

Building and strengthening capacities in ICT Research

Using the Global Research Alliance?



Marc van den Homberg



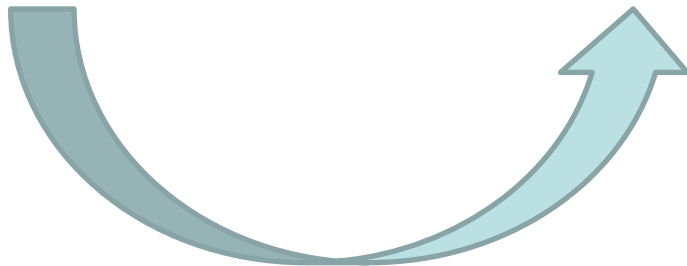
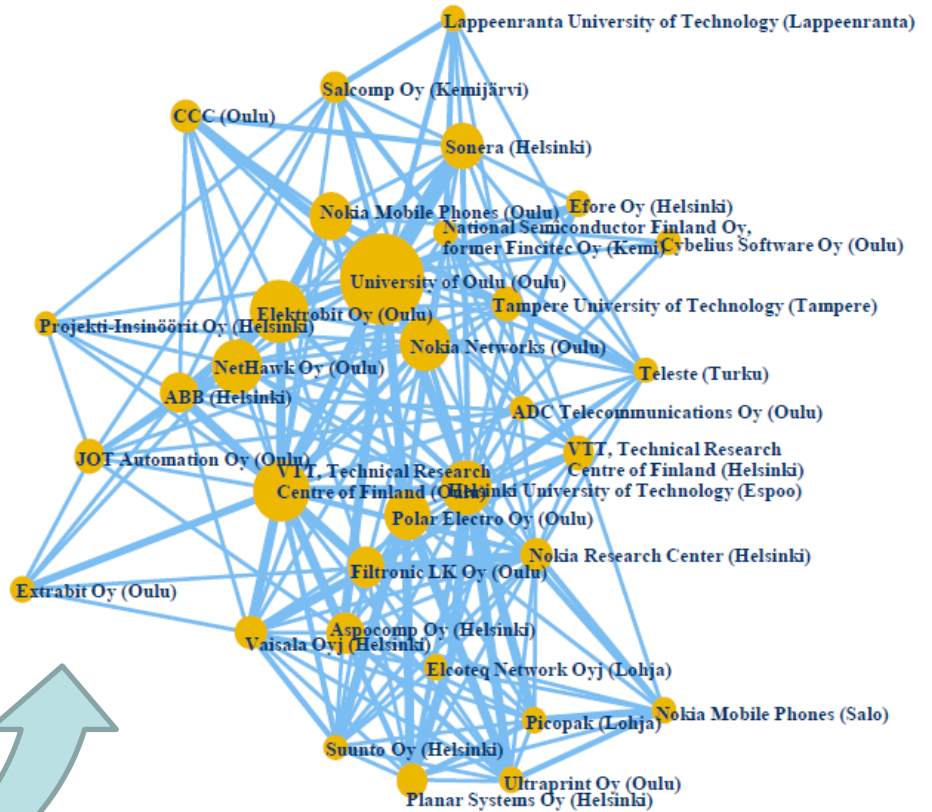
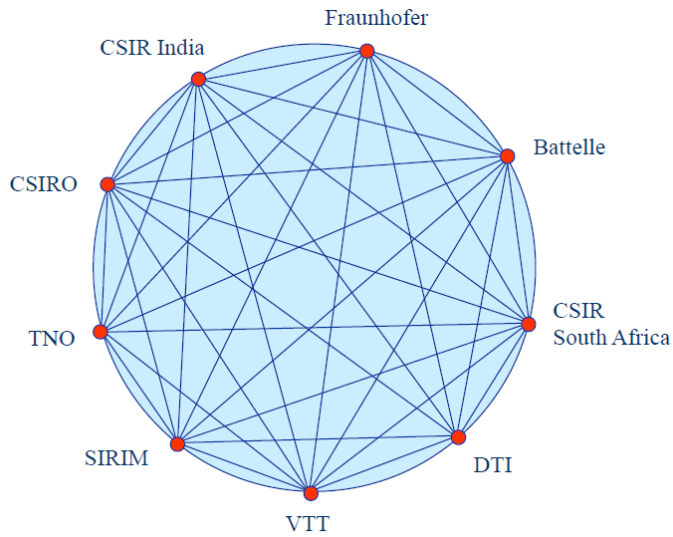
Global Research Alliance: who we are

