

STRATEGIC WORKSHOP

Benefits of Research Infrastructures beyond Science

The Example of the Square Kilometre Array (SKA)

Parallel Break-Out Group:

Global Science – Industry - Government
Linkages



Global Linkages

- Motivators
- What will success look like?
- Challenges
- Actions



Motivators

- Global fellowship
- *Profit* in a broader sense
- Opening the blinds to the universe
- Self motivator for other global projects
- *Ego* - national and academic
- Leadership and strategic direction from stakeholders
- Environmental analysis, communication and transport



What will success look like?

- Global source of pride
- Create a model for future collaborations
- Deployment for green energy and green computing
- Novel technologies for wider use
- Attracting young people into science
- Creating global scientific community
- International version of ERIC– Global Research Infrastructures Consortia
- Banking facility that deals with funding fluctuations
- Producing great science needs early integration with industry
- Ensuring a win - win situation for all



Challenges

- Cultural differences, whilst maintaining diversity
- Legal governance issues, taxes, labor laws, IP
- Resource needed for global promotion
- Procurement needs to focus on long term gains
- Insufficient funding, funding fluctuations – buffer budget & global bank funding
- To build trust and commitment – need to establish processes and a shared vision



Actions needed

- Establishment of formal global organization
- Demonstrate ongoing success
- Define a credible project to get buy in- concrete concepts, design & costs
- Create a shared vision
- Demonstrate the multiplier effect on the spending chain
- Platform for renewed global relationship post crisis
- Develop and grow industry clusters that really work
- Creating a brand and a charisma
- Share new understanding of risk, perceptions of risk (technical, political and financial)

