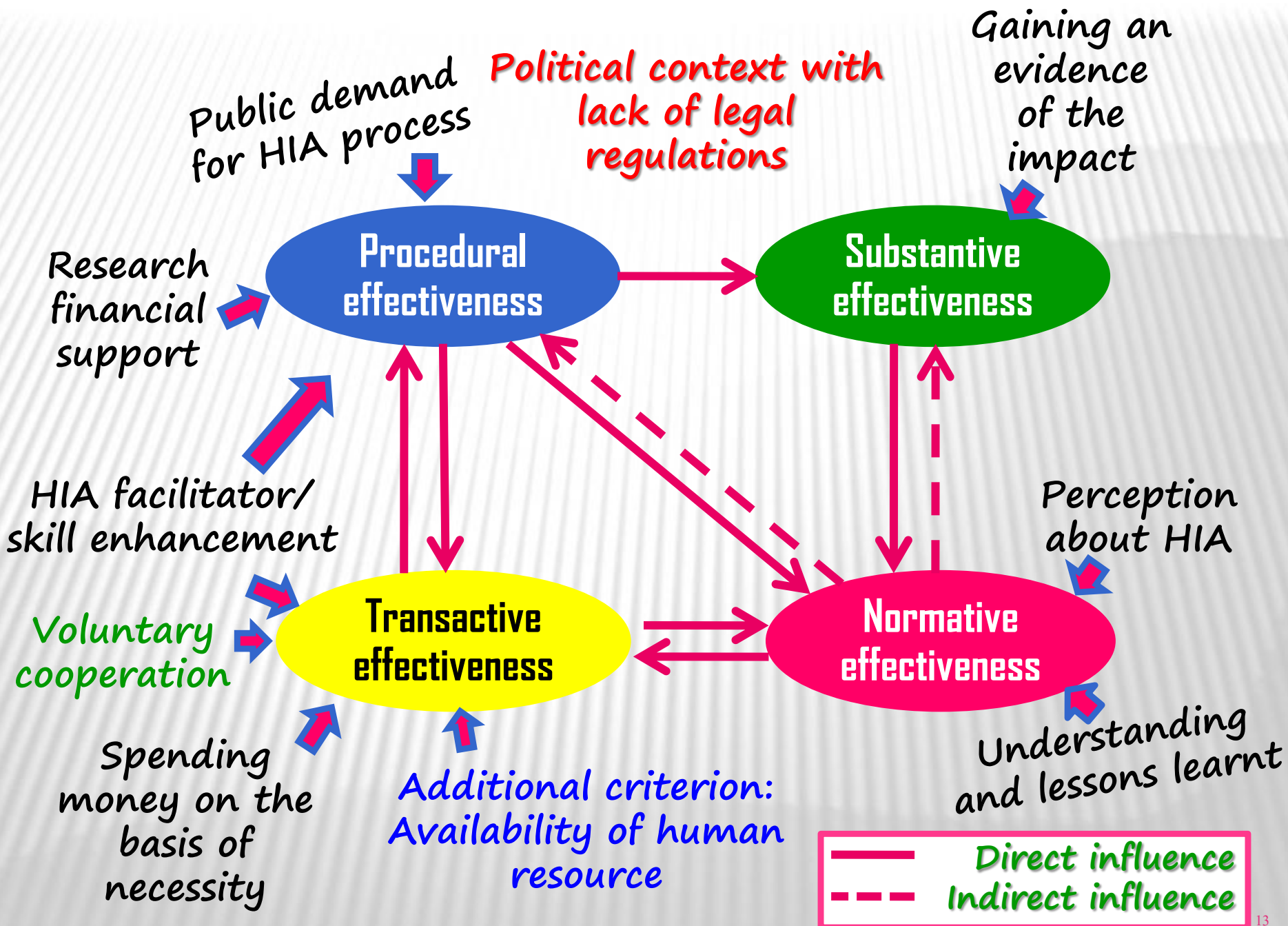
REFLECTIONS ON THE EFFECTIVENESS CRITERIA



Lack of regulations on HIA
(Procedural criteria category)



Interlinks between the effectiveness
categories



REFLECTIONS ON THE EFFECTIVENESS CRITERIA



Lack of regulations on HIA (Procedural criteria category)

Interlinks between the effectiveness categories

Levels of the process involvement and knowledge in considering the effectiveness

Additional criterion:
T5 Availability of human resource



CONCLUSIONS

- * Provides insights of nature and significance of interlinkages and dependencies between the framework criteria

- * Normative effectiveness is an essential perspective to consider

- * Public participation

- * Human resource and capacity building

- * More research on applying this framework in IA fields is required as well as longitudinal study for normative change consideration



ACKNOWLEDGEMENT

- Research participants in Thailand
- Royal Thai Government
- Suranaree University of Technology, Thailand



THANK YOU

THANK YOU