

Astronomy and the Square Kilometre Array

Leveraging geographical advantage with enhanced capabilities



Skills needs in the astronomy sector and the SKA

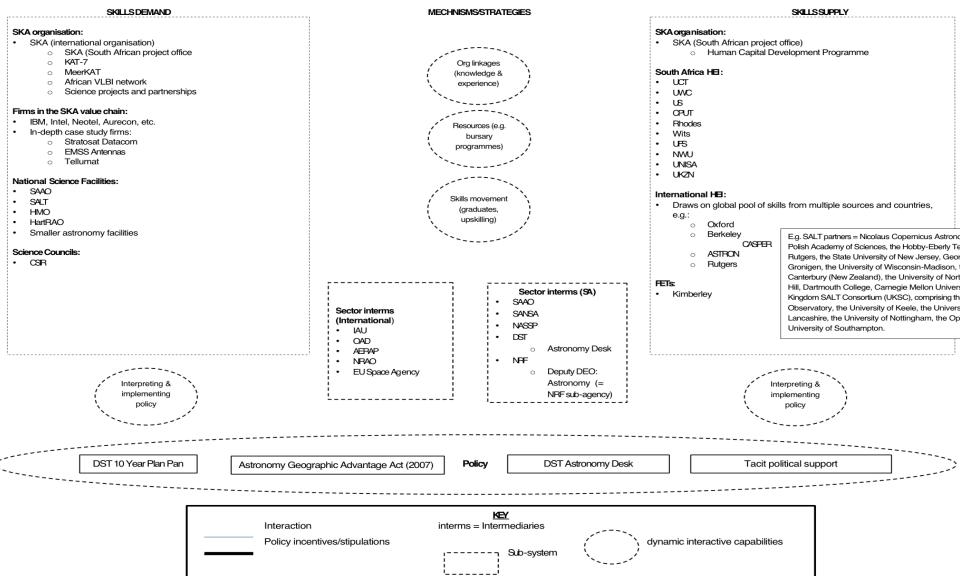


Michael Gastrow
LMIP Policy Roundtable, 21 August 2014



Network alignment

CAPABILITY BUILDING PROCESSES IN THE ASTRONOMY SECTORAL SYSTEM OF INNOVATION





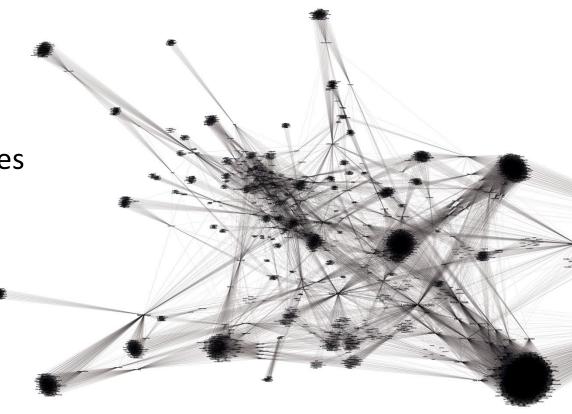
Skills supply

Skills supply through *network mechanisms*, not *market mechanisms*

Interactive capabilities:

- Niche competences
- Institutions
- Departments and faculties
- Academics

FET



Challenges:

- Sourcing international skills
- FET limitations
- Slow rate of undergrad curriculum change

Successes achieved through:

- Funding
- Risks
- Policy
- Interactive capabilities in the SKA
- Skills planning
- Interactive capabilities in the higher education system

Question: can this success be replicated in other knowledge-intensive sectors?



