

Workshop presentation



Global research and education requirements

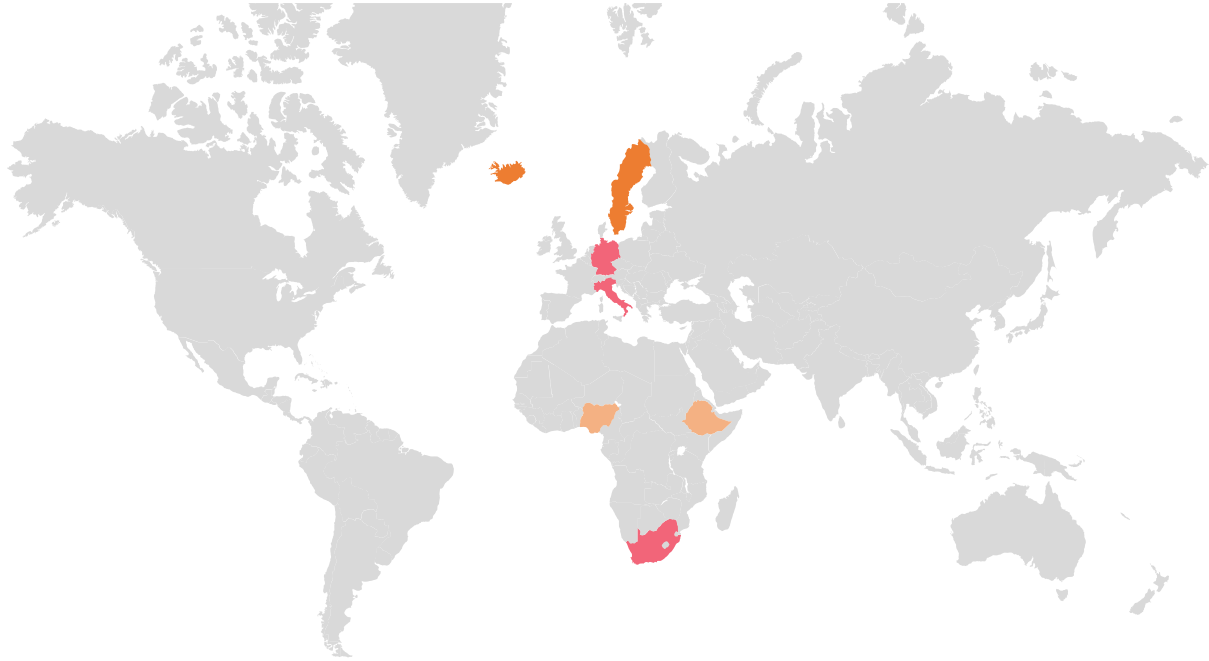
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Workshop group



GLOBAL RESEARCH & EDUCATION REQUIREMENTS GROUP

Focal points



Problems and challenges

CEMENT	ADMIXTURES	AGGREGATES
Construction professionals knowledge gaps between geologist, chemist, materials scientist and engineer		
Production results in CO ₂ emissions	Importation of superplasticizers	Standardization/ industrialization
Funding availability for developing countries from Govts, Industry/Private sector		
Industry linkages – poor link between industry and research		
	Facilities and/or standards for testing of admixtures	

- Language barriers

Requirements

- Global interdisciplinary research
- Functionally educated researchers
- Mobility and exchanges between institutes
- Adding the sustainability component to generic courses i.e. CHEM
- Creating awareness through teaching/research methods
- Legislation changes (incentives or tax)