- Nine Research and Technology organisations, 60.000 employees, from five continents
 - CSIRO, Australia (COO, Bart Follink)
 - CSIR, India (president Raghunath Mashelkar)
 - CSIR, South Africa
 - FhG, Germany
 - TNO, Netherlands
 - VTT, Finland
 - SIRIM, Malaysia
 - DTI, Denmark
 - Battelle, USA

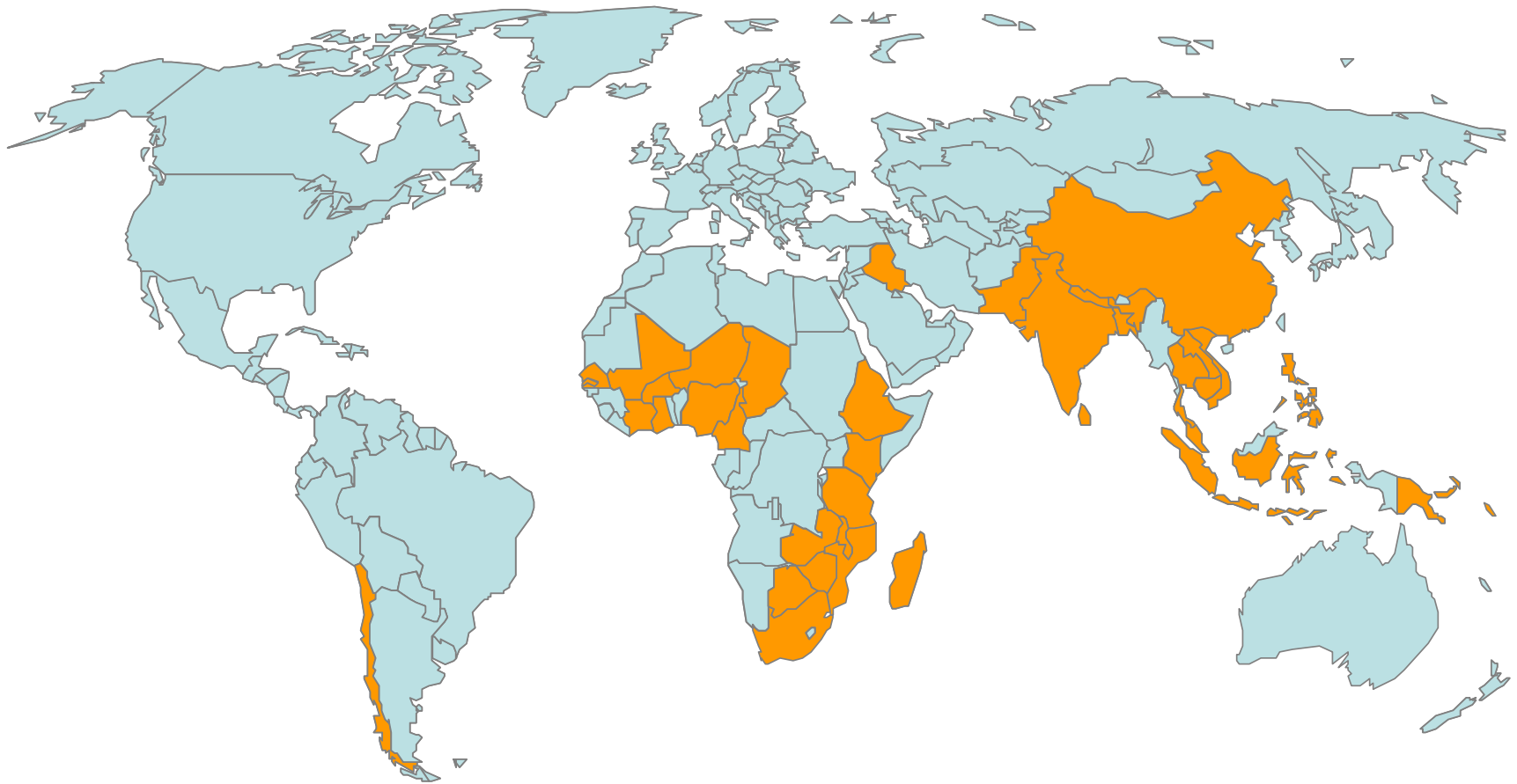
Global Research Alliance: who we are



GRA: Power of network of networks



Global Research Alliance – reach of our work



Global Research Alliance – what is our aim

“A global knowledge pool for global good”

- Addressing some of the world’s gravest challenges in relation to the Millennium Development Goals
- Areas of focus:
 - ICT
 - Health
 - Agriculture
 - Energy
 - Water
- Delivering inclusive innovation

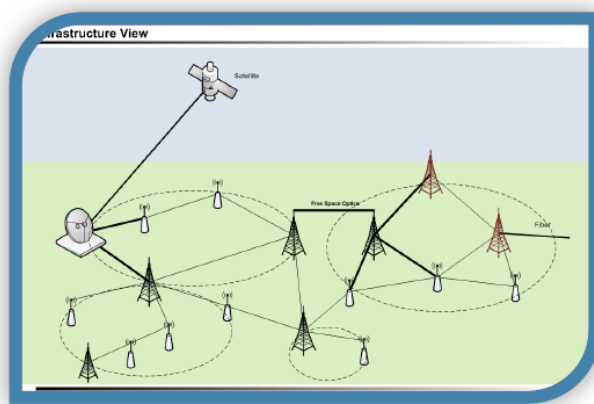


GRA: goals in the alliance

- Flagship projects
- Putting on the agenda inclusive innovation
- Relationship building
- Strategy for Intellectual Property bundling to address better the Millennium Development goals
- Implementation of staff exchanges and skills transfer
- Mobilization of researchers

GRA: ICT projects and project ideas

- CSIRO: *Ngara* rural wireless broadband*
- Fraunhofer, VTT, CSIR, CSIRO, Macha works: *Green and low cost wireless communications networks for Africa*



- Joint World Bank and Global Research Alliance Regional Partnership Workshop in Vietnam: *Inclusive innovation to address National Development Challenges*

Summary

- Scale and impact takes time
 - e.g. due to differences in financing structures amongst the institutes
- Sustainable innovation requires a systems approach
 - Products, technologies aligned with value chain and market needs
 - People and communities involvement
 - Capability and capacity
- Managed intellectual property
- Partnerships are vital – One cannot innovate alone

Thank you for your attention!

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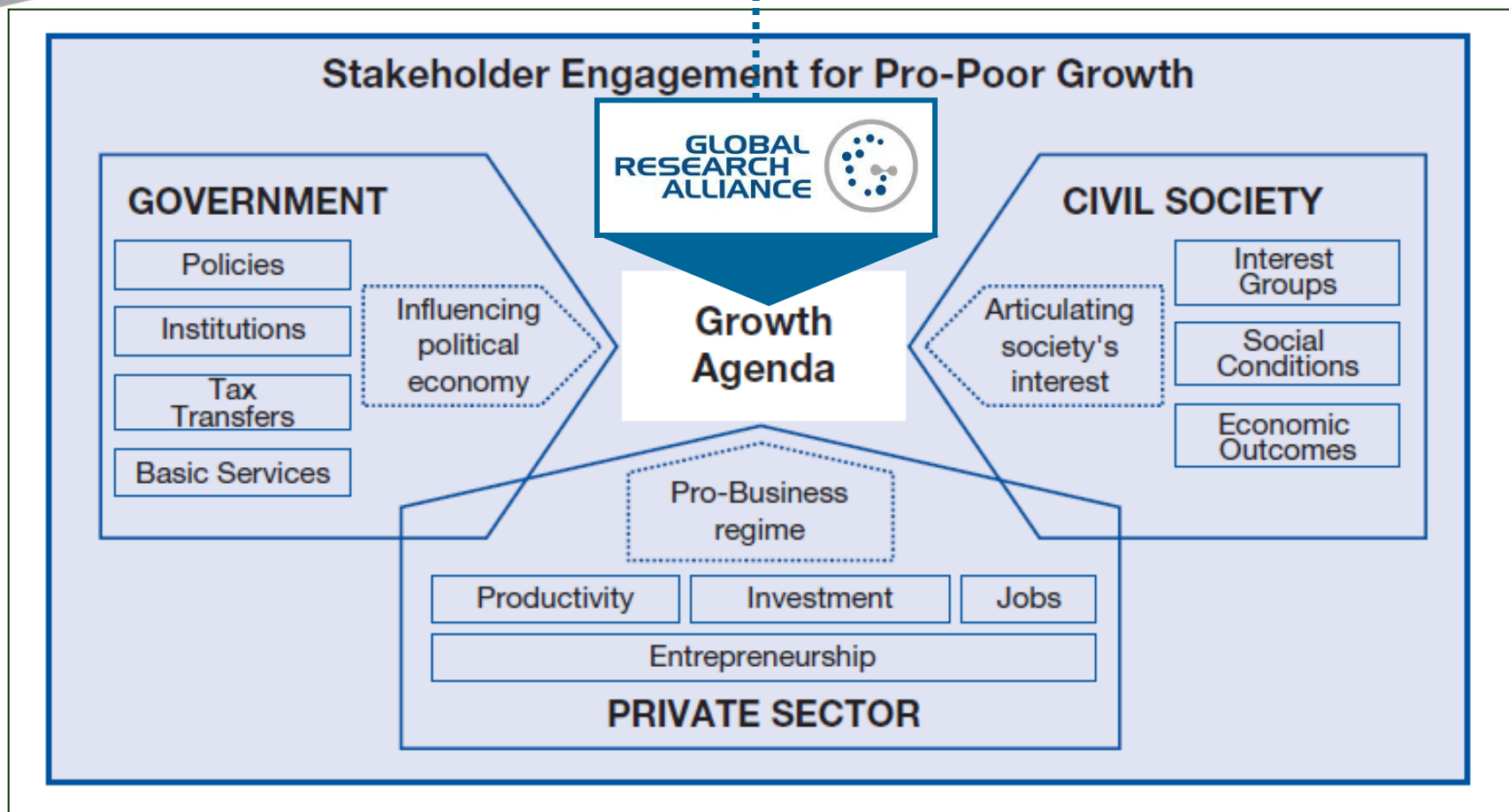
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Possible future directions

- ICT business models for the BoP
 - Market insight via crowdsourcing
- Crisis Mapping and Early Warning
 - Crisis Mapping and Early Warning examines the use of information communications technologies in conflict and disaster settings. Research focuses on identifying patterns in humanitarian emergencies to improve response. Examines the impact of crisis mapping, geospatial and crowd sourcing technologies to prepare, mitigate, and respond to emergencies.
 - Famine early warning system
- Monitoring and evaluation
 - Carbon monitoring reporting and verification services
 - Forest watch: anti-corruption and legal advice
 - Combination with earth observatory data?
- E-learning module for midwives

O CIA - One Cannot Innovate Alone

KNOWLEDGE INSTITUTES



Inclusive Innovation - heard about it?