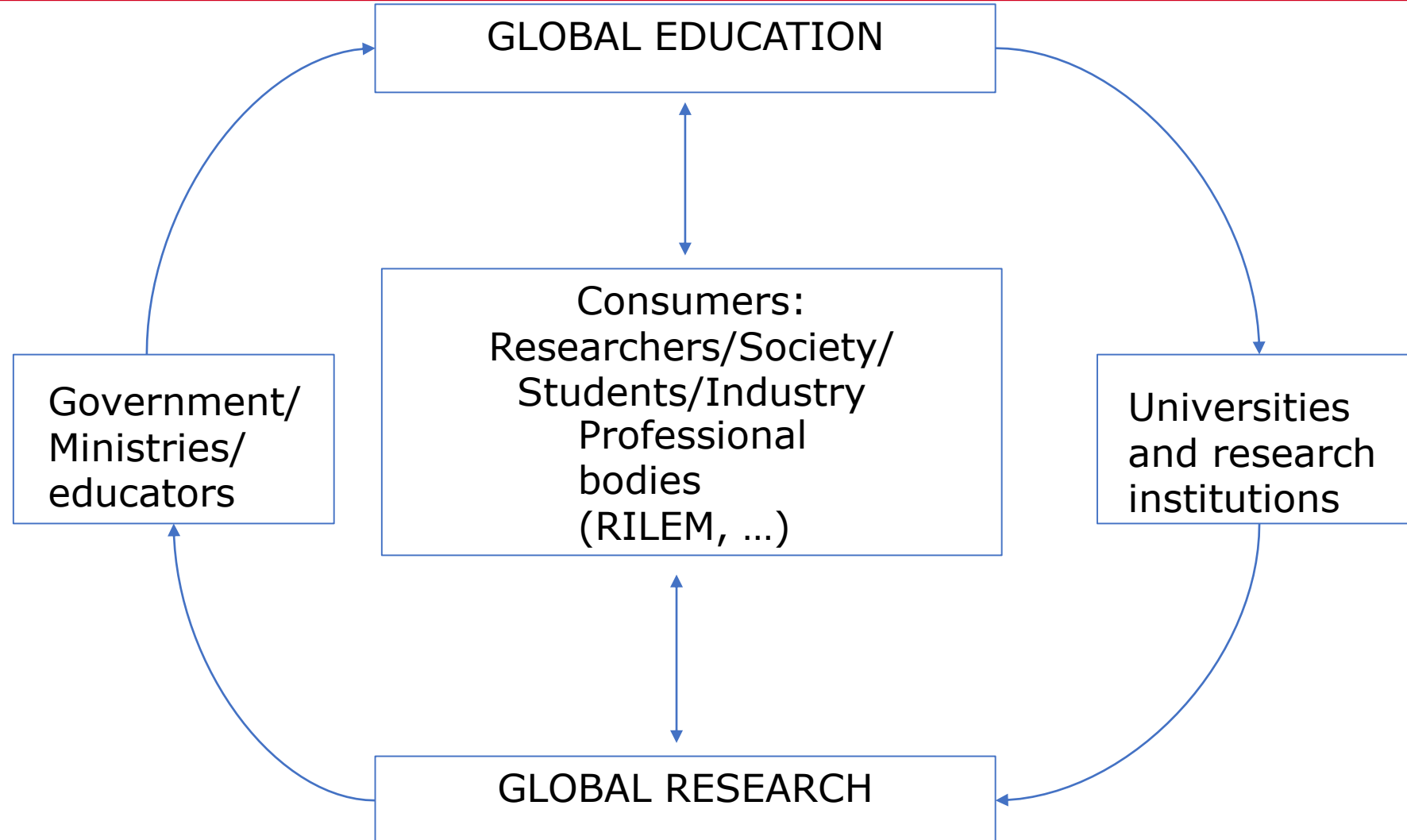


Solution strategies



- Researcher mobility caters for global research
 - Advocate for complimentary studies such as social sciences/geology/languages
 - Improved interactions/partnership between industry and research
 - Interdisciplinary & intercontinental research
 - Push for improved funding for research
 - Infrastructure
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Major players



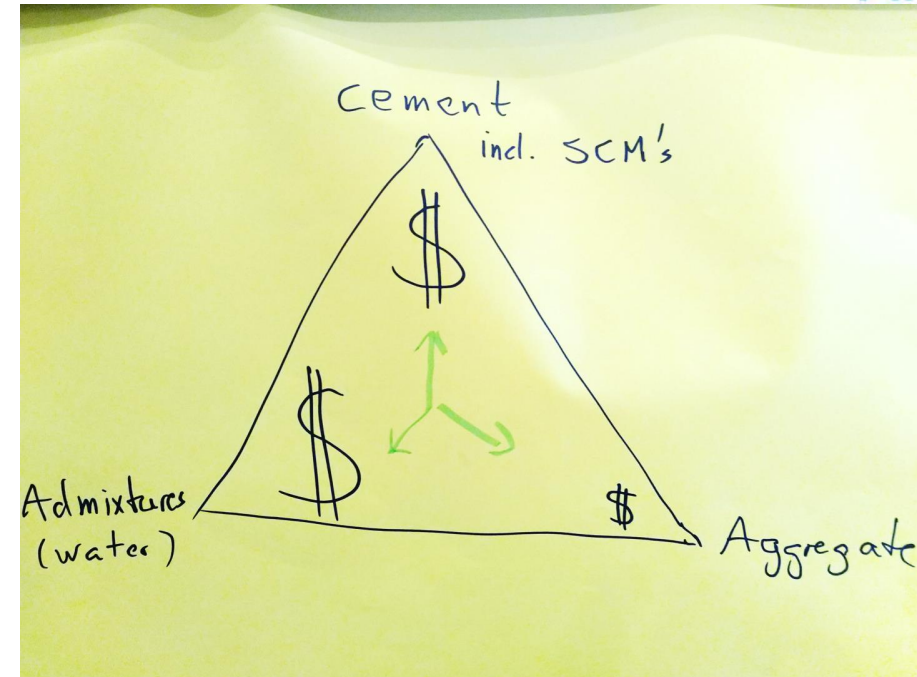
Summary and conclusion

Summary

- Admixtures: localisation
- Aggregates: industrialisation
- Cement: reduce

Conclusion

- Continued conversations and research networking through fora such as ISEE Africa
- The implementation of the solutions require actions from the whole spectrum of the players



Next steps of this group



- How will you go on after this discussion?
 - Will there be contributions to the conference proceedings?
 - Which sub-groups will author papers?
 - Will there be a long term follow-up project resulting from the group discussion?
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